

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

COLUMBUS

July 1, 1986 to June 30, 1987

1986-1987

T H E O H I O S T A T E U N I V E R S I T Y

Edward H. Jennings, President

BOARD OF TRUSTEES

	Term Beginning	Term Expiring
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 D. Bowser, Williamsport	May 14, 1982	May 13, 1991
Hamilton J. Teaford, Columbus	May 14, 1983	May 13, 1992
John J. Barone, Toledo	May 14, 1984	May 13, 1993
Deborah E. Casto, Columbus	May 14, 1985	May 13, 1994
John W. Kessler, Columbus	May 14, 1986	May 13, 1995
Milton A. Wolf, Cleveland	May 14, 1987	May 13, 1996

OFFICERS

Daniel M. Galbreath, Chairman
Edmund C. Redman, Vice Chairman
Madison H. Scott, Secretary
James L. Nichols, Treasurer

THE OHIO STATE UNIVERSITY
OFFICIAL PROCEEDINGS OF THE
ONE THOUSAND TWO HUNDRED AND TWENTY-SECOND MEETING
OF THE BOARD OF TRUSTEES

Columbus, Ohio, July 10 and 11, 1986

The Board of Trustees met at its regular monthly meeting on Thursday, July 10, and Friday, July 11, 1986, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, pursuant to adjournment.

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Minutes of the last meeting were approved.
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July 10 and 11, 1986 meeting, Board of Trustees

Trustee Leonard J. Immke, called the meeting of the Board of Trustees to order on July 10, 1986, at 6:40 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: Leonard J. Immke, Shirley D. Bowser, Hamilton J. Teaford, John J. Barone, and Deborah E. Casto.

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Mr. Galbreath reconvened the meeting on July 11, 1986, at 10:30 a.m.

Present: Daniel M. Galbreath, Chairman, Edmund C. Redman, Leonard J. Immke, Shirley D. Bowser, Hamilton J. Teaford, John J. Barone, and Deborah E. Casto.

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RENAMING OF DEPARTMENT

Resolution No. 87-1

Synopsis: A proposal to change the name of the Department of Medicine to the Department of Internal Medicine is recommended.

WHEREAS the Executive Committee of the College of Medicine unanimously voted to approve renaming the Department of Medicine as the Department of Internal Medicine; and

WHEREAS considerable confusion exists with having both the College, and its largest Department designated by the same name; and

WHEREAS the designation, Internal Medicine, is widely used and accepted nationally in this discipline; and

WHEREAS the University Senate approved the renaming of the Department of Medicine on June 7, 1986:

NOW THEREFORE

BE IT RESOLVED, That the Department of Medicine be renamed the Department of Internal Medicine effective immediately.

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

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JOINT DEGREE PROGRAM - MASTER OF LIBRARY SCIENCE

Resolution No. 87-2

Synopsis: Recommendation for a Master of Library Science Joint Degree Program for The Ohio State University and Kent State University is proposed.

WHEREAS the proposed Master of Library Science Joint Degree Program for The Ohio State University and Kent State University has been strongly endorsed by the College of Education; and

July 10 and 11, 1986 meeting, Board of Trustees

JOINT DEGREE PROGRAM - MASTER OF LIBRARY SCIENCE (contd)

WHEREAS resources for outstanding instructional, research, and service programs in library science are available through innovative and technologically sophisticated libraries in Central Ohio, and by combining these resources with those of the Kent State's School of Library Science a better program will result; and

WHEREAS the program would provide access to a much needed graduate library science degree for many residents of Central and Southern Ohio; and

WHEREAS the Graduate Council voted unanimously to approve the proposed program; and

WHEREAS the University Senate approved the program on June 7, 1986:

NOW THEREFORE

BE IT RESOLVED, That the Master of Science Joint Degree Program for The Ohio State University and Kent State University be established effective Autumn Quarter 1986.

Upon motion of Ms. Casto, seconded by Mr. Teaford, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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AMENDMENTS TO THE RULES OF THE UNIVERSITY FACULTY

Resolution No. 87-3

Synopsis: Amendments to rules 3335-5-471, 3335-5-473, 3335- 5-485, 3335-5-486, 3335-5-4814, and 3335-11-022 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 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, 1986, as follows:

AMENDED RULES

3335-5-471 Steering committee.

- (B) (2) Review the structure, operation, and effectiveness of the senate and its committees. It shall receive suggestions, review proposed rule changes, and initiate recommendations for change in the structure and operation of the senate, including structure, duties, and responsibilities of senate committees, without, however, in any way restricting the senate's authority to alter its operations by other means. The steering committee may also review other proposed rule changes prior to presentation to the senate.

3335-5-473 Rules committee.

- (B) Duties and responsibilities.

AMENDMENTS TO THE RULES OF THE UNIVERSITY FACULTY (contd)

- (1) Be responsible, in cooperation with the secretary of the university senate, for the monitoring of the "Rules of the University Faculty" and of all statutes and bylaws pertaining to the senate.
- (2) Ensure that all published rules and bylaws within the senate's purview are up to date, and recommend their republication at such intervals as may be desirable.
- (3) Make recommendations for the revision of the procedural rules of the senate.
- (4) Following senate approval, the committee shall receive all proposed new rules and changes in existing rules. It shall review them and recommend to the senate such editorial or other changes it deems necessary to avoid conflict with other rules, to enhance clarity and precision, and to avoid ambiguity. Its recommendations shall be presented for final action at the next regular meeting of the senate; debate will be limited to the editorial changes recommended by the committee. If the committee is unable to report at this time, it shall inform the program committee of the reasons so that they may be included in the program committee's report on items not yet appearing on the senate's agenda.
- (5) Initiate rules or changes in existing rules and recommend them to the program committee for scheduling for senate action.

3335-5-485 Athletic council.

- (B) (2) Participate with the president in the process of selecting the university's two faculty representatives to the intercollegiate conference of faculty representatives (big ten conference).
- (a) For each faculty representative position, the athletic council shall prepare a list of no fewer than two regular faculty members from which the president shall select a faculty representative. All regular tenured faculty members are eligible for inclusion on these lists.
 - (b) Unchanged.
 - (c) Final approval of each list of names submitted to the president shall be made by the full membership of the athletic council. The list for each faculty representative position shall be presented to the president during the winter quarter preceding the start of the next term of office in order to allow for a smooth transition between outgoing and incoming faculty representatives.
 - (d) The terms of the representatives shall be arranged so that the terms shall not begin or expire within the same year. The term of office for a faculty representative is three years, beginning the first of July following appointment. Reappointment for no more than one additional three-year term is permissible. If an incumbent faculty representative is eligible to and desires to serve another term, then at least seven months prior to the expiration of the current term, the

July 10 and 11, 1986 meeting, Board of Trustees

AMENDMENTS TO THE RULES OF THE UNIVERSITY FACULTY (contd)

athletic council shall undertake a review of the incumbent's performance. If the council decides that the incumbent should serve a second term and the president concurs, the faculty representative's term shall be renewed. Otherwise, the council shall move to prepare a list to submit to the president following the procedures of paragraphs (B) (2) (a) to (c) of this rule.

- (e) A faculty representative who is not already a member of the athletic council shall attend meetings of the council. The chairperson of the athletic council, or the chairperson's designee from among the faculty members of the athletic council, shall serve as an ex officio alternate for either faculty representative with full voting privileges at conference meetings.

3335-5-486 Council on admission and registration.

(A) Membership.

The council on admission and registration shall consist of nineteen members.

(1) Nine regular faculty.

- (a) Three regular faculty appointed by the president for three-year terms. Appointed members are eligible for reappointment.
- (b) Six regular faculty, at least two of whom are senate members, elected by the senate.

(2) Unchanged.

(3) Five administration members, all non-voting.

- (a) Vice president for academic affairs and provost, or designee.
- (b) Vice provost for student affairs, or designee.
- (c) Vice president for finance, or designee.
- (d) University registrar.
- (e) Director of admissions.

(B) Unchanged.

(C) Organization.

- (1) The chairperson shall be elected from among the faculty members. The vice president for academic affairs and provost, or designee, shall serve as vice chairperson, and the vice provost for student affairs, or designee, shall serve as secretary.

3335-5-4814 University calendar committee.

(B) Duties and responsibilities.

July 10 and 11, 1986 meeting, Board of Trustees

AMENDMENTS TO THE RULES OF THE UNIVERSITY FACULTY (contd)

- (1) Formulate guidelines for the preparation of university calendars to be presented for approval to the senate.
- (2) Prepare the university calendar, following the adopted guidelines.
- (3) Make minor modifications in published university calendars when circumstances warrant.
- (4) Consult with the council on academic affairs, the council of deans, and other appropriate offices before recommending to the senate a major change in the university calendar.
- (5) Periodically study the comparative advantages and disadvantages of the quarter system and alternative systems.
- (6) Monitor and seek to improve quarter-end validation procedures.
- (7) Transmit reports, including results of studies conducted by the university calendar committee, to the council of deans, the council on academic affairs, and the university senate, for consideration and appropriate action.

3335-11-022 Pending criminal law suit.

- (A) Whenever a criminal court exercises jurisdiction over acts which allegedly constitute a disruption by university rules, the university shall not exercise jurisdiction, except in an extraordinary case. In such a case, the university may bring the student before a hearing officer and panel to determine whether the student poses a clear and present danger of repeated or continued violation of rule 3335-11-02 of the Administrative Code. If the panel finds that such a danger exists, it shall recommend that the student's continued enrollment be dependent on the imposition of strict disciplinary probation, under such terms and conditions as the hearing officer may specify (except that the student may not be deprived of university scholarship, loan, grant-in-aid, or employment).
- (B) The term of probation shall last until such time as the hearing officer finds that the danger no longer exists. This finding may be initiated by the officer or upon petition by the student.
- (C) If a probation violation is alleged to have occurred, the student will be subject to an immediate hearing before a hearing officer. If found in violation of probation, the student will be temporarily suspended or dismissed from the university pending a full hearing.

NOW THEREFORE

BE IT RESOLVED, That the foregoing amendments to the Rules of the University Faculty be adopted as recommended by the University Senate.

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

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July 10 and 11, 1986 meeting, Board of Trustees

President Jennings made the following statement:

I am pleased to find in my travels through Ohio -- such as the recent trip to Cleveland -- that there is increasing understanding and acknowledgement of the breadth of Ohio State's influence and advantages. There is an unfortunate tendency in Ohio to overlook The Ohio State University's statewide mission and even broader benefits.

Students come from throughout the Buckeye state, from every other state of the Union, and more than one hundred foreign nations. The faculty is similarly diverse. Our alumni and our reputation for excellence extend to the four corners of the Earth. Research efforts extend from the farmlands of Ohio to both polar ice caps.

When this state's General Assembly established The Ohio State University some 116 years ago, it was intended to be an institution that would serve all the citizens of Ohio. Our charter and mission as Ohio's land-grant university gave us a unique and vital role to play throughout the state.

For this reason, and to recognize the growing regional, national, and international role that Ohio State plays, I am pleased to recommend to the Board of Trustees a change in the official seal of the University to reflect our comprehensive mission--to recommend that city designations for Columbus and regional campuses be replaced by the year of the University's founding, 1870.

This action serves as a symbolic re-affirmation to the people of Ohio that our University, is truly their University. We exist to serve the entire state, through the educational opportunities that we provide to its sons and daughters; the knowledge that is revealed through out wide-ranging research undertakings; and the efforts that we lead to improve the quality of life for our neighbors and fellow citizens.

We are proud to be The Ohio State University.

UNIVERSITY SEAL REVISION

Resolution No. 87-4

Synopsis: Revision of the official University Seal to replace the word "Columbus" with the year of the University's founding, 1870, and the elimination of all regional campus seals is proposed.

WHEREAS The Ohio State University Board of Trustees has on previous occasions approved the design for the official Seal of the University; and

WHEREAS in its role as Ohio's land-grant institution, the University serves the entire State of Ohio through its missions of teaching, research, and related public service; and

WHEREAS the University's influence and reputation, potential body of students, and alumni population extend throughout Ohio, across the United States, and around the world; and

WHEREAS the current University Seal design incorporates the word "Columbus"

July 10 and 11, 1986 meeting, Board of Trustees

UNIVERSITY SEAL REVISION (contd)

as part of the official seal, and the University's regional campuses incorporate their city names in their various seals; and

WHEREAS the Board of Trustees proudly acknowledges that The Ohio State University serves all Ohioans and is international in scope, influence, and reputation:

NOW THEREFORE

BE IT RESOLVED, That the official Seal of The Ohio State University and the Commercial Seal of the University be redrawn so as to replace the word "Columbus" with the year "1870," in which year the University was founded and that these revised Seals be registered with the United States Patent and Trademark Office and the Office of the Secretary of State of Ohio; and

BE IT FURTHER RESOLVED, That all regional campus seals be eliminated and replaced by the single, redrawn official University Seal; and

BE IT FURTHER RESOLVED, That the Secretary of the Board be directed to ensure that the revised Seals be used for all official University purposes and incorporated into the University Operating Manual and adopted for all official University uses effective July 1, 1987.

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

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DEGREES AND CERTIFICATES - SUMMER QUARTER COMMENCEMENT

Resolution No. 87-5

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

NOW THEREFORE

BE IT RESOLVED, That the degrees and certificates be conferred on August 29, 1986, 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 Ms. Casto, seconded by Mr. Barone, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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July 10 and 11, 1986 meeting, Board of Trustees

HONORARY DEGREE

Resolution No. 87-6

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, recommended to the Board of Trustees awarding of an honorary degree as listed below:

John D. Drinko

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 Ms. Casto, seconded by Mr. Barone, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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HONORARY DEGREES

Resolution No. 87-7

Synopsis: Approval is requested for awarding honorary degrees to six individuals.

WHEREAS the Committee on Honorary Degrees and the University Senate, pursuant to rule 3335-5-488 of the Administrative Code, have approved for recommendation to the Board of Trustees awarding of honorary degrees as listed below:

Dale B. Baker

Doctor of Science

Justice William J. Brennan, Jr.

Doctor of Laws

Alfred D. Chandler, Jr.

Doctor of Humane Letters

Frederick J. Doyle

Doctor of Science

Pavle Ivic

Doctor of Humane Letters

C. K. Tseng

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. Teaford, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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PERSONNEL ACTIONS

Resolution No. 87-8

RESOLVED, That the personnel actions as recorded in the Personnel Budget Records of the University since the June 11, 1986 meeting of the Board,

July 10 and 11, 1986 meeting, Board of Trustees

PERSONNEL ACTIONS (contd)

including the following Changes in Title, Appointment of Chairpersons of Departments and Director of Programs, Reappointment of Chairpersons of Departments, Leaves of Absence Without Salary, Professional Improvement Leaves, and Emeritus Titles as detailed in the University Budget be approved, and the 1986-87 Medical Staff Appointments/Reappointments approved June 12, 1986, by the Hospitals Board be ratified.

Changes in Title

Name: FREDERICK E. HUTCHINSON
Title: Vice President and Executive Dean
Office/College: Agricultural Administration/Agriculture
Effective: July 1, 1986
Salary: \$93,720.00
Present Position: Acting Vice President and Dean, Agricultural Administration, College of Agriculture

Name: CHESTER K. HANSEN
Title: Acting Executive Director
Center: National Center for Research in Vocational Education
Effective: July 1, 1986
Salary: \$75,360.00
Present Position: Senior Associate Director, National Center for Research in Vocational Education

Name: ALBERT L. CLOVIS
Title: Associate Dean and Professor
College: Law
Effective: July 1, 1986
Salary: \$95,040.00
Present Position: Professor, College of Law

Name: DEV S. PATHAK
Title: Associate Dean and Professor
College: Pharmacy
Effective: July 1, 1986
Salary: \$69,960.00
Present Position: Chairperson Professor, Division of Pharmaceutical Administration and Professor, College of Business

Name: JANE M. SNYDER
Title: Associate Dean and Professor
College: Humanities
Effective: July 1, 1986
Salary: \$58,560.00
Present Position: Professor, Department of Classics

Name: EUGENE CHING
Title: Professor (Bliss M. and Mildred A. Wiant Designated Professorship in Chinese Literature and Culture)
Department: East Asian Languages and Literatures
Effective: October 1, 1985
Salary: \$40,680.00
Present Position: Professor, Department of East Asian Languages and Literatures

July 10 and 11, 1986 meeting, Board of Trustees

PERSONNEL ACTIONS (contd)

Appointment of Chairpersons of Departments and Director of Programs

January 1, 1986 through December 31, 1990

Veterinary Physiology and Pharmacology Young C. Lin

July 1, 1986 through June 30, 1990

Chemistry Devon W. Meek
Mathematics Joseph C. Ferrar

August 1, 1986 through June 30, 1987

Clinical Programs - College of Law David A. Goldberger

October 1, 1986 through September 30, 1987

German Charles W. Hoffmann*

October 1, 1986 through September 30, 1988

East Asian Languages and Literatures Feng S. Hsueh

October 1, 1986 through September 30, 1989

Slavic and East European Languages Frank R. Silbajoris

October 1, 1986 through September 30, 1990

Life Span Process Carol L. Kennedy

Reappointment of Chairpersons of Departments

July 1, 1986 through September 30, 1986

Family Resource Management Fern E. Hunt*

July 1, 1986 through June 30, 1987

Genetics Russell V. Skavaril*
Surgery Ronald M. Ferguson*

July 1, 1986 through June 30, 1990

Family Relations and Human Development Barbara M. Newman
Veterinary Pathobiology Charles C. Capen

October 1, 1986 through September 30, 1990

Romance Languages and Literatures Ronald C. Rosbottom
Sociology Saad Z. Nagi

*Acting Chairperson

Leaves of Absence Without Salary

NANCY K. COXE, Assistant Professor, University Libraries, effective June 26, 1986 through October 12, 1986, for personal reasons.

July 10 and 11, 1986 meeting, Board of Trustees

PERSONNEL ACTIONS (contd)

Leaves of Absence Without Salary (contd)

NANCY K. RHODEN, Assistant Professor, College of Law, effective Autumn Semester 1985 and Spring Semester 1986, for personal reasons.

Professional Improvement Leaves

LAWRENCE BAUM, Professor, Department of Political Science, effective Autumn Quarter 1986 and Winter Quarter 1987.

DAN BURGHELEA, Professor, Department of Mathematics, effective Autumn Quarter 1986, Winter Quarter and Spring Quarter 1987.

JERRY F. DOWNHOWER, Professor, Department of Zoology, effective Autumn Quarter 1986, Winter Quarter and Spring Quarter 1987.

OSCAR FISCH, Professor, Department of City and Regional Planning, effective Autumn Quarter 1986.

LAURENCE C. GERCKENS, Professor, Department of City and Regional Planning, effective Autumn Quarter 1986, Winter Quarter and Spring Quarter 1987.

ANTHONY G. GREENWALD, Professor, Department of Psychology, Autumn Quarter 1986, Winter Quarter and Spring Quarter 1987.

GEORGE F. HALL, Professor, Department of Agronomy, effective October 1, 1986 through June 30, 1987.

KEITH A. HALL, Professor, Department of Educational Theory and Practice, effective Autumn Quarter 1986, Winter Quarter and Spring Quarter 1987.

JOHN S. HSIA, Professor, Department of Mathematics, effective Autumn Quarter 1986, Winter Quarter and Spring Quarter 1987.

BERNARD J. LA LONDE, Professor, Academic Faculty of Marketing, effective Autumn Quarter 1986, Winter Quarter and Spring Quarter 1987.

J. HUSTON MCCULLOCH, Professor, Department of Economics, effective Autumn Quarter 1986, Winter Quarter and Spring Quarter 1987.

EARL F. MURPHY, Professor, College of Law, effective Autumn Semester 1986 and Spring Semester 1987.

EDWARD C. NABER, Professor, Department of Poultry Science, effective July 1, 1986 through December 31, 1986.

BRADLEY M. RICHARDSON, Professor, Department of Political Science, effective Autumn Quarter 1986, Winter Quarter and Spring Quarter 1987.

WALTER W. WADA, Professor, Department of Physics, effective Autumn Quarter 1986, Winter Quarter and Spring Quarter 1987.

KENNETH J. WALDRON, Professor, Department of Mechanical Engineering, effective Autumn Quarter 1986, Winter Quarter and Spring Quarter 1987.

DOUGLAS J. WHALEY, Professor, College of Law, effective Autumn Semester 1986 and Spring Semester 1987.

July 10 and 11, 1986 meeting, Board of Trustees

PERSONNEL ACTIONS (contd)

Professional Improvement Leaves (contd)

PHILIP E. WIGEN, Professor, Department of Physics, effective Autumn Quarter 1986, Winter Quarter and Spring Quarter 1987.

NORMAN K. BOOTH, Associate Professor, Department of Landscape Architecture, effective Autumn Quarter 1986 and Winter Quarter 1987.

ALEXIS C. COLLIER, Associate Professor, Department of Psychology, effective Autumn Quarter 1986, Winter Quarter and Spring Quarter 1987.

M. GREGORY FOREST, Associate Professor, Department of Mathematics, effective Autumn Quarter 1986, Winter Quarter and Spring Quarter 1987.

CLINTON R. FOULK, Associate Professor, Department of Computer and Information Science, effective Autumn Quarter 1986 and Winter Quarter 1987.

BONNIE J. GARVIN, Associate Professor, Department of Family and Community, effective Autumn Quarter 1986, Winter Quarter and Spring Quarter 1987.

RICHARD P. GUNTHER, Associate Professor, Department of Political Science, effective Autumn Quarter 1986, Winter Quarter and Spring Quarter 1987.

ROBERT MACCALLUM, Associate Professor, Department of Psychology, effective Autumn Quarter 1986, Winter Quarter and Spring Quarter 1987.

ANNE M. MORGANSTERN, Associate Professor, Department of History of Art, effective Autumn Quarter 1986, Winter Quarter and Spring Quarter 1987.

JAMES R. MORITA, Associate Professor, Department of East Asian Languages and Literatures, effective Autumn Quarter 1986 and Winter Quarter 1987.

DEAN H. OWEN, Associate Professor, Department of Psychology, effective Autumn Quarter 1986, Winter Quarter and Spring Quarter 1987.

GREGORY PROCTOR, Associate Professor, School of Music, effective Autumn Quarter 1986, Winter Quarter and Spring Quarter 1987.

Emeritus Titles

JACK L. BEAL, College of Pharmacy, with the title Professor Emeritus, effective July 1, 1986.

JOHN H. BEHLING, College of Social Work, with the title Professor Emeritus, effective July 1, 1986.

RONALD B. BERGGREN, Department of Surgery, with the title Professor Emeritus, effective July 1, 1986.

VERN R. CAHILL, Department of Animal Science, with the title Professor Emeritus, effective July 1, 1986.

JOHN J. CLARKE, School of Journalism, with the title Professor Emeritus, effective September 1, 1986.

JACK HINE, Department of Chemistry, with the title Professor Emeritus, effective September 1, 1986.

July 10 and 11, 1986 meeting, Board of Trustees

PERSONNEL ACTIONS (contd)

Emeritus Titles (contd)

ROSCOE C. HINKLE, Department of Sociology, with the title Professor Emeritus, effective July 1, 1986.

CHARLOTTE S. HUCK, Department of Educational Theory and Practice, with the title Professor Emeritus, effective July 1, 1986.

RICHARD W. HUFFMAN, College of Dentistry - Restorative Dentistry, with the title Professor Emeritus, effective July 1, 1986.

CHARLES D. JONES, Department of Mechanical Engineering, with the title Professor Emeritus, effective July 1, 1986.

GEOFFREY KELLER, Department of Astronomy, with the title Professor Emeritus, effective September 1, 1986.

GEORGE P. PATTEN, Department of Geography, with the title Professor Emeritus, effective July 1, 1986.

JOSEPH M. RYAN, Department of Medicine - Cardiology, with the title Professor Emeritus, effective July 1, 1986.

WILLIAM B. TORAN, School of Journalism, with the title Professor Emeritus, effective July 1, 1986.

JAMES VANDERZANDEN, Department of Sociology, with the title Professor Emeritus, effective July 1, 1986.

ROBERT L. WALL, Department of Medicine - Hematology, with the title Professor Emeritus, effective July 1, 1986.

JAMES V. WARREN, Department of Medicine - Cardiology, with the title Professor Emeritus, effective June 1, 1986.

RICHARD L. WINK, School of Music (Mansfield Campus), with the title Professor Emeritus, effective August 1, 1986.

WALTER A. ZACHERL, College of Dentistry - Oral Biology, with the title Professor Emeritus, effective July 1, 1986.

WILLIAM R. BAZLER, College of Dentistry - Endodontics, with the title Associate Professor Emeritus, effective July 1, 1986.

JOSEPH L. BITONTE, Department of Ophthalmology, with the title Associate Professor Emeritus, effective July 1, 1986.

HELMUTH W. ENGELMAN, Department of Mechanical Engineering, with the title Associate Professor Emeritus, effective July 1, 1986.

KARL W. OLSON, Department of Electrical Engineering, with the title Associate Professor Emeritus, effective July 1, 1986.

LAWRENCE D. VITT, Academic Faculty of Management Sciences, with the title Associate Professor Emeritus, effective July 1, 1986.

JERRY L. BIDWELL, Center for Comparative Studies in the Humanities

July 10 and 11, 1986 meeting, Board of Trustees

PERSONNEL ACTIONS (contd)

Emeritus Titles (contd)

(Mansfield Campus), with the title Assistant Professor Emeritus, effective July 1, 1986.

RUTH M. PAINE, Cooperative Extension Service, with the title Assistant Professor Emeritus, effective July 1, 1986.

ANTHONY J. PASQUARELLO, Department of Philosophy (Mansfield Campus), with the title Assistant Professor Emeritus, effective September 1, 1986.

DONALD H. WALISER, Department of Agricultural Education, with the title Assistant Professor Emeritus, effective July 1, 1986.

KENNETH S. ZINNECKER, College of Optometry, with the title Assistant Professor Emeritus, effective July 1, 1986.

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

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RESOLUTION IN MEMORIAM

Resolution No. 87-9

Synopsis: A resolution honoring the service of one of the 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.

C. Gibson Scheaffer

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on March 11, 1986, of C. Gibson Scheaffer, Assistant Professor Emeritus in the School of Journalism.

Professor Scheaffer was born on April 27, 1905. He earned his B.A. degree in 1927 from the University of Wisconsin, School of Journalism.

Professor Scheaffer joined the School of Journalism as a Lecturer in 1963 and was named Assistant Professor in 1965. A dedicated teacher, he taught the School's service courses for the Colleges of Agriculture and Home Economics as well as courses which served students in the College of Dentistry. During a brief period he served as a special assistant to President Novice G. Fawcett, primarily in the area of speech preparation.

Professor Scheaffer came to OSU after a distinguished career in publishing in New York City. He was editor-in-chief for adult books for the Grosset and Dunlap Company; a senior editor for McGraw-Hill; and a managing editor for the book division of the Ziff-Davis Publishing Company and earlier held other book and newspaper editing positions.

One of his major contributions to the School of Journalism was the development and direction of a continuing education effort of the American

July 10 and 11, 1986 meeting, Board of Trustees

RESOLUTION IN MEMORIAM (contd)

C. Gibson Scheaffer (contd)

Dental Association, a Dental Editors Seminar. During these yearly seminars, approximately 25 dental editors participated in a four-day minicourse in dental journalism. He was the program director from 1967 through 1973.

Professor Scheaffer retired and became Assistant Professor Emeritus on July 1, 1975.

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.

Upon motion of Ms. Casto, seconded by Mr. Barone, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS

Resolution No. 87-10

Synopsis: The reports on contracts, grants, and gifts and the summary for May 1986 are presented for Board acceptance.

WHEREAS monies are solicited and received on behalf of the University from governmental, industrial and other agencies and alumni and various other 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 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 and The Ohio State University Development Fund during the month of May 1986 be approved.

Upon motion of Ms. Casto, seconded by Mr. Barone, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

President Jennings made the following statement:

Many of the items in today's report provide firm evidence of The Ohio State University's growing success in cooperative efforts with the corporate sector. I would like to take a moment to tell you about another success story.

During the next five years, Tominy Incorporated, a Cincinnati developer and supplier of data processing software development

July 10 and 11, 1986 meeting, Board of Trustees

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

President Jennings: (contd)

tools for business and industry, will give the University up to \$1.5 million worth of software, and training and maintenance materials for its newest product, named "MACH 1."

Tominy officials tell us that the MACH 1 software permits data processing systems to be developed up to five times faster than with conventional methods. The software and the systems it produces can be used on mainframe, micro- and mini-computers made by a variety of vendors.

William R. Martin, Tominy's president and chief executive officer, told me recently that Ohio State was selected to receive this gift because Tominy was extremely impressed with our forward-thinking approach to the study and development of data processing systems.

Mr. Martin feels that we share his belief in the need to focus corporate America's attention on the use of computers in truly critical business applications that facilitate business expansion and economic growth.

Ohio State assisted Tominy in the development of MACH 1 on a contract research basis. Since that time, we have maintained a strong interest in using MACH 1.

We are very enthusiastic about the possibilities of using this product in the classroom, where students should be able to develop full data processing applications within a single academic quarter. We also foresee countless uses of MACH 1 for research in a wide range of administrative applications. Certainly, it will alleviate the difficulties inherent in the variety of sizes and makes of computers needed in our diverse academic and administrative areas throughout the University.

In order to promote MACH 1's use here, a steering committee and a technical advisory committee are being organized to oversee distribution and use of the software among Ohio State faculty and staff members and students. I am pleased that the steering committee will be chaired by William P. Cheng, an Ohio State alumnus and venture capitalist from San Diego, who was instrumental in securing the Tominy gift for Ohio State.

On behalf of the University, I'm pleased to extend my thanks to Bill Martin, Bill Cheng, and Tominy's founder, Tom Richley. As a result of their commitment to Ohio State, our excellence will be further enhanced.

SUMMARY FOR MAY 1986

Source	No. of Projects	Support Level
The Ohio State University Research Foundation	86	\$6,486,803.16
Engineering Experiment Station	54	\$ 446,896.00
Total	140	\$6,933,699.16

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

SUMMARY FOR MAY 1986 (contd)

The Ohio State University Development Fund

Establishment of Named Funds

The Walter H. Kidd Fund (Benefit College of Engineering)	\$ 125,329.00
The Charlotte S. Huck Children's Literature Endowment Fund (Establishment of a professorship)	\$ 29,000.00
Dow Professorship in Chemistry Fund (Establishment of a professorship)	\$ 25,000.00
Robert C. Tumbleson Scholarship Foundation (Department of Mathematics)	\$ 19,870.00
The W. B. and T. T. Stout Agricultural Economics Scholarship Fund (Scholarships)	\$ 10,200.00
The H. M. "Pete" and Velma V. Everhart Fund (Support - College of Agriculture/Scholarships - Department of Family Resource Management)	\$ 10,000.00
The William A. Behnke Associates, Inc., Minority Scholarship (Scholarships - Landscape Architecture)	\$ 6,000.00
The Dr. Harry E. Goldstein Scholarship Fund for Veterinary Medicine (Scholarships)	\$ 5,744.00
Allen County Ohio State University Association - The Ohio State University at Lima Scholarship Endowment Fund (Scholarships for students from Allen County)	\$ 5,000.00
Department of Architecture Library Endowment Fund (Purchase books on architecture)	\$ 5,000.00
Charles B. Boyles Memorial Scholarship Fund in Animal Science (Scholarships)	\$ 5,000.00
The Erie County 4-H Fund (Support the Erie County 4-H Program)	\$ 5,000.00
The L. P. McGann Memorial Scholarship Award in Animal Science (Scholarships)	\$ 5,000.00
The Earl J. Mickle Memorial Fund (Scholarships/awards - College of Mathematical and Physical Sciences)	\$ 5,000.00

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

SUMMARY FOR MAY 1986 (contd)

The Ohio State University Development Fund (contd)

Establishment of Named Funds (contd)

The Ohio State University at Lima Faculty and Staff
Development Fund

(Development of faculty and staff - Lima Campus) \$ 5,000.00

The Ohio State University at Lima Faculty and Staff
Scholarship Fund

(Scholarships) \$ 5,000.00

Change in Description of Named Fund

The Presutti Dance Fund

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION

Report - May 1986

Federal Research Contracts/Grants

\$1,730,000.00 - Department of Labor, Employment and Training Administration, Washington, DC, National Longitudinal Surveys of Labor Market Experience - NICHED, Center for Human Resource Research (K. I. Wolpin), 17 June 1985 through 30 September 1987. (Project 764806 - Continuation)

\$539,491.00 - National Aeronautics and Space Administration, Langley Research Center, Hampton, VA, Radar Cross Section Studies, Department of Electrical Engineering, ElectroScience Laboratory (L. Peters, Jr. and W. D. Burnside), 1 May 1986 through 30 April 1987. (Project 761608 - Continuation)

\$164,021.00 - Department of Health and Human Services, Public Health Service, Health Resources and Services Administration, Rockville, MD, Grant for Faculty Development in Family Medicine, Department of Family Medicine (L. L. Gabel), 1 July 1986 through 30 June 1987. (Project 764220 - Continuation)

\$153,744.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, Preclinical Pharmacology Investigations of Antitumor Agents, College of Pharmacy (L. Malspeis), 14 April 1986 through 13 April 1987. (Project 765385 - Continuation)

\$150,751.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, Oncology Training Grant, Department of Medicine (S. P. Balcerzak), 1 July 1986 through 30 June 1987. (Project 761160 - Continuation)

\$146,070.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, General Clinical Research Center, College of Medicine - Administration (M. Tzagournis) and Department of Medicine (W. Malarkey), 1 December 1985 through 30 November 1986. (Project 761196 - Continuation)

\$120,573.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, A Model of Parainfectious Demyelinating Encephalitis, Department of Veterinary Pathobiology (G. S. Krakowka), 1 April 1986 through 31 March 1987. (Project 762797 - Continuation)

\$120,000.00 - National Science Foundation, Washington, DC, The Spectroscopy of Chemical Intermediates and Other Transient Species, Department of Chemistry (T. A. Miller), 1 June 1986 through 31 May 1987. (Project 764814 - Continuation)

\$117,101.00 - Department of the Army, Defense Supply Service, Washington, DC, The Problem of Net Assessment in an Historical Context, Department of History (W. Murray and A. R. Millett), 25 April 1986 through 24 April 1987. (Project 765401 - New)

\$117,000.00 - National Science Foundation, Washington, DC, Glaciological and Climatological Analysis of the Past 2000 Years from Antarctic Ice Cores, Institute of Polar Studies (E. Mosley-Thompson and L. G. Thompson) and

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

Department of Chemistry (T. R. Sweet), 15 July 1986 through 14 July 1987.
(Project 764798 - Continuation)

\$107,688.00 - Department of Health and Human Services, Public Health Service, Health Resources and Services Administration, Rockville, MD, Predoctoral Training in Family Medicine, Department of Family Medicine (P. J. Fahey), 1 July 1986 through 30 June 1987. (Project 765400 - New)

\$99,972.00 - National Science Foundation, Washington, DC, Chloroplast DNA and the Phylogeny of North American Coreopsis (Asteraceae), Department of Botany (D. Crawford), 1 May 1986 through 31 October 1988. (Project 765376 - New)

\$97,763.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, Function of the Enteric Nervous System, Department of Physiology (J. D. Wood), 1 May 1986 through 30 April 1987. (Project 765012 - Continuation)

\$96,000.00 - National Science Foundation, Washington, DC, Totally Synthetic Heme Protein Models, Department of Chemistry (D. H. Busch), 1 July 1986 through 30 June 1987. (Project 764274 - Continuation)

\$93,010.00 - National Science Foundation, Washington, DC, Gaseous and Aqueous Corrosion of Ceramics, Department of Ceramic Engineering (D. W. Readey), 1 July 1986 through 30 June 1987. (Project 765380 - Continuation)

\$79,235.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, Graduate Training in Biochemical Neuropathology, Department of Physiological Chemistry (L. A. Horrocks), 1 July 1986 through 30 June 1987. (Project 760708 - Continuation)

\$76,960.00 - Department of Energy, Argonne, IL, Study of the Basis for the Competitiveness of Rhizobium japonicum in the Nodulation of Soybean, Department of Agronomy - OARDC and Department of Agronomy (W. D. Bauer), 15 May 1986 through 14 May 1987. (Project 765360 - New)

\$75,522.00 - Department of the Army, Office of Naval Research, Arlington, VA, Molecular Biology of the Extremely Thermophilic Archaeobacterium, Methanothermus fervidus, Department of Microbiology (J. N. Reeve), 1 April 1986 through 31 March 1987. (Project 765291 - New)

\$70,902.00 - Department of Energy, Argonne, IL, Generation of Microporosity in Steel Welds and Its Role in Hydrogen Attack, Department of Metallurgical Engineering (P. G. Shewmon), 1 June 1986 through 31 May 1987. (Project 764146 - Continuation)

\$70,000.00 - National Science Foundation, Washington, DC, Nucleotide Sites of Calmodulin - Dependent Protein Kinase, Department of Chemistry (M. M. King), 1 August 1986 through 31 July 1987. (Project 764892 - Continuation)

\$69,745.00 - Department of Energy, Argonne, IL, Characterization of the Organization of the Genome of Methanogens and Development of Genetic Exchange Systems for Methanococcus vannielii, Department of Microbiology (J.

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

N. Reeve and J. I. Frea), 1 July 1986 through 30 June 1987. (Project 762755 - Continuation)

\$57,900.00 - National Science Foundation, Washington, DC, Single-Atom Peri-Bridged Arenes and Hetarenes: Carbonic Processes, Department of Chemistry (H. Shechter), 1 July 1986 through 30 June 1987. (Project 764751 - Continuation)

\$52,016.00 - National Aeronautics and Space Administration, Washington, DC, The Role of Acid and Calcium Gradients in Gravitropism, Department of Botany (M. L. Evans), 1 March 1986 through 28 February 1987. (Project 763005 - Continuation)

\$50,000.00 - Department of the Air Force, Air Force Systems Command, Bolling Air Force Base, DC, Fatigue Crack Propagation: Probabilistic Modeling and Statistical Analysis, Department of Statistics (S. Blumenthal and P. K. Goel), 1 July 1986 through 30 June 1987. (Project 764222 - Continuation)

\$45,600.00 - National Science Foundation, Washington, DC, Separation and Detached Eddies in Rotating Stratified Flows, Department of Aeronautical and Astronautical Engineering (M. R. Foster), 15 April 1986 through 14 April 1987. (Project 764675 - Continuation)

\$35,042.00 - National Aeronautics and Space Administration, Langley Research Center, Hampton, VA, Space Station Antenna Design Studies, Department of Electrical Engineering, ElectroScience Laboratory (W. D. Burnside), 1 May 1986 through 30 April 1987. (Project 761012 - Continuation)

\$35,000.00 - National Aeronautics and Space Administration, Washington, DC, The Role of Gravity in Apical Dominance, Department of Botany (M. G. Cline), 1 May 1986 through 30 April 1987. (Project 764141 - Continuation)

\$32,286.00 - Department of the Air Force, Air Force Systems Command, Bolling Air Force Base, DC, Strength and Structure of $GA_{1-x}In_x$ as Alloys, Department of Ceramic Engineering (K. T. Faber) and Department of Metallurgical Engineering (J. P. Hirth), 1 September 1985 through 31 August 1986. (Project 764977 - Continuation)

\$30,000.00 - Department of the Air Force, Aeronautical Systems Division, Wright-Patterson Air Force Base, OH, UTD Scattering from Structures Including Higher Order Terms, Department of Electrical Engineering, ElectroScience Laboratory (R. J. Marhefka), 15 April 1986 through 30 September 1986. (Project 765374 - New)

\$30,000.00 - National Science Foundation, Washington, DC, Probability and Ergodic Theory, Department of Mathematics (L. Sucheston), 1 June 1986 through 31 May 1987. (Project 765394 - Continuation)

\$28,722.00 - National Science Foundation, Washington, DC, Problems in Harmonic Analysis Related to Weight Functions, Department of Mathematics (S. Chanillo), 1 July 1986 through 30 June 1988. (Project 765406 - New)

\$27,000.00 - Department of the Army, U.S. Army Armament, Munitions and

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

Chemical Command, Dover, NJ, Department of Chemistry (L. A. Paquette), 7 May 1986 through 31 December 1986. (Project 765379 - New)

\$24,940.00 - Department of the Interior, Bureau of Mines, Pittsburgh, PA, Electromyography (EMG) Data Acquisition System, Department of Industrial and Systems Engineering (W. S. Marras), 1 April 1986 through 28 August 1986. (Project 765342 - New)

\$23,250.00 - National Science Foundation, Washington, DC, Iwasawa Invariants and p-Acid L-Functions, Department of Mathematics (W. M. Sinnott), 1 July 1986 through 30 June 1987. (Project 765405 - New)

\$21,714.00 - National Science Foundation, Washington, DC, U.S.-Industrialized Countries Exchange for Scientists and Engineers, 1986/1987 Competition, Department of Chemistry (L. J. Berliner), 1 May 1986 through 31 December 1986. (Project 765304 - New)

\$9,350.00 - National Science Foundation, Washington, DC, Structural Studies of Conducting Polymers, Department of Physics (A. J. Epstein), 1 April 1986 through 31 March 1988. (Project 765277 - New)

Computer Time - National Science Foundation, Washington, DC, Fundamental Studies in Elasto-hydrodynamic Lubrication, Department of Mechanical Engineering (B. J. Hamrock), 15 June 1986 through 15 June 1987. (Project 765242 - Continuation) (Approximate Dollar Value - \$14,000)

Computer Time - National Science Foundation, Washington, DC, Presidential Young Investigator Award, Department of Metallurgical Engineering (R. H. Wagoner), 1 July 1986 through 30 June 1987. (Project 764071 - Continuation) (Approximate Dollar Value - \$38,000)

TOTAL - FEDERAL AWARDS \$4,798,368.00

State of Ohio Research Contracts/Grants

\$99,983.00 - State of Ohio, Division of Vocational and Career Education, Columbus, OH, Evaluation of Vocational Education Programs for Incarcerated Adults in Ohio, The National Center for Research in Vocational Education (R. E. Taylor), 1 May 1986 through 31 December 1986. (Project 765381 - New)

\$49,835.00 - State of Ohio, Ohio Air Quality Development Authority, Columbus, OH, Forest Soil Characterizations in Coniferous and Hardwood Forests of Ohio, Laboratory for Environmental Studies - OARDC (T. C. Weidensaul) and Research Extension Analytical Laboratory - OARDC (M. E. Watson), 1 May 1986 through 30 June 1987. (Project 765370 - New)

\$10,127.00 - State of Ohio, Department of Education, Columbus, OH, Upward Bound Summer Food Service Program, Office of Minority Affairs (J. Cruz), 16 June 1986 through 26 July 1986. (Project 765399 - New)

\$5,600.00 - State of Ohio, Department of Youth Services, Columbus, OH, Psychological Testing of Youth Committed to Department of Youth Services Institutions, Department of Human Services Education (J. Collins), 1 April 1986 through 30 June 1986. (Project 765392 - 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)

\$3,505.00 - State of Ohio, Department of Natural Resources, Columbus, OH, Lima Campus and Department of Zoology (J. E. Juterbock), 7 May 1986 through 28 February 1987. (Project 765388 - New)

TOTAL - STATE OF OHIO AWARDS \$ 169,050.00

Industrial Research Contracts/Grants

\$157,000.00 - Upjohn Company, Kalamazoo, MI, Treatment of Neuroleptic Induced Akathisia with Alprazolam, Department of Psychiatry (H. A. Nasrallah and J. A. Coffman), 1 January 1986 through 31 December 1987. (Project 765384 - New)

\$85,510.00 - American Critical Care, McGaw Park, IL, A Dose Ranging Tolerance Study of the Phenytoin Prodrug in Healthy Human Volunteers: A Single Center Study (9653-86-01), Department of Pharmacology (N. Gerber), 1 May 1986 through 30 June 1987. (Project 764001 - Continuation)

\$82,800.00 - Norwich Eaton Pharmaceuticals, Inc., Norwich, NY, A Double-Blind, Placebo-Controlled, Crossover Trial to Determine the Safety, Tolerance, and Pharmacological Effect of Calcimar when Administered Directly into the Intestine, Department of Pharmacology (N. Gerber), 1 January 1986 through 31 December 1986. (Project 764001 - Continuation)

\$65,000.00 - Air Products and Chemicals, Inc., Allentown, PA, Chelate Dioxigen Carriers for Use in Facilitated Transport, Department of Chemistry (D. H. Busch), 1 February 1986 through 31 January 1987. (Project 763432 - Continuation)

\$61,700.00 - CeramPhysics, Inc., Westerville, OH, Research on High-Specific-Heat Dielectrics, Department of Physics (B. R. Patton), 1 April 1986 through 31 March 1987. (Project 765369 - New)

\$50,268.00 - Pfizer, Inc., Groton, CT, Double-Blind Four Week Multicenter Study of CP-65,703 and Piroxicam in Patients with Osteoarthritis, Department of Medicine (N. P. Hudson), 1 March 1986 through 28 February 1987. (Project 765386 - New)

\$50,000.00 - Pfizer, Inc., Groton, CT, Phase I Double-Blind, Placebo-Controlled Multiple Dose Study to Establish Safety and Pharmacokinetics of CP-63,748 (501-002), Department of Pharmacology (N. Gerber), 1 January 1985 through 30 June 1986. (Project 764001 - Continuation)

\$31,019.00 - Texas Instruments, Dallas, TX, Health Care Billing Advisor, Academic Faculty of Accounting and Management Information Systems (J. S. Cunnyngham), 4 June 1985 through 1 May 1986. (Project 765364 - New)

\$16,575.00 - Pfizer, Inc., Groton, CT, CP-65,207 Phase I Clinical Pharmacology Study, Department of Pharmacology (N. Gerber), 1 April 1986 through 31 March 1987. (Project 764001 - Continuation)

\$15,500.00 - FMC Corporation, Philadelphia, PA, Microcrystalline Cellulose Stabilized Emulsions, College of Pharmacy (S. Frank), 15 May 1986 through 14 May 1987. (Project 764077 - Continuation)

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Industrial Research Contracts/Grants (contd)

\$10,000.00 - Hoffmann-LaRoche Inc., Nutley, NJ, Ro 17-2301 in the Parenteral Therapy of Bacterial Infections, Department of Medicine (J. F. Plouffe), 1 May 1986 through 31 December 1986. (Project 763852 - Continuation)

\$9,036.00 - General Electric Company, Cleveland, OH, Forming Machine Operator--Analysis, Video Training, Design/Production, and Instructional Development, College of Education - Administration (J. J. Buffer), 1 April 1986 through 31 July 1986. (Project 765366 - New)

\$9,036.00 - General Electric Company, Cleveland, OH, Tank Furnace Operator--Analysis, Video Training, Design/Production, and Instructional Development, College of Education - Administration (J. J. Buffer), 1 April 1986 through 31 July 1986. (Project 765365 - New)

\$4,300.00 - Swan Cleaners, Inc., Columbus, OH, Swan Cleaners - Procedure, Manual Redevelopment, College of Education - Administration (J. J. Buffer), 23 April 1986 through 30 September 1986. (Project 765383 - New)

\$3,189.00 - Bristol Labs, Syracuse, NY, Survey of Biological Activity of Liposomal Bound Amikacin in Cattle Tears, Department of Veterinary Clinical Sciences (M. Wyman, J. J. Kowalski and J. Hurley), 1 December 1985 through 30 November 1986. (Project 765167 - Continuation)

\$3,000.00 - Squibb (E.R.) & Sons, Arlington Heights, IL, Outpatient Evaluation of Captopril in Treatment of Congestive Heart, Department of Family Medicine (R. M. Guthrie) and Department of Pharmacology (N. Gerber), 1 May 1986 through 31 July 1986. (Project 764001 - New)

\$1,093.00 - Agrigenetics Research Associates Limited, Boulder, CO, Isolation of Rhizobia for Soybean Seed Inoculation with Improved Competitiveness, Department of Agronomy - OARDC and Department of Agronomy (W. Bauer), 1 January 1986 through 31 December 1986. (Project 765169 - Continuation)

TOTAL - INDUSTRIAL AWARDS \$ 655,026.00

Other Non-Federal Research Contracts/Grants

\$91,500.00 - Indonesia Ministry of Education and Culture, Jakarta, Indonesia, Indonesian Visiting Scholar Program, College of Education - Administration (J. J. Buffer), 1 April 1986 through 30 November 1986. (Project 765362 - New)

\$83,684.00 - University of Wisconsin-Madison, Madison, WI, Midwest Universities Consortium for International Activities, Inc., Indonesia Program in Geodesy, Surveying, Photogrammetry and Cartography, Department of Geodetic Science and Surveying (I. I. Mueller), 1 June 1986 through 31 March 1987. (Project 765395 - New)

\$82,734.00 - Franklin County Board of Mental Retardation and Developmental Disabilities, Columbus, OH, Exemplary Dental Services for the Handicapped, Nisonger Center (E. S. Sterling), 1 July 1986 through 30 June 1987. (Project 765404 - Continuation)

\$75,188.00 - Indiana University, Bloomington, IN, Malaysia Cooperative

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Other Non-Federal Research Contracts/Grants (contd)

Program, Department of Communication (G. Berquist), 16 August 1986 through 30 June 1987. (Project 764972 - Continuation)

\$73,166.00 - Georgia Institute of Technology, Atlanta, GA, Complementary Pressure Swing Adsorption, Department of Chemical Engineering (K. S. Knaebel), 30 March 1986 through 30 January 1987. (Project 765347 - New)

\$56,022.00 - Indiana University, Bloomington, IN, Malaysia Cooperative Program, Marion Campus and Department of Psychology (D. J. Christie), 1 August 1986 through 30 June 1987. (Project 764972 - Continuation)

\$40,000.00 - National Geographic Society, Washington, DC, A Cooperative Paleoclimatic Study of the Dunde Ice Cap, China, Institute of Polar Studies (L. G. Thompson), 1 June 1986 through 30 May 1987. (Project 765372 - New)

\$37,464.00 - American Health Assistance Foundation, Rockville, MD, Physical-Chemical Characterization of Human Coronary Arterial Calcification, Oral Biology (D. W. Foreman, Jr.), 1 June 1986 through 31 May 1987. (project 765371 - New)

\$37,100.00 - American Iron and Steel Institute, Washington, DC, Mixing and Flow Control in Slab Caster Tundishes, Department of Metallurgical Engineering (Y. Sahai), 1 May 1986 through 30 April 1987. (Project 764124 - Continuation)

\$35,000.00 - American Lung Association, New York, NY, Oxidant Injury in the Adult Respiratory Distress Syndrome (ARDS), Department of Medicine (W. B. Davis), 1 July 1986 through 30 June 1987. (Project 765375 - New)

\$30,530.00 - University of Wisconsin-Madison, Madison, Wisconsin, MUCIA Indonesia Higher Education Project, Academic Affairs Administration (D. G. McCloud), 1 May 1986 through 19 May 1987. (Project 763978 - Continuation)

\$29,200.00 - Virginia Polytechnic Institute and State University, Blacksburg, VA, The Chemical Architecture of Molecular Ferromagnets, Department of Chemistry (D. H. Busch), 16 June 1986 through 31 December 1986. (Project 763742 - Continuation)

\$27,738.00 - University of California, Lawrence Livermore National Laboratory, Livermore, CA, Department of Physics and Department of Astronomy (R. N. Boyd), 1 April 1986 through 1 July 1986. (project 765396 - New)

\$25,000.00 - Emergency Medicine Foundation, Dallas, TX, Eli Lilly Corporation/Emergency Medicine Foundation Scholar Award, Department of Preventive Medicine (C. G. Brown), 1 July 1986 through 30 June 1987. (Project 765398 - New)

\$22,475.00 - Indonesia Ministry of Education and Culture, Jakarta, Indonesia, Housing Agreement - Indonesian Visiting Scholar Program, College of Education - Administration (J. J. Buffer), 1 April 1986 through 31 March 1987. (project 765362 - New)

\$21,650.00 - United Nations, Geneva, Switzerland, Evaluation of Active Immunization with Synthetic Peptides of hCG as a Fertility Control Method,

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Other Non-Federal Research Contracts/Grants (contd)

Department of Obstetrics and Gynecology (V. C. Stevens), 1 July 1985 through 30 June 1986. (Project 760113 - Continuation)

\$15,000.00 - California Institute of Technology, Pasadena, CA, Application of Nonlinear Least Squares Methods to the Analysis of Laboratory Spectra and Solar Spectra, Department of Physics (J. H. Shaw), 1 April 1986 through 31 July 1986. (Project 764155 - Continuation)

\$15,000.00 - World Health Organization, Geneva, Switzerland, Further Uses of the Murine Rotavirus Model: (1) Evaluation of Potential Vaccines and (2) Cell-Mediated Immunological Studies of EDIM Gastroenteritis, Department of Medicine (J. F. Sheridan), 1 April 1986 through 31 March 1987. (Project 764620 - Continuation)

\$14,981.00 - American Lung Association of Ohio, Columbus, OH, Pathogenesis of Non-Pulmonary Organ Failure in the Adult Respiratory Distress Syndrome, Department of Medicine (P. M. Dorinsky), 1 July 1986 through 30 June 1987. (Project 764725 - Continuation)

\$14,952.00 - American Lung Association of Ohio, Columbus, OH, Mechanisms of Lung Injury in the Adult Respiratory Distress Syndrome, Department of Medicine (J. E. Weiland), 1 July 1986 through 30 June 1987. (Project 764738 - Continuation)

\$14,498.00 - Massachusetts State Department of Education, Quincy, MA, Consortium for the Development of Professional Materials for Vocational Education, The National Center for Research in Vocational Education (R. E. Taylor), 1 July 1986 through 30 June 1987. (Project 765403 - Continuation)

\$11,825.00 - Miami University, Oxford, OH, Relationship between Insect Diapause and Cold Hardiness, Department of Entomology (D. L. Denlinger), 1 March 1986 through 31 August 1988. (Project 765336 - Continuation)

\$4,277.16 - North Atlantic Treaty Organization, Brussels, Belgium, High Resolution Infrared Spectroscopy, Department of Physics (K. N. Rao), 28 April 1986 through 27 April 1987. (Project 764094 - Continuation)

\$3,000.00 - Washington Department of Public Instruction, Olympia, WA, National Corrections Education Consortium, The National Center for Research in Vocational Education (R. E. Taylor), 1 January 1986 through 31 December 1986. (Project 765109 - Continuation)

\$1,875.00 - Mississippi State University, Mississippi State, MS, Career Guidance Consortium, The National Center for Research in Vocational Education (R. E. Taylor), 1 October 1985 through 30 September 1986. (Project 765089 - Continuation)

\$500.00 - U.S. Tennis Association, Princeton, NJ, Junior Wheelchair Tennis and Sports Clinic, Recreation and Intramural Activities (M. A. Daniels), 1 May 1986 through 31 August 1986. (Project 765340 - New)

TOTAL - OTHER NON-FEDERAL AWARDS

\$ 864,359.16

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

ENGINEERING EXPERIMENT STATION

State Sponsored Research and Development

\$48,541.00 - Ohio Department of Transportation, Columbus, OH, "Evaluation of Embankments with Synthetic Reinforcements: Design of Field Measurement System," Department of Civil Engineering, 1 June 1986 through 1 December 1987. (529707)

\$2,495.00 - Ohio Department of Transportation, Columbus, OH, "Orientation Course for ODOT Summer Employment," Department of Civil Engineering, 1 April 1986 through 30 June 1986. (529705)

TOTAL - STATE SPONSORED RESEARCH \$ 51,036.00

Industrial and Other Sponsored Research and Development

\$248,949.00 - Additional funding from Battelle Columbus Labs, Columbus, OH, "Evaluate and Test Heat Pump Component Performance," Department of Mechanical Engineering, 1 June 1986 through 1 April 1987. (312858, Ext. 1)

\$54,763.00 - from 35 sponsors of 44 development projects under the direction of four engineering departments or research areas.

\$40,000.00 - AT&T Foundation, New York, NY, "Development of Graduate Courses in Manufacturing Systems and Engineering," Department of Industrial and Systems Engineering, 1 May 1986 through 30 April 1989. (529704)

\$27,200.00 - Additional funding from GE Aircraft Engine Business Group, Cincinnati, OH, "CF-80C2 Engine Test," Department of Aeronautical and Astronautical Engineering, 1 January 1, 1986 through 30 June 1986. (312819, Ext. 5)

\$(20,000.00) - Reduction in funding commitment from Babcock and Wilcox, Alliance, OH, "Selective Flocculation Process," Department of Metallurgical Engineering, Division of Mining. Project completion date remains June 30, 1986. (312840)

\$16,000.00 - Gemini Technologies, Inc., South Bend, IN, "Model Testing," Department of Aeronautical and Astronautical Engineering, 2 May 1986 through 30 June 1986. (312874)

\$14,500.00 - GE Aircraft Engine Business Group, Cincinnati, OH, "Mechanisms of Particulate Inhibitor Oxidation Resistance in Carbon-Carbon Composites," Department of Ceramic Engineering, 1 June 1986 through 31 August 1986. (529708)

\$11,895.00 - Assurance Technical Services, Inc., Columbus, OH, "Testing of Solenoid Valves," Department of Mechanical Engineering, 7 April 1986 through 30 June 1986. (312875)

\$2,553.00 - Copeland Corporation, Sidney, OH, "Laser Welding Development," Department of Welding Engineering, 22 May 1986 through 30 June 1986. (312876)

TOTAL - INDUSTRIAL AND OTHER SPONSORED RESEARCH \$ 395,860.00

July 10 and 11, 1986 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND

Establishment of Named Funds

The Walter H. Kidd Fund

The Walter H. Kidd Fund was established July 11, 1986, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from Walter H. Kidd, Bachelor of Architectural Engineering '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.

The annual income shall be used for the benefit of the College of Engineering for any purpose relating thereto as the Dean of the College of Engineering shall determine.

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 engineering education.

The Charlotte S. Huck Children's
Literature Endowment Fund

The Charlotte S. Huck Children's Literature Endowment Fund was established July 11, 1986, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from alumni and friends of Charlotte S. Huck, Professor, at the time of her retirement.

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 additional gifts shall be added to the fund's principal until such time as the principal reaches \$500,000 and is sufficient to establish THE CHARLOTTE S. HUCK PROFESSORSHIP IN CHILDREN'S LITERATURE. At that time, the annual income shall be used to support the work of a distinguished professor in the area of children's literature. Appointment to the professorship will be recommended by 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 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 children's literature.

Dow Professorship in Chemistry Fund

The Dow Professorship in Chemistry Fund was established July 11, 1986, by the Board of Trustees of The Ohio State University with gifts to The Ohio

July 10 and 11, 1986 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

Establishment of Named Funds (contd)

Dow Professorship in Chemistry Fund (contd)

State University Development Fund from The Dow Chemical Company of Midland, Michigan, 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 and additional gifts shall be added to the fund's principal until such time as the principal reaches \$250,000 and is sufficient to establish THE DOW PROFESSORSHIP IN CHEMISTRY. At that time, the annual income shall be used to provide salary and program support for a distinguished faculty member in the Department of Chemistry. The Dow Professor of Chemistry will teach and conduct research in chemistry related to materials science. Appointment to the professorship will be recommended by the Dean of the College of Mathematical and Physical 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 the recommendations from the appropriate administrative official of the University who is then directly responsible for materials science education.

Robert C. Tumbleson Scholarship Foundation

The Robert C. Tumbleson Scholarship Foundation was established July 11, 1986, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from the estate of Ruth L. Tumbleson, B.S.Bus.Adm. '31, in memory of her husband, Robert C. Tumbleson, B.A., Mathematics '34.

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 shall be used for scholarship awards to worthy students in the Department of Mathematics in the College of Mathematical and Physical Sciences. Selection of the award recipients shall be made by the University Committee on Student Financial Aid from nominees submitted by the Chairperson in the Department of Mathematics in consultation with the Dean of the College of Mathematical and Physical 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 the recommendations from the appropriate administrative official of the University who is then directly responsible for the teaching of mathematics at the University.

July 10 and 11, 1986 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. B. and T. T. Stout Agricultural Economics
Scholarship Fund**

The W. B. and T. T. Stout Agricultural Economics Scholarship Fund was established July 11, 1986, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from Mrs. Maude Taylor Stout, B.S., Soc. Administration '23; Dr. Whitney B. Stout, B.S.Agr.E. '22, M.S., Agricultural Economics '28, Ph.D., Agricultural Economics '30, and a member of the faculty from 1930 to 1931; and Dr. Thomas T. Stout, B.S., Agronomy '52, M.S., Agricultural Economics '53, Ph.D., Agricultural Economics '56, and a member of the faculty from 1961 to the present.

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 shall be used to provide one or more scholarships for students who have declared Agricultural Economics as their major course of study and who have demonstrated above average academic performance and/or need for financial assistance. The selection of the recipient(s) is to be made upon the recommendation of the Dean of the College of Agriculture in cooperation with the Chairperson of the Department of Agriculture Economics and the University Committee on Student Financial Aid. For as long as Dr. T. T. Stout is an active member of the faculty of The Ohio State University, the awards shall be known as the W. B. Stout Scholarship. Upon Dr. T. T. Stout's retirement, or his written instruction, the name of this award shall be changed to reflect the broader base of contributions to this fund by the Stout Family. At that time an additional annual award shall be established to support research and graduate study in Agricultural Marketing. Any annual income not spent shall be returned to the principal of this endowment. Should the discipline of Agricultural Economics ever be administratively combined with Economics or any other academic unit at The Ohio State University, this award shall be restricted to those students who are specializing in the study of Agricultural Economics and the recipients shall be selected under the criteria outlined above.

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 Agricultural Economics.

The H. M. "Pete" and Velma V. Everhart Fund

The H. M. "Pete" and Velma V. Everhart Fund was established July 11, 1986, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from H. M. "Pete" Everhart, B.S.Agr. '38, and Velma V. Everhart, B.S.H.E. '38, M.S., Home Economics '54, of Circleville, 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

July 10 and 11, 1986 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 H. M. "Pete" and Velma V. Everhart Fund (contd)

State University, with the right to invest and reinvest as occasion dictates.

One-half of the annual income shall be used to support the College of Agriculture Livestock Judging Team. The other one-half of the annual income shall be used to provide a scholarship for an undergraduate student in the Department of Family Resource Management, College of Home Economics. Preference will be given to students with an interest in home furnishings or housing. Second preference will be given to a member of Phi Upsilon Omicron.

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 Dean of the College of Home Economics and the Dean of the College of Agriculture.

**The William A. Behnke Associates, Inc.,
Minority Scholarship**

The William A. Behnke Associates, Inc., Minority Scholarship was established July 11, 1986, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from William A. Behnke, B.Land.Arch. '51, 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 shall be used to fund The William A. Behnke Associates, Inc., Minority Scholarship. The award shall be restricted to either students enrolled in Landscape Architecture or high school seniors who plan to major in Landscape Architecture at The Ohio State University and are representative of officially recognized minority groups. The scholarship, when awarded, shall be granted to individuals who have at least one additional year of academic work to complete. William A. Behnke Associates, Inc., will be offered the opportunity of representation on the selection committee each year. In special cases, the award can be renewed.

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 teaching of landscape architecture at the University.

**The Dr. Harry E. Goldstein Scholarship Fund
for Veterinary Medicine**

The Dr. Harry E. Goldstein Scholarship Fund for Veterinary Medicine was established July 11, 1986, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from

July 10 and 11, 1986 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 Dr. Harry E. Goldstein Scholarship Fund
for Veterinary Medicine (contd)**

friends and colleagues of Dr. Harry E. Goldstein, D.V.M. '46.

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 shall be used to provide scholarship funds to students in the College of Veterinary Medicine. Selection of the award recipients shall be made by the University Committee on Student Financial Aid and approved by the Dean of the College of Veterinary 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 the recommendations from the appropriate administrative official of the University who is then directly responsible for the teaching of veterinary medicine at the University.

**Allen County Ohio State University Association -
The Ohio State University at Lima Scholarship Endowment Fund**

The Allen County Ohio State University Association - The Ohio State University at Lima Scholarship Endowment Fund was established July 11, 1986, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from the Allen County Ohio State University Alumni Club.

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 shall be used to provide one or more scholarships to students of academic merit who reside in Allen County and attend The Ohio State University at Lima. Selection of the recipient(s) shall be made by the Dean and Director of The Ohio State University at Lima with recommendations by the Financial Aids Officer and the Allen County Ohio State University Alumni Club Scholarship Committee in cooperation with 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 Board of Trustees, with preference being given to the recommendations from the appropriate administrative official of the University who is then directly responsible for OSU Lima.

Department of Architecture Library Endowment Fund

The Department of Architecture Library Endowment Fund was established July 11, 1986, by the Board of Trustees of The Ohio State University with gifts

July 10 and 11, 1986 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

Establishment of Named Funds (contd)

Department of Architecture Library Endowment Fund (contd)

to The Ohio State University Development Fund from the family, staff and friends of the Department of Architecture.

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 shall be used for the purchase of books on architecture, in support of the School of Architecture's library collection. Selections will be determined jointly with the departmental library committee and/or the Architecture Department Chairperson and the Architecture Librarian. The University Libraries will be responsible for the encumbrance and expenditures of the fund's annual income. The fund shall be administered according to policies agreed upon by the University Libraries and the Department of Architecture.

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 architecture library collection.

**Charles B. Boyles Memorial Scholarship Fund
in Animal Science**

The Charles B. Boyles Memorial Scholarship Fund in Animal Science was established July 11, 1986, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from relatives and friends of the late Charles B. Boyles.

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 shall be used to provide scholarships for students from Ohio and adjoining states (with preference to students from Ohio and West Virginia) who have been admitted to their freshman year of study in Animal Science. The amount of each award in any one year is to be determined by the Department of Animal Science Scholarship Committee in consultation with the University Committee on Student Financial Aid. An appropriate sum of the annual income may be utilized in support of a luncheon or dinner for Mrs. Charles B. Boyles and/or her family representative to meet with scholarship recipients. Criteria for the selection of recipients shall include those qualities which were so admirably demonstrated by Charles Boyles throughout his life: integrity, morality, service to his fellow man, high scholarship, and steadfast dedication to the livestock industry. Students selected for a Charles B. Boyles Freshman Scholarship may be provided a similar award for their sophomore year of studies provided their academic and extra-curricular activity records during their freshman year are sufficiently meritorious to warrant such consideration.

July 10 and 11, 1986 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

Establishment of Named Funds (contd)

**Charles B. Boyles Memorial Scholarship Fund
in Animal Science (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 teaching of animal science at the University.

The Erie County 4-H Fund

The Erie County 4-H Fund was established July 11, 1986, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from the Erie County 4-H Committee and other friends of the Erie County 4-H 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 annual income shall be used to support the Erie County 4-H Program. This support may include, but is not limited to, the funding of scholarships and awards for 4-H members, volunteer leaders and friends of 4-H; sponsoring seminars and programs; and purchasing material or services that will supplement 4-H programming or increase the visibility and public support for 4-H in Erie County. All expenditures from this fund shall be approved by the Erie County 4-H 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 the Ohio Cooperative Extension Service.

**The L.P. McCann Memorial Scholarship Award
In Animal Science**

The L.P. McCann Memorial Scholarship Award in Animal Science was established July 11, 1986, 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 L.P. McCann, B.S.Agr. '15.

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 shall be used to provide scholarships for students who have been admitted as freshmen for the study of Animal Science with intended career in research, education, farming, ranching, or other type of business or industry associated with beef cattle. Preference will be given to

July 10 and 11, 1986 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 L.P. McCann Memorial Scholarship Award
In Animal Science (contd)

students who have background and/or experience working with the Hereford breed of cattle. Scholarships may be awarded for the sophomore or junior years if a student makes an unusually strong contribution to activities of the Saddle and Sirloin Club while at the same time maintaining a 3.0, or better, grade point average throughout his/her previous year(s) at Ohio State. Determination of the amount and number of award(s) to be presented annually shall be made by the Scholarship Committee of the Department of Animal Science in consultation with the Assistant Dean for Student Affairs in the College of Agriculture and the University Committee on Student Financial Aid. An appropriate sum of the annual income may be utilized to defray the cost of a luncheon or dinner to which a member, or members, of the Leo P. McCann family may be invited, and for purchase of mementos to be presented to each scholarship 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 the recommendations from the appropriate administrative official of the University who is then directly responsible for the teaching of animal science at the University.

The Earl J. Mickle Memorial Fund

The Earl J. Mickle Memorial Fund was established July 11, 1986, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from family and friends in memory of Earl J. Mickle, Professor Emeritus of Mathematics, College of Mathematical and Physical Sciences, M.A., Mathematics '39; Ph.D., Mathematics '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 shall be used to provide merit-based scholarship and/or fellowship awards to students enrolled in the College of Mathematical and Physical Sciences. Selection of the mathematic major award recipients shall be made by the Chairperson of the Department of Mathematics in consultation with the Dean of the College of Mathematical and Physical Sciences and 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 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 teaching of mathematics at the University.

July 10 and 11, 1986 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 Ohio State University at Lima
Faculty and Staff Development Fund

The Ohio State University at Lima Faculty and Staff Development Fund was established July 11, 1986, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from the faculty and staff of The Ohio State University at Lima.

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 shall be used for the development of the faculty and staff of The Ohio State University at Lima. Disbursement of funds and selection of projects and programs shall be at the discretion of the Dean and Director of The Ohio State University at Lima with recommendations by the faculty and staff.

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 OSU Lima.

The Ohio State University at Lima
Faculty and Staff Scholarship Fund

The Ohio State University at Lima Faculty and Staff Scholarship Fund was established July 11, 1986, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from the faculty and staff of The Ohio State University at Lima.

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 shall be used to provide one or more scholarships to students displaying academic excellence who attend The Ohio State University at Lima. Selection of the recipient(s) shall be made by the Dean and Director of The Ohio State University at Lima with recommendations by the Financial Aids Officer and the faculty and staff of OSU Lima.

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 OSU Lima.

July 10 and 11, 1986 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 Presutti Dance Fund

The Presutti Dance Fund was established April 4, 1986, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from Dr. John R. (B.S., Biological Sciences '56, M.D. '60) and Mrs. Janet P. Madison (B.S.Ed. '58, M.A., Physical Education '65), in memory of Mrs. Lucy E. Presutti. The description was changed July 11, 1986.

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 shall be used at the discretion of the Chairperson of the Department of Dance in consultation with 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 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 academic programs in Dance.

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**EMPLOYMENT OF ARCHITECTS/ENGINEERS AND
REQUEST FOR CONSTRUCTION BIDS
PROJECTS FUNDED BY SUBSTITUTE HOUSE BILL 870**

Resolution No. 87-11

Synopsis: Authorization to employ architectural/engineering firms and request construction bids for projects approved for The Ohio State University in Substitute House Bill 870 is proposed.

WHEREAS Substitute House Bill 870 (the 1986-88 capital appropriations bill), enacted by the 116th General Assembly, includes funds for several projects for The Ohio State University Columbus Campus and Regional Campuses; and

WHEREAS the following projects for The Ohio State University currently are planned from funds included in this capital appropriations bill:

LINE ITEM PROJECTS

Brown Hall Annex Replacement

Hamilton Hall Renovation (Construction only; planning funds in the amount of \$400,000 were previously appropriated in Amended Substitute H. B. 552)

Northwood School

Pike County Agricultural Research and Extension Education Center

Sullivant Hall Renovation

July 10 and 11, 1986 meeting, Board of Trustees

**EMPLOYMENT OF ARCHITECTS/ENGINEERS AND
REQUEST FOR CONSTRUCTION BIDS
PROJECTS FUNDED BY SUBSTITUTE HOUSE BILL 870 (contd)**

UTILITIES AND RENOVATION PROJECTS

Agriculture Facilities Renovation
Campbell Hall Laboratory Remodeling
Classroom Renovation
Electrical Distribution System Improvements
Enarson Hall Electrical System (formerly Student Services Building)
Hitchcock Hall Air Handling System
Johnston Laboratory Renovation
Journalism Building Renovation
Kottman Hall - Biotechnology Laboratory Remodeling
Larkins Hall Renovation
Lord/Hopkins Hall Improvements
Newton Hall Renovation
PCB Transformer Replacements
Postle Hall Renovations
Poultry Science Sanitary Sewer
Pressey Hall Remodeling - Phase I
Put-in-Bay Campus Facilities Improvements
Regional Campus Improvements (Mansfield, Lima, Newark, Marion)
Robinson Laboratory Renovation
Robinson Laboratory Roof Replacement
Storm/Sanitary Sewer Separation (Planning only)
Street Improvements
Veterinary Hospital Improvements
Veterinary Hospital, Upgrading Lab Animal Facilities Renovation

NOW THEREFORE

BE IT RESOLVED, That the President and/or Vice President for Business and Administration be authorized to select qualified architectural/engineering firms for these projects in conjunction with the Department of Administrative Services, and that the fees for these services be negotiated between the firms selected and the Department of Administrative Services, Division of Public Works; and

BE IT FURTHER RESOLVED, That the President and/or Vice President for Business and Administration be authorized 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.

Upon motion of Mr. Teaford, seconded by Mr. Immke, 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
BIOTECHNOLOGY CENTER - PHASE I RIGHTMIRE HALL**

Resolution No. 87-12

Synopsis: Authorization to employ an architectural/engineering firm and request construction bids is proposed.

July 10 and 11, 1986 meeting, Board of Trustees

**EMPLOYMENT OF ARCHITECT/ENGINEER AND
REQUEST FOR CONSTRUCTION BIDS
BIOTECHNOLOGY CENTER - PHASE I RIGHTMIRE HALL (contd)**

WHEREAS a major Biotechnology Center will be established at The Ohio State University; and

WHEREAS Phase I of this project involves remodeling a portion of the second floor of Rightmire Hall to provide office and administrative space, research laboratory space, and spaces for certain research laboratory services critical to the initial establishment of the Center; and

WHEREAS \$850,000.00 will be made available from University funds for Phase I of this project, of which \$680,000.00 is estimated for construction:

NOW THEREFORE

BE IT RESOLVED, That the President and/or Vice President for Business and Administration be authorized to select a qualified architectural/engineering firm for this project in conjunction with the Department of Administrative Services, and that the fees for this architectural/engineering service be negotiated between the firm selected and the Department of Administrative Services, Division of Public Works.

BE IT FURTHER RESOLVED, That the President and/or Vice President for Business and Administration 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 contracts with all actions to be reported to this Board at the appropriate time.

Upon motion of Ms. Casto, seconded by Mr. Barone, 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
OARDC SUPPORT FACILITIES - BARN REPLACEMENT
THE OHIO AGRICULTURAL RESEARCH AND DEVELOPMENT CENTER**

Resolution No. 87-13

Synopsis: Authorization to employ an architectural/engineering firm and request construction bids is proposed.

WHEREAS this project involves the replacement of a two-story bank barn, attached sheds, and contents lost in a barn fire at OARDC property in Wooster, Ohio, in November 1985; and

WHEREAS the major elements of this replacement include storage buildings, a sheep housing building, a new silo, a 15-ton capacity feed storage bin, equipment repair and replacement, and a clean-up of the fire site; and

WHEREAS \$500,000.00 will be made available from insurance proceeds and University funds for this project, of which \$419,000.00 is estimated for construction:

NOW THEREFORE

July 10 and 11, 1986 meeting, Board of Trustees

**EMPLOYMENT OF ARCHITECT/ENGINEER AND
REQUEST FOR CONSTRUCTION BIDS
OARDC SUPPORT FACILITIES - BARN REPLACEMENT
THE OHIO AGRICULTURAL RESEARCH AND DEVELOPMENT CENTER (contd)**

BE IT RESOLVED, That the President and/or Vice President for Business and Administration be authorized to select a qualified architectural/engineering firm for this project in conjunction with established University procedures.

BE IT FURTHER RESOLVED, That the President and/or Vice President for Business and Administration be authorized to request construction bids on this project in accordance with established University procedures, and if satisfactory bids are received, to award construction contracts with all actions to be reported to this Board at the appropriate time.

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

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**REQUEST FOR CONSTRUCTION BIDS AND
ESTIMATE OF COST-FUNDING
HITCHCOCK HALL - AIR SYSTEM MODIFICATIONS**

Resolution No. 87-14

Synopsis: Authorization to request construction bids is proposed.

WHEREAS the plans and specifications for this project have been completed and reviewed by the appropriate administrative officials, it is the recommendation of the President that the Board of Trustees authorize the request for construction bids.

Project: Modification of existing air handling system in the second floor, front portion of Hitchcock Hall to provide energy efficiency, and eliminate extensive repairs and excessive equipment operation.

A portion of Substitute House Bill 870 includes a project entitled "Hitchcock Hall - Air Handling System." That project will provide for the installation of an air conditioning system to the second floor rear section of Hitchcock Hall which currently has no air conditioning.

Funding: University Funds (B/A 210134)

Estimated Construction Cost: \$165,000.00

Estimated Project Cost: \$180,000.00

NOW THEREFORE

BE IT RESOLVED, That the plans and specifications, bills of materials and estimates of cost be approved, that the President and/or Vice President for Business and Administration be authorized to request construction bids on this project for The Ohio State University in accordance with established

July 10 and 11, 1986 meeting, Board of Trustees

**REQUEST FOR CONSTRUCTION BIDS AND
ESTIMATE OF COST-FUNDING
HITCHCOCK HALL - AIR SYSTEM MODIFICATIONS (contd)**

University procedures, and if satisfactory bids are received to award construction contracts with all actions to be reported to this Board at the appropriate time.

Upon motion of Ms. Gasto, seconded by Mr. Redman, 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. 87-15

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:

MULTI-SPORT COMPLEX

Description: This project provides for the expansion of the Biggs Athletic Training Facility to approximately double its present size. This will include an all weather multi-sport practice facility, improved and expanded locker rooms, shower rooms, coaches' rooms, training room, doctors' examining rooms, meeting rooms, a new improved weight room and an equipment issue room. Construction is scheduled to begin in August 1986 and be completed in September 1987.

General Contract

Date Received:	June 11, 1986
No. of Bids:	6
Low Bid:	\$ 7,074,000.00*+
High Bid:	\$ 7,718,300.00*
Estimate of Cost:	\$ 6,181,147.00*
Awarded to:	Peterson Construction, Wapakoneta, OH

*Recommended alternates reflected in these figures.

+General Contract is in excess of filed estimate of cost; however, the total price of all contracts is within 10% of the total estimate of cost and is recommended for award as provided by Section 153.12 of the Revised Code.

July 10 and 11, 1986 meeting, Board of Trustees

REPORT OF AWARD OF CONTRACTS AND
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)

MULTI-SPORT COMPLEX (contd)

Plumbing Contract

Date Received:	June 11, 1986
No. of Bids:	5
Low Bid:	\$ 230,053.00*
High Bid:	\$ 312,900.00*
Estimate of Cost:	\$ 280,295.00*
Awarded to:	ATF Sheet Metal, Columbus, OH

HVAC Contract

Date Received:	June 11, 1986
No. of Bids:	6
Low Bid:	\$ 1,260,277.00*
High Bid:	\$ 1,501,800.00*
Estimate of Cost:	\$ 1,587,030.00*
Awarded to:	ATF Sheet Metal, Columbus, OH

Electric Contract

Date Received:	June 11, 1986
No. of Bids:	6
Low Bid:	\$ 621,800.00*
High Bid:	\$ 834,000.00*
Estimate of Cost:	\$ 768,451.00*
Awarded to:	Buckeye Electric, Dayton, OH

Fire Protection Contract

Date Received:	June 11, 1986
No. of Bids:	3
Low Bid:	\$ 72,592.00
High Bid:	\$ 93,327.00
Estimate of Cost:	\$ 108,100.00

*Recommended alternates reflected in these figures.

July 10 and 11, 1986 meeting, Board of Trustees

REPORT OF AWARD OF CONTRACTS AND
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)

MULTI-SPORT COMPLEX (contd)

Fire Protection Contract (contd)

Awarded to:	Capital Fire Protection Co., Columbus, OH
Total All Contracts:	\$ 9,258,722.00*
Total Contingency Allowance:	\$ 242,107.40 (which is 3 percent of construction cost)
Total Project Cost:	\$10,600,000.00*
Funding:	University Funds

*Recommended alternates reflected in these figures.

NEW AGRONOMY FARM PHASE III - SERVICE BUILDINGS
THE OHIO AGRICULTURAL RESEARCH AND DEVELOPMENT CENTER

Description: This portion of the project involves the construction of a pole-type building, and a service building at Wooster, Ohio. The pole-type building will provide storage space for farm machinery and agronomy supplies used in the operation of the farm, and the service building will provide a farm office and work shop area together with processing areas for various types of agronomy research. Construction is scheduled to begin July 1986 and is expected to be completed in the spring of 1987.

General Contract

Date Received:	May 7, 1986
Low Bid:	\$ 298,160.00*
High Bid:	\$ 368,580.00*
Estimate of Cost:	\$ 364,748.00*
Awarded to:	Ben D. Imhoff Inc., Orrville, OH

Plumbing Contract

Date Received:	May 7, 1986
No. of Bids:	4
Low Bid:	\$ 31,272.00*
High Bid:	\$ 42,323.00*
Estimate of Cost:	\$ 43,500.00*
Awarded to:	Schmid Plumbing & Heating, Wooster, OH

*Recommended alternates reflected in these figures.

July 10 and 11, 1986 meeting, Board of Trustees

REPORT OF AWARD OF CONTRACTS AND
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)

NEW AGRONOMY FARM PHASE III - SERVICE BUILDINGS
THE OHIO AGRICULTURAL RESEARCH AND DEVELOPMENT CENTER (contd)

HVAC Contract

Date Received: May 7, 1986
No. of Bids: 2
Low Bid: \$ 13,890.00
High Bid: \$ 18,748.00
Estimate of Cost: \$ 21,935.00
Awarded to: Guenther Plumbing & Heating, Ashland, OH

Electric Contract

Date Received: May 7, 1986
No. of Bids: 5
Low Bid: \$ 34,525.00*
High Bid: \$ 56,100.00*
Estimate of Cost: \$ 46,220.00*
Awarded to: Dalrymple Construction Co., Wooster, OH

Submersible Pump Contract

Date Received: May 7, 1986
No. of Bids: 2
Low Bid: \$ 14,125.00
High Bid: \$ 16,496.00
Estimate of Cost: \$ 15,660.00
Awarded to: Frontz Drilling Co., Wooster, OH

Total All Contracts: \$391,972.00*

Total Contingency Allowance: \$ 19,849.15 (which is 5 percent of construction costs)

Total Project Cost: \$420,500.00*

Funding: S.B. 381

*Recommended alternates reflected in these figures.

July 10 and 11, 1986 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)**

CLASSROOM IMPROVEMENTS - PHASE IV

Description: This project continues the program of upgrading classrooms and lecture halls, including improved lighting, audio/visual systems, television monitors, new chalkboards, and general refurbishing. The buildings involved in this phase are Smith Laboratory, Evans Laboratory, and Ramseyer Hall. Construction is scheduled to begin August 1986 and expected to be completed in the Spring of 1987.

General Contract

Date Received:	June 3, 1986
No. of Bids:	2
Low Bid:	\$117,355.00
High Bid:	\$132,960.00
Estimate of Cost:	\$194,125.00
Awarded to:	Functional Development Inc., Worthington, OH

HVAC/Plumbing Contract

Date Received:	June 3, 1986
No. of Bids:	3
Low Bid:	\$ 21,300.00
High Bid:	\$ 28,626.00
Estimate of Cost:	\$ 24,550.00
Awarded to:	Radico, Inc., Columbus, OH

Electric Contract

Date Received:	June 3, 1986
No. of Bids:	2
Low Bid:	\$102,515.00+
High Bid:	\$104,787.00
Estimate of Cost:	\$ 74,250.00
Awarded to:	States Electric Co., Columbus, OH

+Electric Contract is in excess of filed estimate of cost; however, the total price of all contracts is within 10% of the total estimate of cost and is recommended for award as provided by Section 153.12 of the Revised Code.

July 10 and 11, 1986 meeting, Board of Trustees

REPORT OF AWARD OF CONTRACTS AND
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)

CLASSROOM IMPROVEMENTS - PHASE IV (contd)

Total All Contracts:	\$241,170.00
Total Contingency Allowance:	\$ 18,419.24 (which is 7.6 percent of construction costs)
Total Project Cost:	\$325,000.00
Funding:	H.B. 798

CIVIL AND AERONAUTICAL ENGINEERING BUILDING
COMPUTER LABORATORY REMODELING

Description: This remodeling project will provide more efficient utilization of space and incorporate a new computer learning laboratory with approximately 100 computer stations. Construction is expected to begin in August 1986 and be completed in February 1987.

General Contract

Date Received:	June 10, 1986
No. of Bids:	5
Low Bid:	\$ 75,299.00*
High Bid:	\$ 92,500.00*
Estimate of Cost:	\$ 90,570.00*
Awarded to:	Ed Ross Construction Co., Westerville, OH

HVAC/Plumbing Contract

Date Received:	June 10, 1986
No. of Bids:	3
Low Bid:	\$ 57,400.00*
High Bid:	\$ 67,100.00*
Estimate of Cost:	\$126,430.00*
Awarded to:	Farber Corporation, Columbus, OH

Electric Contract

Date Received:	June 10, 1986
No. of Bids:	3

*Recommended alternates reflected in these figures.

July 10 and 11, 1986 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)**

**CIVIL AND AERONAUTICAL ENGINEERING BUILDING
COMPUTER LABORATORY REMODELING (contd)**

Electric Contract (contd)

Low Bid:	\$ 77,352.00*+
High Bid:	\$ 99,348.00*
Estimate of Cost:	\$ 68,000.00*
Awarded to:	B. S. Contractors, Inc., Columbus, OH
Total All Contracts:	\$210,051.00*
Total Contingency Allowance:	\$ 17,147.98 (which is 8 percent of construction costs)
Total Project Cost:	\$268,000.00*
Funding:	H.B. 798

*Recommended alternates reflected in these figures.

+Electric Contract is in excess of filed estimate of cost; however, the total price of all contracts is within 10% of the total estimate of cost and is recommended for award as provided by Section 153.12 of the Revised Code.

BIOLOGICAL SCIENCES BUILDING - ROOF REPLACEMENT

Description: This project provides for the replacement of the old, deteriorated roof with a new roof system. Construction is scheduled to begin in August 1986 and be completed within ninety days.

General Contract

Date Received:	June 17, 1986
No. of Bids:	4
Low Bid:	\$125,776.00
High Bid:	\$299,177.00
Estimate of Cost:	\$123,000.00
Awarded to:	Industrial First/Bright Co., Columbus, OH
Total All Contracts:	\$125,776.00
Total Contingency Allowance:	\$ 10,074.00 (which is 8 percent of construction costs)
Total Project Cost:	\$137,350.00
Funding:	University Funds (B/A 210134)

July 10 and 11, 1986 meeting, Board of Trustees

REPORT OF AWARD OF CONTRACTS AND
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)

DOAN HALL, SEVENTH FLOOR WEST - NURSERY RENOVATION

Description: This project provides for the remodeling of an area on the seventh floor of Doan Hall to accommodate 14 rooming-in obstetrical patients and a 16 bassinet nursery with adjacent utility services. Construction is scheduled to begin in August 1986 and is expected to be completed in February 1987.

General Contract

Date Received:	June 10, 1986
No. of Bids:	3
Low Bid:	\$54,289.00*
High Bid:	\$65,381.00*
Estimate of Cost:	\$61,077.00*
Awarded to:	Ed Ross Construction, Westerville, OH

Plumbing Contract

Date Received:	June 10, 1986
No. of Bids:	4
Low Bid:	\$18,950.00
High Bid:	\$34,000.00
Estimate of Cost:	\$36,516.00
Awarded to:	Rayco Mechanical, Lancaster, OH

HVAC Contract

Date Received:	June 10, 1986
No. of Bids:	3
Low Bid:	\$19,000.00
High Bid:	\$19,900.00
Estimate of Cost:	\$19,000.00
Awarded to:	Radico, Inc., Columbus, OH

Electric Contract

Date Received:	June 10, 1986
No. of Bids:	2

*Recommended alternates reflected in these figures.

July 10 and 11, 1986 meeting, Board of Trustees

REPORT OF AWARD OF CONTRACTS AND
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)

DOAN HALL, SEVENTH FLOOR WEST - NURSERY RENOVATION (contd)

Electric Contract (contd)

Low Bid: \$ 12,031.00

High Bid: \$ 12,173.00

Estimate of Cost: \$ 18,500.00

Awarded to: States Electric, Columbus, OH

Total All Contracts: \$104,270.00*

Total Contingency Allowance: \$ 9,278.10 (which is 8.8 percent of construction costs)

Total Project Cost: \$125,000.00*

Funding: University Hospitals Funds

*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 projects listed above are hereby approved.

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

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PURCHASE OF REAL PROPERTY
228-230 and 234 WEST TENTH AVENUE
COLUMBUS, OHIO

Resolution No. 87-16

Synopsis: Purchase of real property at 228-230 and 234 West Tenth Avenue in Columbus, Ohio, is proposed.

WHEREAS The Ohio State University has been presented with an opportunity to purchase two adjoining lots comprising 0.33 acres at 228-230 and 234 West Tenth Avenue in Columbus, Ohio; and

WHEREAS this property has an appraised value of \$136,000.00, and the owners, Mr. and Mrs. Albert J. DeSantis of Columbus, Ohio, have offered to sell the property to the University at a price of \$137,000.00; and

WHEREAS this property is located within the south campus acquisition boundary of the University's Master Plan, and the acquisition of this property will enable the University to improve access to the Eleventh Avenue Parking Ramp and provide additional parking in the south campus area; and

July 10 and 11, 1986 meeting, Board of Trustees

**PURCHASE OF REAL PROPERTY
228-230 and 234 WEST TENTH AVENUE
COLUMBUS, OHIO (contd)**

WHEREAS the appropriate University officers have determined that the purchase of this property is in the best interest of the University; and

WHEREAS funds for the purchase of this property will be provided from University funds resulting from the previous sale of south campus properties outside the acquisition boundary:

NOW THEREFORE

BE IT RESOLVED, That the President and/or Vice President for Business and Administration be authorized to take such action necessary to purchase, in the name of the State of Ohio for the use of The Ohio State University, the real property located at 228-230 and 234 West Tenth Avenue at a price not to exceed \$137,000.00 and upon such terms and conditions as are deemed to be in the best interest of the University, subject to the University receiving the necessary approvals from the Ohio Board of Regents and the State Controlling Board.

Upon motion of Mr. Teaford, seconded by Ms. Casto, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**LEASE AND DEVELOPMENT OF LAND
CHILD CARE CENTER
ACKERMAN ROAD, COLUMBUS, OHIO**

Resolution No. 87-17

Synopsis: Lease of land on Ackerman Road for the construction and leaseback of a Child Care Center is proposed.

WHEREAS there is a need to construct a new building, with access roads, a playground, and a parking area, to house the University's Child Care Program on the campus and meet the program's present and anticipated space needs; and

WHEREAS on February 7, 1986, the Board of Trustees authorized the University to solicit competitive proposals for the development of this facility, whereby the University would lease land to a developer for the construction and leaseback of a 33,000 square foot building designed to meet the needs of up to 300 children aged 2 months to 5 years, with additional outdoor playground space, food service facilities, and administrative support areas, with title to these facilities to pass to the University at the expiration of an 18-year lease; and

WHEREAS based on the proposals received, the University is negotiating a lease agreement with Taggart, Marryott, Reardon Company/Target Construction Company Leadership Group, Inc., (TMR/Target), and its assignee, under which TMR/Target will develop, construct, finance by certificates of participation, and lease back to the University this facility; and

WHEREAS the appropriate University offices are in agreement as to the desirability of the lease and development of land for this purpose:

NOW THEREFORE

July 10 and 11, 1986 meeting, Board of Trustees

**LEASE AND DEVELOPMENT OF LAND
CHILD CARE CENTER
ACKERMAN ROAD, COLUMBUS, OHIO (contd)**

BE IT RESOLVED, That the President and/or Vice President for Business and Administration be authorized to negotiate the terms of the proposed lease of land to, and the subsequent leaseback of the Child Care Center from, TMR/Target, and/or its assignee and to develop and execute the necessary legal instruments for the lease of land, and the subsequent leaseback of this facility, and such other documents as are necessary or desirable to facilitate this transaction and the financing contemplated thereby.

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

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**LEASE AND DEVELOPMENT OF LAND
STORES AND RECEIVING FACILITY
KENNY ROAD, COLUMBUS, OHIO**

Resolution No. 87-18

Synopsis: Lease of land on Kenny Road for the construction and leaseback of a Stores and Receiving Facility is proposed.

WHEREAS there is a need for the construction of a new facility to house the University's present Stores and Receiving Department, to be located north of the existing Service Building Annex in the University Services Center on Kenny Road; and

WHEREAS this facility will contain a receiving dock and enclosed shipping dock, a service counter for on-campus customers, a short-term parking area for customers, sales representatives, maintenance and service personnel, and other visitors, and storage capacity for over 4,000 different stock items used by the University; and

WHEREAS on February 7, 1986, the Board of Trustees authorized the University to solicit competitive proposals for the development of the facility, whereby the University would lease land to a developer for the construction and leaseback of a Stores and Receiving Facility of approximately 100,000 square feet, with title to these facilities to pass to the University at the expiration of an 18-year lease; and

WHEREAS based on the proposals received, the University is negotiating a lease agreement with DBS Development Company, and its assignee, under which DBS Development Company will develop, construct, finance through certificates of participation, and lease back to the University this facility; and

WHEREAS the appropriate University offices are in agreement as to the desirability of the lease and development of land for this purpose:

NOW THEREFORE

BE IT RESOLVED, That the President and/or Vice President for Business and Administration be authorized to negotiate the terms of the proposed lease of land to, and the subsequent leaseback of the Stores and Receiving Facility from, DBS Development Company, and/or its assignee, and to develop and

July 10 and 11, 1986 meeting, Board of Trustees

**LEASE AND DEVELOPMENT OF LAND
STORES AND RECEIVING FACILITY
KENNY ROAD, COLUMBUS, OHIO (contd)**

execute the necessary legal instruments for the lease of land, the subsequent leaseback of this facility, and such other instruments as are necessary or desirable to facilitate this transaction and the financing contemplated thereby.

Upon motion of Ms. Casto, seconded by Mr. Barone, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**EASEMENT
OHIO POWER COMPANY
LIMA REGIONAL CAMPUS**

Resolution No. 87-19

Synopsis: Renewal of an electric service easement to the Ohio Power Company on the Lima Regional Campus is proposed.

WHEREAS in 1970 the University granted to the Ohio Power Company a 15-year easement consisting of a strip of land 15 feet in width and 5,000 feet in a southerly direction and 5,400 feet in a westerly direction for the purpose of maintaining electric service; and

WHEREAS this easement has expired and the Ohio Power Company has requested a renewal of the easement for a period of 15 years; and

WHEREAS the electric service easement will serve only University property; and

WHEREAS the appropriate University offices have recommended the renewal of this easement:

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 this easement.

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

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**EASEMENT
BUCKEYE PIPELINE COMPANY
LIMA REGIONAL CAMPUS**

Resolution No. 87-20

Synopsis: Renewal of a gas pipeline easement on the Lima Regional Campus is proposed.

WHEREAS in 1970 the University granted to Buckeye Pipeline Company a 15-year

July 10 and 11, 1986 meeting, Board of Trustees

**EASEMENT
BUCKEYE PIPELINE COMPANY
LIMA REGIONAL CAMPUS (contd)**

easement consisting of a strip of land 60 feet in width and approximately 2,365 feet in length for the purpose of maintaining a gas pipeline; and

WHEREAS this easement has expired and Buckeye Pipeline Company has requested a 15-year renewal of the easement for continued maintenance of the gas lines; and

WHEREAS this easement will serve both University property and others and the University will receive a fee of \$2,946 for this easement; and

WHEREAS the appropriate University offices have recommended the renewal of this easement:

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 this easement.

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

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**COMPLIANCE WITH REGULATIONS OF THE
OHIO PUBLIC FACILITIES COMMISSION**

Resolution No. 87-21

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 Substitute House Bill 870 enacted by the 116th 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:

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

July 10 and 11, 1986 meeting, Board of Trustees

**COMPLIANCE WITH REGULATIONS OF THE
OHIO PUBLIC FACILITIES COMMISSION (contd)**

to the appropriations made under Section 8 of Substitute House Bill 870 enacted by the 116th 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. Redman, seconded by Ms. Casto, 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 1986 A, OF THE OHIO STATE UNIVERSITY**

Resolution No. 87-22

Synopsis: Providing for the authorization, issuance and sale of General Receipts Bonds, Series 1986 A (the "Series 1986 A Bonds"), in a principal amount determined as provided herein, for the purpose of paying or reimbursing costs of (i) construction, including remodeling of existing facilities, to provide a multi-sport athletic complex, including lighting, drainage, utility, and parking facilities; (ii) renovation and modernization of the Ohio Stadium dormitory; (iii) renovation and modernization of the Buckeye Village student housing facility, including the construction of support buildings and roadway and parking improvements; (iv) construction of a two-story addition to Doan Hall of University Hospitals and renovation of various hospital areas for medical logistical services; (v) construction of a four-floor addition to and the remodeling of Doan Hall of University Hospitals for clinical medical services; (vi) re-equipping the cardiac catheterization lab of University Hospitals; and (vii) construction of a multi-level, multi-building center for visual arts, including utility, driveway and other related site improvements (collectively, the "1986 Project"), funding the Bond Reserve Fund, paying certain Capitalized Interest and paying costs and expenses associated with the issuance of the Series 1986 A Bonds, authorizing a Second Supplemental Trust Indenture to secure the payment of Bond Service Charges on the Series 1986 A Bonds and for related purposes.

WHEREAS pursuant to Sections 3345.11 and 3345.12 of the Ohio Revised Code (the "Act"), as enacted under authority of the Constitution of Ohio, particularly Section 2i of Article VIII thereof, The Ohio State University (the "University"), a state university of the State of Ohio (the "State") created and existing under Chapter 3335 of the Ohio Revised Code, is authorized and empowered, among other things, (a) to issue, as provided herein, Bonds (as defined in the Original Indenture (as hereinafter defined)) of the University to pay the costs of certain capital facilities defined as "auxiliary facilities" in Section 3345.12 of the Ohio Revised

July 10 and 11, 1986 meeting, Board of Trustees

**AUTHORIZATION, ISSUANCE AND SALE OF GENERAL RECEIPTS BONDS,
SERIES 1986 A, OF THE OHIO STATE UNIVERSITY (contd)**

Code (and herein called "University Facilities") and to refund, fund or retire the Bonds and other obligations previously issued for such purpose; (b) to pledge to the payment of the Bonds all or a specified part of the gross amount of the General Receipts of the University (as defined in the Original Indenture) in priority to all other expenses, claims or payments; (c) to covenant, as herein provided, that the University will make, fix, adjust and collect the fees, rates, rentals, charges and other items comprising General Receipts to produce General Receipts sufficient at all times to meet Bond Service Charges (as defined in the Original Indenture) on the Bonds, to establish and to maintain the required reserves and meet other requirements herein provided; and (d) to provide for a trust indenture and to make further provisions for securing the payment of the Bond Service Charges;

WHEREAS the University, by resolution adopted by its Board of Trustees (the "Board") on November 1, 1985 (the "Series 1985 A Bond Resolution") and by a Trust Indenture dated as of November 15, 1985 (the "Original Indenture"), between the University and The Huntington National Bank, as Trustee (the "Trustee"), 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 (as defined in the Original Indenture) adopted by the Board pursuant thereto; and

WHEREAS the University has heretofore issued pursuant to the Series 1985 A Bond Resolution and the Original Indenture \$27,680,000 The Ohio State University General Receipts Refunding Bonds, Series 1985 A, dated as of November 15, 1985 (the "Series 1985 A Bonds") (\$27,680,000 principal amount outstanding); and

WHEREAS the University has heretofore issued pursuant to the Series 1985 A Bond Resolution, the Series 1985 B Bond Resolution, adopted by the Board on December 6, 1985 (the "Series 1985 B Bond Resolution"), the Original Indenture and the First Supplemental Indenture, dated as of December 30, 1985 (the "First Supplemental Indenture"), between the University and the Trustee, the \$42,500,000 The Ohio State University Variable Rate Demand General Receipts Bonds, Series 1985 B, dated as of December 30, 1985 (the "Series 1985 B Bonds") (\$42,500,000 principal amount outstanding); and

WHEREAS the Board has determined that it is in the best interests of the University to authorize the issuance of The Ohio State University General Receipts Bonds, Series 1986 A (the "Series 1986 A Bonds") in a principal amount equal to the difference between the Maximum Aggregate Principal Amount and the portion of such Amount allocated as provided in the Series 1986 B Bond Resolution to the Series 1986 B Bonds (as hereinafter defined), for the purpose of paying or reimbursing costs of the 1986 Project, funding the Bond Reserve Fund (as defined in the Original Indenture), paying certain Capitalized Interest and paying costs and expenses associated with the issuance of the Series 1986 A Bonds; and

WHEREAS the University desires to make provision for the issuance of the Series 1986 A Bonds and for the payment of the Bond Service Charges thereon and the securing thereof by this Resolution and a Second Supplemental Trust Indenture (the "Second Supplemental Indenture") herein authorized:

NOW THEREFORE

July 10 and 11, 1986 meeting, Board of Trustees

**AUTHORIZATION, ISSUANCE AND SALE OF GENERAL RECEIPTS BONDS,
SERIES 1986 A, OF THE OHIO STATE UNIVERSITY (contd)**

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 the Original Indenture and all interpretations therein provided shall have in this Resolution the same meanings, respectively, and be subject to the same interpretations as therein provided or used, 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 3 hereof, is sometimes herein called and may be known as the "Series 1986 A Bond Resolution." The Bonds authorized by this Resolution are referred to herein and in the Second Supplemental Indenture as the "Series 1986 A Bonds." Terms not appearing in the Indenture but used herein are defined as follows:

"1986 Construction Fund" means the fund held by the Trustee created pursuant to Section 5 of this Resolution and funded with the proceeds of the Series 1986 A Bonds and the Series 1986 B Bonds.

"1986 Project" means (i) construction, including remodeling of existing facilities, to provide a multi-sport athletic complex, including lighting, drainage, utility, and parking facilities; (ii) renovation and modernization of the Ohio Stadium dormitory; (iii) renovation and modernization of the Buckeye Village student housing facility, including the construction of support buildings and roadway and parking improvements; (iv) construction of a two-story addition to Doan Hall of University Hospitals and renovation of various hospital areas for medical logistical services; (v) construction of a four-floor addition to and the remodeling of Doan Hall of University Hospitals for clinical medical services; (vi) re-equipping the cardiac catheterization lab of University Hospitals; and (vii) construction of a multi-level, multi-building center for visual arts, including utility, driveway and other related site improvements.

"Bond proceedings" means the Series 1985 A Bond Resolution, the Original Indenture, any applicable Series Resolution, any applicable Supplemental Indenture, any applicable Certificate of Award and other resolutions and agreements and amendments of and supplements to the foregoing, or any combination thereof, authorizing or providing for the terms and conditions applicable to, or providing for the security or sale of Bonds, and the terms contained in such Bonds.

"Capitalized Interest" means an aggregate amount not to exceed \$10,000,000 in respect of the Series 1986 A Bonds and the Series 1986 B Bonds, as specified in the respective Certificates of Award, which equals a portion of the interest to become due during the construction of the 1986 Project.

"Certificate of Award" means the Certificate of Award authorized pursuant to Section 3 of this Resolution.

"Contract of Purchase" means the Contract of Purchase between the Original Purchasers and the University, authorized pursuant to Section 3 hereof.

"Mandatory sinking fund requirements" means amounts required by this Resolution to be deposited to the Bond Fund (as defined in the Original Indenture) in any year for the purpose of retiring principal maturities of

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**AUTHORIZATION, ISSUANCE AND SALE OF GENERAL RECEIPTS BONDS,
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the Series 1986 A Bonds which by the terms of such Bonds are due and payable, if not called for prior redemption, in any subsequent fiscal year of the University.

"Maximum Aggregate Principal Amount" means the sum of the face amounts of the Series 1986 A Bonds and of the Series 1986 B Bonds, which aggregate amount shall not exceed \$90,000,000.

"Official Statement" means, as to the Series 1986 A Bonds, the Official Statement including, without limitation, the Preliminary Official Statement, relating to the original issuance of the Series 1986 A Bonds, authorized pursuant to Section 3 hereof.

"Original Purchasers" means, as to the Series 1986 A Bonds, The Ohio Company, Columbus, Ohio, John Nuveen & Co. Incorporated, Chicago, Illinois, Prudential-Bache Securities, New York, New York, Salomon Brothers Inc., New York, New York and Shearson Lehman Brothers Inc., New York, New York.

"Paying Agents" means the Trustee.

"Series 1986 A Bond Resolution", or "this Resolution" as used herein, means this Resolution, as the same may be amended from time to time in accordance with the provisions of the Indenture.

"Series 1986 B Bond Resolution" means the resolution adopted by the Board on July 11, 1986, authorizing the issuance and sale of the Variable Rate Demand General Receipts Bonds, Series 1986 B (the "Series 1986 B Bonds"), in a principal amount not less than forty percent (40%) and not greater than sixty percent (60%) of the Maximum Aggregate Principal Amount, for the purpose of paying or reimbursing costs of the 1986 Project, funding the Bond Reserve Fund relating to the Series 1986 B Bonds, paying certain Capitalized Interest and paying costs and expenses associated with the issuance of the Series 1986 B Bonds, authorizing a Third Supplemental Trust Indenture to the Original Indenture to secure the payment of Bond Service Charges on the Series 1986 B Bonds, and for related purposes.

"Trustee" means The Huntington National Bank, Columbus, Ohio, and any successor Trustee as determined or designated under or pursuant to the Original Indenture.

Any reference herein to the University, the Board, or to any members or officers thereof or to other public boards, commissions, departments, institutions, agencies, bodies, entities or officers, shall include those which succeed to their functions, duties or responsibilities pursuant to or by operation of law or who are lawfully performing their functions. Any reference to a section or provision of the Ohio Revised Code or to the laws of Ohio shall include such section or provision and such laws as from time to time amended, modified, revised, supplemented, or superseded, provided that no such amendment, modification, revision, supplementation, or supersession shall alter the obligation to pay the Bond Service Charges in the amount and manner, at the times, and from the sources provided in this Resolution, the Original Indenture and the Second Supplemental Indenture, except as otherwise herein permitted.

Unless the context shall otherwise indicate, words importing the singular number shall include the plural number, and vice versa, and the

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terms "hereof," "herein," "hereby," "hereto," "hereunder," and similar terms, mean this Resolution.

Section 2. Authorization; Terms; Pledge; and Covenant.

(a) Authorization. The Bonds, to be designated and known as The Ohio State University General Receipts Bonds, Series 1986 A (the "Series 1986 A Bonds"), shall be issued pursuant to and as authorized by the Act, Section 2i of Article VIII of the Ohio Constitution, the Series 1985 A Bond Resolution, this Resolution, the Original Indenture and the Second Supplemental Indenture for the purposes of financing costs of the University Facilities comprising the 1986 Project, funding the Bond Reserve Fund, paying certain Capitalized Interest and paying costs and expenses incidental to the issuance of the Series 1986 A Bonds.

(b) Form and Numbering. The Series 1986 A Bonds shall be issued only as fully registered bonds. The Series 1986 A Bonds shall be numbered as determined by the Trustee.

(c) Denominations and Dates. The Series 1986 A Bonds shall be in denominations of \$5,000 and integral multiples thereof and shall be dated July 15, 1986.

(d) Maximum Aggregate Principal Amount. The sum of the face amounts of the Series 1986 A Bonds and the Series 1986 B Bonds shall not exceed the Maximum Aggregate Principal Amount. As provided in Section 2 of the Series 1986 B Bond Resolution, the Series 1986 B Bonds shall be issued in a principal amount not less than forty percent (40%) and not greater than sixty percent (60%) of the Maximum Aggregate Principal Amount. The Series 1986 A Bonds shall therefore be issued in a principal amount not to exceed the difference between the Maximum Aggregate Principal Amount and the portion of such Amount allocated pursuant to the Series 1986 B Bond Resolution to the Series 1986 B Bonds. The principal amount of the Series 1986 A Bonds will be specified in the Certificate of Award.

(e) Delivery and Execution. The Treasurer (as defined in the Original Indenture) is hereby authorized to make the necessary arrangements with the Original Purchasers to establish the date, location, procedures and conditions for the delivery of the Series 1986 A Bonds to the Original Purchasers and to take all steps as necessary to effect due execution, authentication and delivery of the Series 1986 A Bonds to the Original Purchasers under the terms of this Resolution. The Series 1986 A Bonds shall be signed by the Chairman of the Board (the "Chairman") and the Treasurer in their official capacities (provided that both of the signatures may be facsimiles) and shall bear the corporate seal of the University or a facsimile thereof.

(f) Interest and Maturities.

(i) The Series 1986 A Bonds shall bear interest on their unpaid principal amounts payable semi-annually on June 1 and December 1 (the "Interest Payment Dates"), beginning December 1, 1986, at the percentage rate or rates per annum set forth in the Certificate of Award (established pursuant to Section 3 hereof). Such rate or rates shall in no event produce an average interest rate in excess of ten percent (10%) per annum.

(ii) The Series 1986 A Bonds shall mature not later than

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**AUTHORIZATION, ISSUANCE AND SALE OF GENERAL RECEIPTS BONDS,
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December 1, 2006, and in such annual amount or amounts as are provided for in the Certificate of Award.

(iii) Mandatory redemption of Series 1986 A Bonds of certain maturities prior to maturity, pursuant to the mandatory sinking fund requirements, shall be as provided in the Certificate of Award.

(iv) Certain maturities of the Series 1986 A Bonds, as provided in the Certificate of Award, are subject to optional redemption at the option of the University prior to stated maturity, in whole or in part, in accordance with the terms, conditions, redemption prices and on the dates set forth in the Certificate of Award. Notice of call for and other terms and provisions governing redemption of the Series 1986 A Bonds shall be given in the manner provided in the Original Indenture. At no time shall the redemption price on any Series 1986 A Bond, exclusive of accrued interest, exceed one hundred and three percent (103%) of the face amount of such Bond.

(g) Security. As provided in the Original Indenture and the Second Supplemental Indenture, there is hereby pledged to the security of the Series 1986 A Bonds and for the payment of the Bond Service Charges on the Series 1986 A Bonds and for establishment and maintenance of the Bond Reserve Requirement (as defined in the Original Indenture), the gross amount of General Receipts of the University (subject to the provisions for the partial release of a pledge of General Receipts contained in Section 4.11 of the Original Indenture) and the monies contained in the Special Funds (as defined in the Original Indenture). This pledge of General Receipts shall be on parity with expenses, claims and payments relating to other Parity Obligations (as defined in the Original Indenture) and in priority to all other expenses, claims and payments of the University. In accordance with the Act, all General Receipts or portions thereof are immediately subject to the lien of the pledge upon receipt thereof by the University, and such pledge creates a perfected security interest without necessity for prior separation, physical delivery, filing or recording or further act.

For the further security of the Series 1986 A Bonds, and any Additional Bonds (as defined in the Original Indenture), the University hereby covenants with the bondholders and the Trustee that so long as any Series 1986 A Bonds or Additional Bonds are outstanding, the University will fix, make, adjust and collect fees, rates, rentals, charges, and other items of General Receipts, as will produce at all times General Receipts sufficient (i) to pay Bond Service Charges when due, (ii) to establish and maintain the Bond Reserve Requirement as provided in the Original Indenture, (iii) together with other monies lawfully available therefor, to pay all costs and expenses required to be paid under the Bond proceedings, and (iv) together with other monies lawfully available therefor, to pay all other costs and expenses necessary for the proper maintenance and successful and continuous operation of the University.

(h) Payment, Places of Payment and Paying Agents. The principal of and the redemption premium on the Series 1986 A Bonds when due shall be payable to the registered holders upon presentation and surrender thereof at the principal corporate trust office of the Trustee. Interest shall be payable by check or draft mailed by the Trustee as provided in the Original Indenture; provided, however, that interest on Series 1986 A Bonds aggregating \$1,000,000 or more in principal amount registered in the name of a single holder shall be paid by wire transfer in immediately available

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funds to such account, if any, as such holder directs in writing to the Trustee at least ten (10) days prior to any Interest Payment Date, such payment by wire transfer pursuant to that direction continuing in effect as to subsequent Interest Payment Dates until such time as the holder notifies the Trustee to the contrary or until such time as such holder ceases to be a holder of the requisite principal amount of Series 1986 A Bonds.

Section 3. Contract of Purchase; Certificate of Award; Official Statement. The Series 1986 A Bonds are sold and awarded to the Original Purchasers in accordance with the Contract of Purchase at the purchase price (not less than ninety-seven percent (97%) of principal amount plus accrued interest) provided in the Certificate of Award. The form of Contract of Purchase now on file with the Secretary of the Board is hereby approved, together with any changes therein and completions thereof which are not inconsistent with this Resolution and not substantially adverse to the University, and as are permitted by the Act and approved on behalf of the University by the Chairman or the Treasurer. The approval on behalf of the University of those changes and completions by the Chairman or the Treasurer, and the status of those changes as not substantially adverse to the University, shall be conclusively evidenced by the execution of the Contract of Purchase on behalf of the University by the Chairman or the Treasurer. It is determined hereby that the purchase price and the manner of sale and the terms of the Series 1986 A Bonds, as provided in this Resolution, are consistent with all legal requirements and will carry out the public purposes of the Act.

The sale and award of the Series 1986 A Bonds shall be further evidenced by the Certificate of Award. The Certificate of Award is hereby authorized and shall be executed by the Chairman or the Treasurer. The Certificate of Award shall, as to the Series 1986 A Bonds, state or confirm the aggregate principal amount, the purchase price, the interest rate or rates, the annual principal amount or amounts, the amount of Capitalized Interest, the maturity dates, the mandatory sinking fund requirements and the optional redemption provisions, all as determined in accordance with the provisions of this Resolution and the Contract of Purchase. The Certificate of Award shall also contain such other data or provisions as the Chairman or the Treasurer determines are appropriate or necessary, and as are consistent with this Resolution, the Original Indenture, the Second Supplemental Indenture and the Contract of Purchase. The Certificate of Award shall be deemed a part of this Resolution in connection with the authorization, issuance and sale of the Series 1986 A Bonds.

The distribution of the Preliminary Official Statement relating to the Series 1986 A Bonds is hereby approved. The Official Statement, substantially in the form of the Preliminary Official Statement now on file with the Secretary of the Board, shall be executed by the Chairman or the Treasurer in his official capacity on behalf of the University with any modifications, changes and supplements necessary or desirable for the purposes thereof which the Chairman or the Treasurer shall approve. The Board has not confirmed, and assumes no responsibility for, the accuracy, sufficiency or fairness of any statements in the Preliminary Official Statement or the final Official Statement or any supplements thereto, or in any reports, financial information, offering or disclosure documents or other information in any way relating to the Original Purchasers.

Section 4. Allocation of Proceeds. The proceeds from the sale of the Series 1986 A Bonds, including any accrued interest, shall be allocated,

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**AUTHORIZATION, ISSUANCE AND SALE OF GENERAL RECEIPTS BONDS,
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deposited and applied as follows:

- (i) To the Bond Fund, accrued interest received on the sale of the Series 1986 A Bonds;
- (ii) To the Bond Reserve Fund, an amount equal to the amount required to bring the balance in the Bond Reserve Fund to an amount equal to the Bond Reserve Requirement in respect to all Bonds; and
- (iii) To the 1986 Construction Fund, created pursuant to Section 5 of this Resolution, the entire remaining amount of the proceeds, to be applied to the purposes of that Fund, including transfers from that Fund authorized by the Act, to pay certain Capitalized Interest and to pay costs and expenses associated with the issuance of the Series 1986 A Bonds.

Section 5. 1986 Construction Fund. There is hereby created by the University and ordered maintained a separate fund with the Trustee designated the "1986 Construction Fund." The 1986 Construction Fund shall be funded from the proceeds of the sale of the Series 1986 A Bonds and the Series 1986 B Bonds. Monies in the 1986 Construction Fund may be used for the payment or reimbursement of all costs and expenses relating to the 1986 Project, expenses representing certain Capitalized Interest, and costs and expenses associated with the issuance of the Series 1986 A Bonds and the Series 1986 B Bonds. Payments from the 1986 Construction Fund for the purpose of paying costs and expenses relating to the 1986 Project shall be made as provided in Section 9 of the Series 1985 A Bond Resolution.

Transfers by the Trustee of monies from the 1986 Construction Fund to the Bond Fund for the purpose of paying Capitalized Interest shall be made only upon the receipt by the Trustee of a written order signed by the Treasurer, which shall specify the amount of such transfer. Monies remaining in the 1986 Construction Fund (including monies earned thereon by investment thereof) after receipt by the Trustee of a certificate of completion (as described in Section 9 of the Series 1985 A Bond Resolution) and payment of Capitalized Interest and of costs and expenses relating to the 1986 Project, shall be applied as provided in Section 9 of the Series 1985 A Bond Resolution.

Section 6. Application of Bond Proceeds. The University covenants that the use of the proceeds of the Series 1986 A Bonds, including amounts at any time in the Bond Reserve Fund, will be restricted in such manner and to such extent, if any, as may be necessary, after taking into account reasonable expectations at the time of delivery of and payment for the Series 1986 A Bonds, so that the Series 1986 A Bonds will not constitute "arbitrage bonds" under Section 103(c) of the Code (as defined in the Indenture). The Treasurer of the University, or any other officer having responsibility with respect to the issuance of the Series 1986 A Bonds, alone or in conjunction with any other officer or employee of or consultant to the University, will give an appropriate certificate of the University for inclusion in the transcript of proceedings for the Series 1986 A Bonds setting forth the reasonable expectations of the University regarding the amount and use of all those proceeds and the facts and estimates on which they are based, all as of the date of original delivery of and payment for the Series 1986 A Bonds.

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**AUTHORIZATION, ISSUANCE AND SALE OF GENERAL RECEIPTS BONDS,
SERIES 1986 A, OF THE OHIO STATE UNIVERSITY (contd)**

The University further covenants that it will take all actions required to maintain the exemption from federal income tax for interest on the Series 1986 A Bonds, and will not take any actions which would adversely affect such exemption under the provisions of federal tax laws that apply to the Series 1986 A Bonds, or under the provisions of H.R. 3838, as passed by the U.S. House of Representatives on December 17, 1985, but with the effective date stated for certain provisions thereof listed in the March 14, 1986 Joint Statement by the chairmen and ranking minority members of the House Committee on Ways and Means and the Senate Committee on Finance and the Secretary of the Treasury, or as amended and passed by the U.S. Senate on June 24, 1986, until and unless, and except to the extent, with respect to H.R. 3838, the University obtains a written opinion of nationally recognized bond counsel that this covenant, as it pertains to H.R. 3838, need not be complied with in order for the interest on the Series 1986 A Bonds to continue to be exempt from federal income taxation; and the Chairman or the Treasurer and other appropriate officers are hereby authorized to take such actions and give such certifications as may be appropriate to assure such tax exemption of interest on the Series 1986 A Bonds.

Section 7. Further Covenants. In addition to the covenants elsewhere contained herein, The University further covenants as provided in Section 13 of the Series 1985 A Bond Resolution, which covenants are incorporated herein as if fully set forth herein.

Section 8. Second Supplemental Indenture. In order to better secure the payment of the Bond Service Charges as the same shall become due and payable, the Chairman, the President of the University, the Secretary of the Board and the Treasurer, or any one or more of them, are authorized and directed to execute, acknowledge and deliver to the Trustee, in the name and on behalf of the University and pursuant to the Indenture, the Second Supplemental Indenture, in substantially the form submitted to this Board and hereby approved, with such changes therein as are not substantially adverse to the University and as may be permitted by the Act and approved by the officers executing the same on behalf of the University. The Second Supplemental Indenture shall also include the form of the Series 1986 A Bonds. The execution of such document by any of the officers shall conclusively evidence that the officers and the Board approve such changes and that such changes are not substantially adverse to the University. Such officers are each further authorized to execute and deliver on behalf of the University such other certificates, documents and instruments as are necessary in connection with the acts authorized by this Resolution.

Section 9. Text of Resolution. The text of this Resolution authorizing the issuance and sale of the Series 1986 A Bonds and related acts by the University may be changed for the purpose of curing any ambiguity, inconsistency or formal defect or omission in this Resolution or in respect of this Resolution as it relates to the Indenture, the Second Supplemental Indenture, the Certificate of Award, the Form of Bond, the Contract of Purchase or the Official Statement. Such changes shall be subject to the approval of any one of the officers (referred to in Section 8 above) as being changes not substantially adverse to the University or contrary to the true intent and meaning hereof. Such changes must also be acceptable to Bond Counsel (as defined in the Original Indenture).

Section 10. Open Meeting Determination. It is found and determined that all formal actions of the Board concerning and relating to

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**AUTHORIZATION, ISSUANCE AND SALE OF GENERAL RECEIPTS BONDS,
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the adoption of this Resolution were adopted in an open meeting of the Board, and that all deliberations of the 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 Revised Code.

Section 11. Effective Date. This Resolution shall take effect and be in force immediately upon its adoption. Reference shall be made to the Original Indenture and the Second Supplemental Indenture concerning matters not specifically addressed in this Resolution.

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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**AUTHORIZATION, ISSUANCE AND SALE OF VARIABLE RATE DEMAND GENERAL
RECEIPTS BONDS, SERIES 1986 B, OF THE OHIO STATE UNIVERSITY**

Resolution No. 87-23

Synopsis: Providing for the authorization, issuance and sale of Variable Rate Demand General Receipts Bonds, Series 1986 B (the "Series 1986 B Bonds"), in a principal amount determined as provided herein, for the purpose of paying or reimbursing costs of (i) construction, including remodeling of existing facilities, to provide a multi-sport athletic complex, including lighting, drainage, utility, and parking facilities; (ii) renovation and modernization of the Ohio Stadium dormitory; (iii) renovation and modernization of the Buckeye Village student housing facility, including the construction of support buildings and roadway and parking improvements; (iv) construction of a two-story addition to Doan Hall of University Hospitals and renovation of various hospital areas for medical logistical services; (v) construction of a four-floor addition to and the remodeling of Doan Hall of University Hospitals for clinical medical services; (vi) re-equipping the cardiac catheterization lab of University Hospitals; and (vii) construction of a multi-level, multi-building center for visual arts, including utility, driveway and other related site improvements (collectively, the "1986 Project"), funding the Bond Reserve Fund, paying certain Capitalized Interest and paying costs and expenses associated with the issuance of the Series 1986 B Bonds, authorizing a Third Supplemental Trust Indenture to secure the payment of Bond Service Charges on the Series 1986 B Bonds and for related purposes.

WHEREAS pursuant to Sections 3345.11 and 3345.12 of the Ohio Revised Code (the "Act"), as enacted under authority of the Constitution of Ohio, particularly Section 2i of Article VIII thereof, The Ohio State University (the "University"), a state university of the State of Ohio (the "State") created and existing under Chapter 3335 of the Ohio Revised Code, is authorized and empowered, among other things, (a) to issue, as provided herein, Bonds (as defined in the Original Indenture (as hereinafter defined)) of the University to pay the costs of certain capital facilities defined as "auxiliary facilities" in Section 3345.12 of the Ohio Revised Code (and herein called "University Facilities") and to refund, fund or retire the Bonds and other obligations previously issued for such purpose; (b) to pledge to the payment of the Bonds all or a specified part of the gross amount of the General Receipts of the University (as defined in the

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AUTHORIZATION, ISSUANCE AND SALE OF VARIABLE RATE DEMAND GENERAL RECEIPTS BONDS, SERIES 1986 B, OF THE OHIO STATE UNIVERSITY (contd)

Original Indenture) in priority to all other expenses, claims or payments; (c) to covenant, as herein provided, that the University will make, fix, adjust and collect the fees, rates, rentals, charges and other items comprising General Receipts to produce General Receipts sufficient at all times to meet Bond Service Charges (as defined in the Original Indenture) on the Bonds, to establish and to maintain the required reserves and meet other requirements herein provided; and (d) to provide for a trust indenture and make further provisions for securing the payment of the Bond Service Charges; and

WHEREAS the University, by resolution adopted by its Board of Trustees (the "Board") on November 1, 1985 (the "Series 1985 A Bond Resolution") and by a Trust Indenture dated as of November 15, 1985 (the "Original Indenture") between the University and The Huntington National Bank, as Trustee (the "Trustee"), 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 (as defined in the Original Indenture) adopted by the Board pursuant thereto; and

WHEREAS the University has heretofore issued pursuant to the Series 1985 A Bond Resolution and the Original Indenture the \$27,680,000 The Ohio State University General Receipts Refunding Bonds, Series 1985 A, dated as of November 15, 1985 (the "Series 1985 A Bonds") (\$27,680,000 principal amount currently outstanding); and

WHEREAS the University has heretofore issued pursuant to the Series 1985 A Bond Resolution, the Series 1985 B Bond Resolution, adopted by the Board on December 6, 1985 (the "Series 1985 B Bond Resolution"), the Original Indenture and the First Supplemental Indenture, dated as of December 30, 1985 (the "First Supplemental Indenture"), between the University and the Trustee, the \$42,500,000 The Ohio State University Variable Rate Demand General Receipts Bonds, Series 1985 B (the "Series 1985 B Bonds") (\$42,500,000 principal amount currently outstanding); and

WHEREAS the University intends to issue pursuant to the Series 1985 A Bond Resolution, the Series 1986 A Bond Resolution, adopted by the Board on the date hereof (the "Series 1986 A Bond Resolution"), the Original Indenture and the Second Supplemental Indenture, dated as of July 15, 1986 (the "Second Supplemental Indenture"), between the University and the Trustee, The Ohio State University General Receipts Bonds, Series 1986 A (the "Series 1986 A Bonds") in an amount equal to the difference between the Maximum Aggregate Principal Amount and the principal amount of the Series 1986 B Bonds; and

WHEREAS the Board has determined that it is in the best interests of the University to authorize the issuance of The Ohio State University Variable Rate Demand General Receipts Bonds, Series 1986 B (the "Series 1986 B Bonds") in a principal amount not less than forty percent (40%) and not greater than sixty percent (60%) of the Maximum Aggregate Principal Amount for the purpose of paying or reimbursing costs of the 1986 Project, funding the Bond Reserve Fund (as defined in the Original Indenture), paying certain Capitalized Interest and paying costs and expenses associated with the issuance of the Series 1986 B Bonds; and

WHEREAS the University desires to make provision for the issuance of the Series 1986 B Bonds and for the payment of the Bond Service Charges thereon

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AUTHORIZATION, ISSUANCE AND SALE OF VARIABLE RATE DEMAND GENERAL RECEIPTS BONDS, SERIES 1986 B, OF THE OHIO STATE UNIVERSITY (contd)

and the securing thereof by this Resolution and a Third Supplemental Trust Indenture (the "Third Supplemental Indenture") herein authorized;

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 the Original Indenture and all interpretations therein provided shall have in this Resolution the same meanings, respectively, and be subject to the same interpretations as therein provided or used, 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 3 hereof, is sometimes herein called and may be known as the "Series 1986 B Bond Resolution." The Bonds authorized by this Resolution are referred to herein and in the Third Supplemental Indenture as the "Series 1986 B Bonds." Terms not appearing in the Indenture but used herein are defined as follows:

"1986 Construction Fund" means the fund held by the Trustee and created pursuant to Section 5 of the Series 1986 A Bond Resolution and funded with the proceeds of the Series 1986 A Bonds and the Series 1986 B Bonds.

"1986 Project" means (i) construction, including remodeling of existing facilities, to provide a multi-sport athletic complex, including lighting, drainage, utility, and parking facilities; (ii) renovation and modernization of the Ohio Stadium dormitory; (iii) renovation and modernization of the Buckeye Village student housing facility, including the construction of support buildings and roadway and parking improvements; (iv) construction of a two-story addition to Doan Hall of University Hospitals and renovation of various hospital areas for medical logistical services; (v) construction of a four-floor addition to and the remodeling of Doan Hall of University Hospitals for clinical medical services; (vi) re-equipping the cardiac catheterization lab of University Hospitals; and (vii) construction of a multi-level, multi-building center for visual arts, including utility, driveway and other related site improvements.

"Bank" means initially, The Fuji Bank, Limited, acting through its Chicago, Illinois Branch, as the issuer of the Standby Bond Purchase Agreement (as hereinafter defined), its successors and assigns.

"Capitalized Interest" means an aggregate amount not to exceed \$10,000,000 in respect of the Series 1986 A Bonds and the Series 1986 B Bonds, as specified in the respective Certificates of Award, which equals a portion of the interest to become due during the construction of the 1986 Project.

"Contract of Purchase" means the Contract of Purchase between the Original Purchasers and the University, authorized pursuant to Section 3 hereof.

"Converted Bond(s)" means a Series 1986 B Bond, the interest on which has been converted to Fixed Interest Rates (as defined in the Third Supplemental Indenture) pursuant to Section 6(E) of the Third Supplemental Indenture.

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AUTHORIZATION, ISSUANCE AND SALE OF VARIABLE RATE DEMAND GENERAL RECEIPTS BONDS, SERIES 1986 B, OF THE OHIO STATE UNIVERSITY (contd)

"Interest Payment Dates" means as to the Series 1986 B Bonds (i) during the effectiveness of a Weekly Rate Period, a Monthly Rate Period or a Quarterly Rate Period (as such terms are defined in the Third Supplemental Indenture), each March 1, June 1, September 1, and December 1 or, if such day is not a Business Day (as defined in the Original Indenture), the next succeeding Business Day, commencing December 1, 1986; and (ii) during the effectiveness of a Semiannual Rate Period, an Annual Rate Period or a Fixed Rate Period (as such terms are defined in the Third Supplemental Indenture), each June 1 and December 1 or, if such day is not a Business Day, the next succeeding Business Day, commencing December 1, 1986.

"Maximum Aggregate Principal Amount" means the sum of the face amounts of the Series 1986 A Bonds and the Series 1986 B Bonds, which aggregate amount shall not exceed \$90,000,000.

"Maximum Interest Rate" means fifteen percentum (15%) per annum.

"Official Statement" means, as to the Series 1986 B Bonds, the Official Statement including, without limitation, the Preliminary Official Statement relating to the original issuance of the Series 1986 B Bonds, authorized pursuant to Section 3 hereof.

"Original Purchasers" means, as to the Series 1986 B Bonds, John Nuveen & Co. Incorporated, Chicago, Illinois and The Ohio Company, Columbus, Ohio.

"Paying Agent(s)" means, as to the Series 1986 B Bonds, the Trustee.

"Remarketing Agent" means initially, John Nuveen & Co. Incorporated, and any Person (as defined in the Original Indenture) meeting the qualifications of, and designated from time to time to act as Remarketing Agent under Section 7(H) of the Third Supplemental Indenture.

"Remarketing Agreement" means the Remarketing Agreement, dated as of August 1, 1986, provided for in Section 7 of this Resolution, to be entered into between the University and the Remarketing Agent, as the agreement may be amended, modified or supplemented.

"Series 1986 B Bonds" means the Bonds authorized by this Resolution and shall include, except as expressly noted in the Third Supplemental Indenture, any Series 1986 B Bonds held by or for the account of the Bank or its designee.

"Standby Bond Purchase Agreement" or "Standby Agreement" means, as to the Series 1986 B Bonds, the Standby Bond Purchase Agreement, dated as of August 1, 1986, between the University and the Bank, as the agreement may from time to time be amended, modified or supplemented.

"Tender Agent" means United States Trust Company of New York, New York, New York or any Person meeting the qualifications of, and designated from time to time to act as Tender Agent under, Section 7(K) of the Third Supplemental Indenture.

Any reference herein to the University, the Board, or to any members or officers thereof or to other public boards, commissions, departments, institutions, agencies, bodies, entities or officers, shall

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AUTHORIZATION, ISSUANCE AND SALE OF VARIABLE RATE DEMAND GENERAL RECEIPTS BONDS, SERIES 1986 B, OF THE OHIO STATE UNIVERSITY (contd)

include those which succeed to their functions, duties or responsibilities pursuant to or by operation of law or who are lawfully performing their functions. Any reference to a section or provision of the Ohio Revised Code or to the laws of Ohio shall include such section or provision and such laws as from time to time amended, modified, revised, supplemented, or superseded, provided that no such amendment, modification, revision, supplementation, or supersession shall alter the obligation to pay the Bond Service Charges in the amount and manner, at the times, and from the sources provided in the Series 1985 A Bond Resolution, this Resolution, the Original Indenture and the Third Supplemental Indenture, except as otherwise herein permitted.

Unless the context shall otherwise indicate, words importing the singular number shall include the plural number, and vice versa, and the terms "hereof," "herein," "hereby," "hereto," "hereunder," and similar terms, mean this Resolution.

Section 2. Authorization; Terms; Pledge; and Covenant.

(a) Authorization. The Bonds, to be designated and known as The Ohio State University Variable Rate Demand General Receipts Bonds, Series 1986 B (the "Series 1986 B Bonds"), shall be issued pursuant to and as authorized by the Act, Section 21 of Article VIII of the Ohio Constitution, the Series 1985 A Bond Resolution, this Resolution, the Original Indenture and the Third Supplemental Indenture for the purposes of financing costs of the University Facilities comprising the 1986 Project, funding the Bond Reserve Fund, paying certain Capitalized Interest and paying costs and expenses incidental to the issuance of the Series 1986 B Bonds.

(b) Form and Numbering. The Series 1986 B Bonds shall be issued only as fully registered Bonds. The Series 1986 B Bonds shall be numbered as determined by the Trustee.

(c) Denominations and Dates. Initially, the Series 1986 B Bonds shall be in denominations of \$100,000 and integral multiples thereof and shall be dated as of the date of their first authentication and delivery. Series 1986 B Bonds subsequently issued in exchange for Series 1986 B Bonds surrendered for transfer or exchange shall be dated as of the Interest Payment Date to which interest has been paid in full or duly provided for. Converted Bonds shall be in denominations of \$5,000 and any integral multiple thereof.

(d) Maximum Aggregate Principal Amount. The sum of the face amounts of the Series 1986 A Bonds and the Series 1986 B Bonds shall not exceed the Maximum Aggregate Principal Amount. The Series 1986 B Bonds shall be issued in a principal amount not less than forty percent (40%) and not greater than sixty percent (60%) of the Maximum Aggregate Principal Amount, as specified in the Certificate of Award. The Series 1986 A Bonds shall, pursuant to Section 2 of the Series 1986 A Bond Resolution, be issued in an amount not to exceed the difference between the Maximum Aggregate Principal Amount and the portion of such Amount allocated pursuant to this Resolution to the Series 1986 B Bonds.

(e) Delivery and Execution. The Treasurer is hereby authorized to make the necessary arrangements with the Original Purchasers to establish the date, location, procedures and conditions for the delivery of the Series 1986 B Bonds to the Original Purchasers and to take all steps as necessary

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AUTHORIZATION, ISSUANCE AND SALE OF VARIABLE RATE DEMAND GENERAL RECEIPTS BONDS, SERIES 1986 B, OF THE OHIO STATE UNIVERSITY (contd)

to effect due execution, authentication and delivery of the Series 1986 B Bonds to the Original Purchasers under the terms of this Resolution. The Series 1986 B Bonds shall be signed by the Chairman of the Board (the "Chairman") and the Treasurer in their official capacities (provided that both of the signatures may be facsimiles) and shall bear the corporate seal of the University or a facsimile thereof.

(f) Interest. The Series 1986 B Bonds shall bear interest at a variable rate determined on a weekly, monthly, quarterly, semiannual, annual or multi-annual basis, the period of recalculation to be selected by the University and the method of calculation to be performed by the Remarketing Agent as provided in Section 6 of the Third Supplemental Indenture. The University may also, as provided in Section 6(E) of the Third Supplemental Indenture, convert the interest rate on all or a portion of the Series 1986 B Bonds to Fixed Interest Rates. Except for the Bank Bond Rate (as defined in the Third Supplemental Indenture), the interest rate on the Series 1986 B Bonds shall at no time exceed the Maximum Interest Rate. Interest shall be payable on each Interest Payment Date.

During any Interest Period (as defined in the Third Supplemental Indenture), including, without limitation, a Fixed Rate Period (as defined in the Third Supplemental Indenture), in which any Series 1986 B Bonds are held by or for the account of the Bank or its designee by reason of the purchase of such Series 1986 B Bonds pursuant to the Standby Agreement (but not otherwise), the interest rate borne by such Series 1986 B Bonds (and only such Series 1986 B Bonds) shall be the Bank Bond Rate, calculated as provided in the Standby Agreement.

(g) Optional Tender. From time to time as provided in Section 9 of the Third Supplemental Indenture, holders of the Series 1986 B Bonds (other than Converted Bonds) may request, in accordance with the provisions of Section 7(A) of the Third Supplemental Indenture, that the Tender Agent purchase such Series 1986 B Bonds at a purchase price equal to one hundred percent (100%) of the principal amount of such Series 1986 B Bonds to be purchased plus accrued interest.

(h) Maturities. The Series 1986 B Bonds (other than Converted Bonds) shall mature on December 1, 2006, unless they have been redeemed prior to such date by mandatory redemption, as provided in Section 9(C) of the Third Supplemental Indenture, or otherwise. The Converted Bonds shall mature on the dates determined as provided in Section 6(E) of the Third Supplemental Indenture. The Series 1986 B Bonds (other than Converted Bonds) shall mature and be subject to mandatory sinking fund redemption as provided in the Certificate of Award. Nothing in the preceding sentences shall be deemed to in any case extend the maturity of any Series 1986 B Bond.

(i) Redemption. Certain maturities of the Series 1986 B Bonds are subject to redemption at the option of the University prior to stated maturity, in whole or in part, in accordance with the terms, conditions, redemption prices and on the dates set forth in Section 9 of the Third Supplemental Indenture. Notice of call for and other terms and provisions governing redemption of such Series 1986 B Bonds shall be given in the manner provided in the Original Indenture and the Third Supplemental Indenture.

(j) Mandatory Purchase. Upon (i) conversion to Fixed Interest Rates, (ii) expiration of the Standby Agreement, or (iii) the occurrence of

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AUTHORIZATION, ISSUANCE AND SALE OF VARIABLE RATE DEMAND GENERAL RECEIPTS BONDS, SERIES 1986 B, OF THE OHIO STATE UNIVERSITY (contd)

Events of Default (as defined in the Original Indenture and the Third Supplemental Indenture), certain of the Series 1986 B Bonds shall be subject to mandatory purchase, as designated by and in accordance with the provisions of Section 9(C) of the Third Supplemental Indenture. The Series 1986 B Bonds subject to mandatory purchase shall be purchased at a purchase price equal to the principal amount of the Series 1986 B Bonds to be so purchased plus accrued interest.

(k) Appointment of Remarketing Agent. The Board hereby appoints John Nuveen & Co. Incorporated as the initial Remarketing Agent under the Third Supplemental Indenture.

(l) Appointment of Tender Agent. The Board hereby appoints United States Trust Company of New York, New York, New York as the initial Tender Agent under the Third Supplemental Indenture.

(m) Security. As provided in the Original Indenture and the Third Supplemental Indenture, there is hereby pledged to the security of the Series 1986 B Bonds and for the payment of the Bond Service Charges on the Series 1986 B Bonds and for establishment and maintenance of the Bond Reserve Requirement (as defined in the Original Indenture), the gross amount of General Receipts of the University (subject to the provisions for the partial release of a pledge of General Receipts contained in Section 4.11 of the Original Indenture) and the monies contained in the Special Funds, as provided in the Original Indenture. This pledge of General Receipts shall be on parity with expenses, claims and payments relating to other Parity Obligations (as defined in the Original Indenture) and in priority to all other expenses, claims and payments of the University. In accordance with the Act, all the General Receipts or portions thereof are immediately subject to the lien of the pledge upon receipt thereof by the University, and such pledge creates a perfected security interest without necessity for prior separation, physical delivery, filing or recording or further act.

(n) Payment, Places of Payment and Paying Agents. The principal of and the redemption premium on the Series 1986 B Bonds when due shall be payable to the registered holders, upon presentation and surrender thereof at the principal corporate trust office of the Trustee and the Tender Agent, respectively. Interest shall be payable by check or draft mailed by the Trustee as provided in the Original Indenture; provided, however, that interest on Series 1986 B Bonds aggregating \$1,000,000 or more in principal amount registered in the name of a single holder shall be paid by wire transfer in immediately available funds to such account, if any, as such holder directs in writing to the Trustee at least ten (10) days prior to any Interest Payment Date, such payment by wire transfer pursuant to that direction continuing in effect as to subsequent Interest Payment Dates until such time as the holder notifies the Trustee to the contrary or until such time as such holder ceases to be a holder of the requisite principal amount of Series 1986 B Bonds. Interest on Series 1986 B Bonds held by the Bank or its designee pursuant to the Standby Agreement shall be paid (at the Bank Bond Rate) by wire transfer on each Interest Payment Date unless the Bank notifies the Trustee of a different mutually acceptable method.

Section 3. Contract of Purchase; Certificate of Award; Official Statement. The Series 1986 B Bonds are sold and awarded to the Original Purchasers in accordance with the Contract of Purchase at the purchase price (not less than ninety-eight and one-half percent (98 1/2%) of the principal amount plus accrued interest) provided in the Certificate of Award. The

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**AUTHORIZATION, ISSUANCE AND SALE OF VARIABLE RATE DEMAND GENERAL
RECEIPTS BONDS, SERIES 1986 B, OF THE OHIO STATE UNIVERSITY (contd)**

form of Contract of Purchase now on file with the Secretary of the Board is hereby approved, together with any changes therein and completions thereof which are not inconsistent with this Resolution and not substantially adverse to the University, and as are permitted by the Act and approved on behalf of the University by the Chairman or the Treasurer. The approval on behalf of the University of those changes and completions by the Chairman or the Treasurer, and the status of those changes as not substantially adverse to the University, shall be conclusively evidenced by the execution of the Contract of Purchase on behalf of the University by the Chairman or the Treasurer. It is determined hereby that the purchase price and the manner of sale and the terms of the Series 1986 B Bonds, as provided in this Resolution, are consistent with all legal requirements and will carry out the public purposes of the Act.

The sale and award of the Series 1986 B Bonds shall be further evidenced by the Certificate of Award. The Certificate of Award is hereby authorized and shall be executed by the Chairman or the Treasurer. The Certificate of Award shall, as to the Series 1986 B Bonds, state or confirm the aggregate principal amount, the purchase price, the initial interest rate or rates, the amount of Capitalized Interest, the mandatory sinking fund requirements and the optional redemption provisions, all as determined in accordance with the provisions of this Resolution, the Third Supplemental Indenture and the Contract of Purchase. The Certificate of Award shall also contain such other data or provisions as the Chairman or the Treasurer determines are appropriate or necessary, and as are consistent with the Series 1985 A Bond Resolution, this Resolution, the Original Indenture, the Third Supplemental Indenture and the Contract of Purchase. The Certificate of Award shall be deemed a part of this Resolution in connection with the authorization, issuance and sale of the Series 1986 B Bonds.

The distribution of the Preliminary Official Statement relating to the Series 1986 B Bonds is hereby approved. The final Official Statement, substantially in the form of the Preliminary Official Statement now on file with the Board, shall be executed by the Chairman or the Treasurer in his official capacity on behalf of the University with any modifications, changes or supplements necessary or desirable for the purposes thereof which the Chairman or the Treasurer shall approve. The Board has not confirmed, and assumes no responsibility for, the accuracy, sufficiency or fairness of any statements in the Preliminary Official Statement or the final Official Statement or any supplements thereto, or in any reports, financial information, offering or disclosure documents or other information in any way relating to the Bank or the Original Purchasers.

Section 4. Allocation of Proceeds. The proceeds from the sale of the Series 1986 B Bonds, including any accrued interest, shall be allocated, deposited and applied as follows:

- (i) To the Bond Fund, accrued interest received on the sale of the Series 1986 B Bonds;
- (ii) To the Bond Reserve Fund, an amount equal to the amount required to bring the balance in the Bond Reserve Fund to an amount equal to the Bond Reserve Requirement in respect of all Bonds; and
- (iii) To the 1986 Construction Fund, created pursuant to Section 5 of the Series 1986 A Bond Resolution and administered as

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AUTHORIZATION, ISSUANCE AND SALE OF VARIABLE RATE DEMAND GENERAL RECEIPTS BONDS, SERIES 1986 B, OF THE OHIO STATE UNIVERSITY (contd)

provided in Section 9 of the Series 1985 A Bond Resolution and Section 5 of the Series 1986 A Bond Resolution, the entire remaining amount of the proceeds, to be applied to the purposes of that Fund, including transfers from that Fund authorized by the Act, to pay certain Capitalized Interest and to pay costs and expenses associated with the issuance of the Series 1986 B Bonds.

Section 5. Application of Bond Proceeds. The University covenants that the use of the proceeds of the Series 1986 B Bonds, including amounts at any time in the Bond Reserve Fund, will be restricted in such manner and to such extent, if any, as may be necessary, after taking into account reasonable expectations at the time of delivery of and payment for the Series 1986 B Bonds, so that the Series 1986 B Bonds will not constitute "arbitrage bonds" under Section 103(c) of the Code. The Treasurer of the University, or any other officer having responsibility with respect to the issuance of the Series 1986 B Bonds, alone or in conjunction with any other officer or employee of or consultant to the University, will give an appropriate certificate of the University for inclusion in the transcript of proceedings for the Series 1986 B Bonds setting forth the reasonable expectations of the University regarding the amount and use of those proceeds and the facts and estimates on which they are based, all as of the date of original delivery of and payment for the Series 1986 B Bonds.

The University further covenants that it will take all actions required to maintain the exemption from federal income tax for interest on the Series 1986 B Bonds, and will not take any actions which would adversely affect such exemption under the provisions of federal tax laws that apply to the Series 1986 B Bonds, or under the provisions of H.R. 3838, as passed by the U.S. House of Representatives on December 17, 1985, but with the effective date stated for certain provisions thereof listed in the March 14, 1986 Joint Statement by the chairmen and ranking minority members of the House Committee on Ways and Means and the Senate Committee on Finance and the Secretary of the Treasury, or as amended and passed by the U.S. Senate on June 24, 1986, until and unless, and except to the extent, with respect to H.R. 3838, the University obtains a written opinion of nationally recognized bond counsel that this covenant, as it pertains to H.R. 3838, need not be complied with in order for the interest on the Series 1986 B Bonds to continue to be exempt from federal income taxation; and the Chairman or the Treasurer and other appropriate officers are hereby authorized to take such actions and give such certifications as may be appropriate to assure such tax exemption of interest on the Series 1986 B Bonds.

Section 6. Further Covenants. In addition to the covenants elsewhere contained herein, the University further covenants as provided in Section 13 of the Series 1985 A Bond Resolution, which covenants are incorporated herein as if fully set forth herein.

Section 7. Third Supplemental Indenture, Remarketing Agreement, Standby Agreement and Other Documents. In order to better secure the payment of the Bond Service Charges as the same shall become due and payable, the Chairman, the President of the University, the Secretary of the Board and the Treasurer, or any one or more of them, are authorized and directed to execute, acknowledge and deliver to the Trustee, the Remarketing Agent and the Bank, in the name and on behalf of the University and pursuant to the Original Indenture, the Third Supplemental Indenture, the Remarketing Agreement and the Standby Agreement, respectively, each in substantially the

July 10 and 11, 1986 meeting, Board of Trustees

AUTHORIZATION, ISSUANCE AND SALE OF VARIABLE RATE DEMAND GENERAL RECEIPTS BONDS, SERIES 1986 B, OF THE OHIO STATE UNIVERSITY (contd)

form submitted to this Board, or to such officers on behalf of this Board and the University, and hereby approved, with such changes therein as are not substantially adverse to the University and as may be permitted by the Act and approved by the officers executing the same on behalf of the University. The Third Supplemental Indenture shall also include the form of the Series 1986 B Bonds (the "Form of Bond"), attached thereto as Exhibit A. The execution of such documents by any of the officers shall conclusively evidence that the officers and the Board approve such changes and that such changes are not substantially adverse to the University. Each of such officers is further authorized to execute and deliver on behalf of the University such other certificates, documents and instruments as are necessary in connection with the acts authorized by this Resolution.

Section 8. Text of Resolution. The text of this Resolution authorizing the issuance and sale of the Series 1986 B Bonds and related acts by the University may be changed for the purpose of curing any ambiguity, inconsistency or formal defect or omission in this Resolution or in respect of this Resolution as it relates to the Original Indenture, the Third Supplemental Indenture, the Certificate of Award, the Form of Bond, the Contract of Purchase, the Official Statement, the Remarketing Agreement or the Standby Agreement. Such changes shall be subject to the approval of any one of the officers (referred to in Section 7 above) as being changes not substantially adverse to the University or contrary to the true intent and meaning hereof and shall be acceptable to Bond Counsel (as defined in the Original Indenture).

Section 9. Open Meeting Determination. It is found and determined that all formal actions of the Board concerning and relating to the adoption of this Resolution were adopted in an open meeting of the Board, and that all deliberations of the 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 Revised Code.

Section 10. Effective Date. This Resolution shall take effect and be in force immediately upon its adoption. Reference shall be made to the Original Indenture and the Third Supplemental Indenture concerning matters not specifically addressed in this Resolution.

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

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President Jennings made the following statement:

Mr. Chairman, one more item--it does not require official action--but I think it is important to all of us to note that at our next meeting in September, Myles Brand will report to you on Educational Affairs in his capacity as Vice President for Academic Affairs and Provost. On behalf of the University, I would like to express at this time our deep debt of gratitude, deep appreciation of the service that Dr. Firebaugh has rendered to this University. She came in with no slip at all, picked up where Deither left off, in the accomplished way that she has. I think that Ohio State University will be forever grateful to her for providing this great leadership to the institution during the changing

July 10 and 11, 1986 meeting, Board of Trustees

President Jennings: (contd)

times. Francille, on behalf of all of us, we deeply appreciate what you have done and we thank you from the bottom of our hearts. We expect a great deal more--she is not leaving--and she will be working on our international activities and she will, I know, do an outstanding job there, too.

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REPORT - UNIVERSITY'S INVESTMENT PORTFOLIO

Resolution No. 87-24

RESOLVED, That the report on the University's Investment Portfolio, dated June 20, 1986, 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, September 4, 1986, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, at 6:30 p.m.

Attest:

Madison H. Scott
Secretary

Daniel M. Galbreath
Chairman

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APPENDIX I
Degrees Conferred at
THE OHIO STATE UNIVERSITY
COMMENCEMENT CONVOCATION
August 29, 1986

Commencement Speaker

Francille M. Firebaugh

Francille M. Firebaugh has served The Ohio State University as a faculty member and academic leader since 1962. A professor of family resource management, as well as the University's vice provost for international affairs, she first came to the University as a member of Ohio State's home economics faculty. Since then she has served as director of the School of Home Economics; associate dean of the College of Agriculture; acting vice president for agricultural administration and executive dean for agriculture, home economics, and natural resources; associate provost and vice provost for international affairs; and as acting vice president for academic affairs and provost.

Firebaugh earned a doctoral degree in household economics and management at Cornell University, having received her master's and bachelor's degrees in related fields from the University of Tennessee and the University of Arkansas, respectively. Her interests in home economics, international development, and higher education administration are reflected in her numerous academic publications and presentations. Her leadership roles with national and international professional and higher education associations include service as a member of the board of directors of the Midwest Universities Consortium for International Activities.

In recent years, a special interest of hers has been the role of women in the economic development of Third World countries. Her extensive overseas experience includes work in Egypt, India, Malaysia, and Europe. As an internationally known consultant on home economics, she has served the profession of higher education as a member of teams reviewing academic programs in that field.

Firebaugh's leadership in academic and international affairs and in the colleges of Agriculture and Home Economics has been central to many areas of change and progress at Ohio State. As vice provost for international affairs, she brings her experience to a vast and growing interdisciplinary area that is of increasing importance to Ohio State, as well as higher education as a whole.

Recipients of Honors

Dale B. Baker Doctor of Science

Dale B. Baker was director of Chemical Abstracts Service in Columbus from 1958 until his retirement earlier this year. When he became director, Chemical Abstracts was a small, financially troubled abstracting and indexing service that was finding it difficult to maintain timely coverage of the growing volume of literature on chemical science and technology. Under his leadership, Chemical Abstracts became financially sound and modernized its information handling and publishing methods. Baker initiated a research and development program that placed it in the international forefront of the application of computers to the processing and handling of chemical information. Chemical Abstracts is now the world's largest nongovernmental scientific and technical information processor.

A native of Bucyrus, Ohio, Baker received his bachelor's and master's degrees from Ohio State in 1942 and 1948, respectively. After working as a chemist with duPont, he joined Chemical Abstracts Service in 1946 as an assistant editor. After promotions to associate editor and then associate director, he became director of Chemical Abstracts in 1958. In addition to his duties at Chemical Abstracts, he became chief operating officer of the American Chemical Society in 1980 and served as its deputy executive director from 1983-86.

Dale Baker has played a significant role in promoting the exchange of scientific and technical information nationally and internationally. He has held leadership positions in the International Council of Scientific and Technical Information, serving as general secretary from 1983-86. He has been a member of committees of the International Union of Pure and Applied Chemistry, the Organization for Economic Cooperation and Development, and UNESCO. Baker is a fellow of the American Association for the Advancement of Science and past president of the American Society for Information Science and the National Federation of Abstracting and Information Science.

Baker contributes his time and service to the community through such organizations as the Center for Science and Industry, the Columbus Area Chamber of Commerce, Rotary International, and North Broadway United Methodist Church. He has been a dedicated supporter of Ohio State. Baker served as president of The Ohio State University Alumni Association (life member) and as a member of the board of directors of the Development Fund and the Research Foundation.

The recipient of numerous honors for his professional activities, Baker has received an Alumni Centennial Award and a College of Engineering Distinguished Alumnus Award from Ohio State. The University is proud to recognize Dale B. Baker for his productive and innovative career.

John Deaver Drinko Doctor of Laws

John Deaver Drinko is an attorney and senior adviser to the managing committee of the law firm of Baker & Hostetler, which is based in Cleveland and has offices in Columbus, Denver, Washington, and Orlando. He joined the firm in 1945 and was made managing partner in 1969. During his career he gained a national reputation as an attorney and has been called on frequently to consult with businesses, other law firms, and judges concerning complex legal questions. During this time, he helped to build Baker & Hostetler from a well-regarded local firm to one of the 20 largest law firms in the nation.

Drinko received his bachelor's degree from Marshall University and earned a law degree from Ohio State in 1944.

Drinko serves as chairperson of the Cleveland Institute of Electronics Inc. and is a director of the Standard Products Company, Preformed Line Products Company, Cloyes Gear and Products Inc., Orvis Inc., Double D Ranch Inc., and Jones-Zylon Inc. He is an officer and trustee of the Arnold Foundation, the Cleveland Institute of Electronics Charitable Foundation, the Hostetler Foundation, the Mellen Foundation, and the Thomas F. Peterson Foundation. In the philanthropic circles of greater Cleveland, he has benefitted such institutions as the Case Western Reserve Law School, University Hospitals, the Cleveland Clinic Foundation, and the John Carroll University School of Business.

Drinko's involvement with Ohio State has been active and generous. In April 1986, he was elected to the board of directors of The Ohio State University Foundation. He has served two terms on the Executive Committee of The Presidents Club and one term on the board of directors of The Ohio State University Development Fund.

As an active advocate of the College of Law, Drinko has served as president of the college's national council and has helped to establish the C. William O'Neill, John W. Bricker, and Newton D. Baker-Baker & Hostetler Endowed Professorships and the Noel F. George-Baker & Hostetler Library Fund. This year, along with his wife Elizabeth G. Drinko, colleagues, friends, and other contributors, he established the John D. Drinko-Baker & Hostetler Chair in Law.

In recognition of his service to Ohio State, Drinko received an Alumni Centennial Award in 1970 and the Distinguished Service Award in 1981. The University now proudly confers this new honor upon this well-respected alumnus.

Recipients of Honors

Paul Louis Lehmann **Doctor of Humane Letters**

Paul Louis Lehmann is regarded as one of the most active and influential theologians of modern times. Through more than half a century of teaching and writing, he has influenced countless numbers of students, professors, and others with an interest in philosophy and ethics. He has been characterized as a pioneer in the application of biblical and traditional Christian thought to the ethical issues that face the modern human race. One former student and colleague has written that Lehmann "has done more on an intellectual level than almost any person in America to relate the great generalities of the Christian theological tradition to the most concrete and specific of life-style and behavioral guidelines for religious people inside and outside the churches." This work in the area of "contextual ethics" has been presented in Lehmann's best-known books, *Ethics in a Christian Context*, published in 1963, and *The Transfiguration of Politics*, published in 1975, and in numerous other publications.

Lehmann is the Charles A. Briggs Professor of Systematic Theology, Emeritus, at Union Theological Seminary, in New York. He retired in 1974, after a teaching career that also included positions at Wellesley College, Princeton Theological Seminary, and Harvard University. Since his retirement, he has lectured extensively across the nation and has held several visiting professorships. He is a graduate of Ohio State, where he received a Bachelor of Arts with honors and a Bachelor of Science degree in education in 1927. He went on to receive a Bachelor of Divinity and a Doctor of Theology from Union Theological Seminary. Lehmann was ordained as a minister in 1937.

Lehmann has maintained a strong commitment to the practice of his philosophies. He has been active in worldwide Christian organizations, served as a delegate to the World Council of Churches, was president of the American Theological Society, and has been involved in causes for peace and assisting churches in oppressed nations. He was a leader of the Emergency Committee on Civil Liberties during the McCarthy era, and more recently, he has been active on the Committee for the Protection of the Foreign Born.

He has received honorary degrees from Lawrence College, Harvard University, Elmhurst College, Colorado College, and the University of Tubingen.

Ohio State proudly recognizes the significant contributions to society that have been made by this distinguished teacher and scholar.

Distinguished Service Awards

Virginia S. Conn Distinguished Service Award

From her days as an Ohio State undergraduate to the present, Virginia S. Conn's name has been synonymous with service to the University. While pursuing a Bachelor of Arts degree and a Bachelor of Science degree in education that she would receive with distinction in 1938, her activities included Strollers Dramatic Society, the Browning Dramatic Society, the Pomerene Advisory Board, and Women's Ohio (Student Senate). She was inducted into Chimes, Mortar Board, and the educational honorary Pi Lambda Theta.

Since completing her undergraduate studies and subsequently earning a master's degree in 1942, Conn has been an active and dedicated alumna. As a life member of the Alumni Association, she has served on the association's board of directors, as well as on the board of directors of the Development Fund. Conn is a past president of the Franklin County Alumnae Club, the Alumnae Council, and the Alumnae Scholarship Houses Advisory Board. She has served on planning committees for numerous Women's Day seminars and is a past chairperson of "A Day with the Arts." In 1985, she chaired the 50th reunion activities for the Alumnae Scholarship Houses and the Alumnae Council.

Conn was a member of the continuing education planning committee, which led to the existence of noncredit continuing education programs, and is a past president of the Starling-Ohio Women's Club, an organization of wives of University medical and dental faculty.

The community has benefited from Virginia Conn's efforts as well. She is a past president of the Women's Auxiliary to the Academy of Medicine of Columbus and Franklin County and the Canterbury Unit of the Columbus Symphony Orchestra. She has also been secretary and chairperson of women's special gifts during her 25 years of service to the Franklin County Heart Council.

Conn received the University's Alumni Centennial Award in 1970. Ohio State is pleased to present her with the Distinguished Service Award in recognition of her many years of unselfish devotion to Ohio State and the community.

Arthur E. Shepard Distinguished Service Award

Arthur E. Shepard is chairperson emeritus of the insurance brokerage firm, Turner & Shepard Inc., a subsidiary of Alexander & Alexander Inc. He now serves as a consultant to Alexander & Alexander. A native of Cambridge, Ohio, Shepard attended Ohio State in the College of Commerce in the early 1930s and also attended Franklin University. He holds the CLU designation from the American College of Life Underwriters. He is president of Mar-Lyn Corporation.

Shepard has been an enthusiastic and generous supporter of Ohio State for many years. He joined The Presidents Club in 1966 and has been a member of its Executive Committee for 11 years. He completed his fifth term as chairperson of the Executive Committee in May.

In 1982, he established the Arthur E. Shepard Professorship in Insurance in the College of Business. Shepard has also supported the Athletic Grant-in-Aid program, the Friends of WOSU, and the College of Medicine through additional gifts to the University. He is a charter member of The Presidents Council.

In addition to his Presidents Club involvement, Shepard is a member of the National Campaign Committee for The Ohio State University Campaign, and he serves on the Nominating Committee of the board of directors of The Ohio State University Foundation. He is a member of the University's Alumni Association.

Shepard has been active in professional circles and in the community. He is past president of the Columbus chapter of the American Society of Chartered Life Underwriters and a past board member of the Columbus Life Underwriters Association. He is a past board member of the Columbus Area Chamber of Commerce and served on the Columbus Downtown Action Committee. He has been a member of the Development Committee for Greater Columbus Parks and Recreation Committee. He also served as chairperson of the First Community Church Board and First Community Foundation.

Shepard's generosity has also benefited the United Way of Franklin County, Children's Hospital, the Columbus Heart Association, the Center of Science and Industry, the Columbus Symphony, the Columbus Museum of Art, the Columbus Association for Performing Arts, the Columbus Zoo, and other educational and charitable organizations.

Shepard received an Honorary Alumni Award from Berea College in 1980. Ohio State is grateful for his dedication and is pleased to extend this honor to him.

The Graduate School

Dean: Roy A. Koenigsnecht

Doctor of Musical Arts

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Mary Katherine Ostwald, Watervliet, NY; B.S. (The College of Saint Rose); *Art*

Master of Health Administration

Jo Ann Fisher, Columbus; B.S. (Capital University); *Hospital and Health Services Administration*

Master of Labor and Human Resources

Beth Ann Herold, Columbus; B.S.Bus.Adm.; *Labor and Human Resources*

Sally Beondo Kreuchauf, Reynoldsburg; B.S.Ed.; *Labor and Human Resources*

Anne Allyn Rosher Peterson, Columbus; B.A., M.A. (University of Chicago); Ph.D.; *Labor and Human Resources*

Thomas Nelson Shiflet, Newark; B.S.Bus.Adm.; *Labor and Human Resources*

Glenn Scott Warrick, Newark; B.A.; *Labor and Human Resources*

Master of Landscape Architecture

Yunn-Tay Lee, Tainan, R.O.C.; B.Arch. (Chung-Yuan University); *Landscape Architecture*

Master of Liberal Studies

Deborah Sue Akers, Columbus; B.A.; *Liberal Studies*

Master of Music

Laura McGahee Baxter, Bristol; B.A. (Emory University); *Music*

Catherine Charlton, Cary, NC; B.Mus. (Trinity University); *Music*

Sung Um Kim, Daegu, Kyeongpook, R.O.C.; B.M. (Youngnam University); *Music*

Elizabeth Gretchen Vogel, Mequon, WI; B.Mus. (University of Wisconsin); *Music*

Master of Public Administration

Leigh Irwin Levine, Deerfield, IL; B.A. (Miami University); *Public Administration*

Lori Annette Trego, Delaware, B.A. (Ohio Wesleyan University); *Public Administration*

Master of Science

Kevin Dale Adams, Leesburg; B.S.Agr.; *Agricultural Economics and Rural Sociology*

Mahmoud Ahmadi, Saveh-Doozaj, Iran; B.A. (Jersey City State College); *Agronomy*

Eric Carl Anderson, Toledo; B.S., B.S. (Ohio University); *Physics*

Francisco Antonio Andujar, Dominican Republic; B.S. (Liceo Jose Marti); D.V.M. (Universidad Autonoma de Santo Domingo); *Veterinary Pathobiology*

Robert James Avery Atherton, Newcomerstown; B.S.Agr.; *Agricultural Education*

Rajendra Ratna Bajracharya, Kathmandu, Nepal; B.Sc. (Northeast London Polytechnic); *Geodetic Science*

Kayvan Barin, Tehran, Iran; B.S.E.E.; *Electrical Engineering*

Eve Louise Baron, Marion; B.A.; *Agricultural Economics and Rural Sociology*

George William Baxter III, Bristol, TN B.S. (Emory University); *Physics*

Jewel Renee Best, Goldsboro, NC; B.S. (North Carolina Central University); *Home Economics*

Vishwa Bhushan, Jamshedpur, India; B.Tech. (Indian Institute of Technology, Kharagpur); *Mining Engineering*

Jeannette M. Bidinger, Gahanna; B.S. (University of Akron); *OSI Biochemistry Program*

Peter James Borton, Minerva; B.S. (Muskingum College); *Electrical Engineering*

Nadine Smythe Bostwick, Columbus; B.S.H.E.; *Home Economics*

Rethia Sue Boyce, Niangua, MO; B.S. (University of Missouri-Rolla); *Ceramic Engineering*

- Peggy Lou Braddock**, Columbus; B.S.N. (Ohio University); *Nursing*
- Dorothy P. Brandon**, Alton, VA; B.S. (Norfolk State University); *Home Economics*
- Michael Kevin Budinski**, Rochester, NY; B.S. (State University of New York at Buffalo); *Metallurgical Engineering*
- John Arnold Bunge**, Columbus; B.A. (Macalester College); M.A. (Miami University); *Statistics*
- Shu-Wha Chen**, Taichung, R.O.C.; B.S. (National Taiwan University); *Civil Engineering*
- Hoong-Leong Chew**, Taipei, R.O.C.; B.S. (National Taiwan University); *Civil Engineering*
- Han-Ru Chu**, Taipei, R.O.C.; B.S. (National Chung-Hsing University); *Civil Engineering*
- Fu-Chien Chung**, Kaohsiung, R.O.C.; B.S. (National Cheng-Kung University); *Metallurgical Engineering*
- Leonid Chuzhoy**, Columbus; B.S.M.E.; *Mechanical Engineering*
- Michael John Colburn**, Columbus; B.S.I.S.E.; *Industrial and Systems Engineering*
- Debra Irene Collins**, Columbus; B.S. (Ashland College); *Home Economics*
- Gilbert Wilson Collins III**, Columbus; B.S., B.A. (University of Cincinnati); *Physics*
- James Michael Colvin**, Norwalk; B.S. (University of Notre Dame); *Bio-Medical Engineering*
- Hector Patricio Contreras**, Santiago, Chile; Ingeniero Civil (Universidad de Santiago de Chile); *Geodetic Science*
- Curtis Clair Cowan**, Elyria; B.S.M.E.; *Mechanical Engineering*
- Susan Patricia Crank**, Groveport; B.S.Agr.; *Agricultural Education*
- David Jon Darkow**, Akron; B.S.E.E.; *Bio-Medical Engineering*
- Hartono Darmawaskita**, Indonesia; B.S.E.E.; *Electrical Engineering*
- Janice Elaine Dean**, Worthington; B.S., M.S. (Texas Christian University); *Nursing*
- Cheryl H. DeVore**, Columbus; B.A.; *Allied Medical Professions*
- Clark Richard Dohrmann**, Tullahoma, TN; B.S.M.E.; *Mechanical Engineering*
- Mary Ellen Domask**, Worthington; B.S.N. (George Mason University); *Nursing*
- Glen Patrick Doucet**, Grosse Tete, LA; B.S. (University of Southwestern Louisiana); *Metallurgical Engineering*
- Thomas Gerard Dunford**, Jacksonville Beach, FL; B.S. (The University of Florida); *Metallurgical Engineering*
- Lance E. Durfey**, Fulton, NY; B.S. (Cornell University); *Natural Resources*
- Lisa Jo DuVernay**, Columbus; B.S.Met.E.; *Metallurgical Engineering*
- Scott Ruggles Ellis**, Huron; B.S.Ch.E.; *Bio-Medical Engineering*
- Arthur Evan Exten**, Columbiana; B.S. (United States Military Academy); *Physics*
- Linda Elizabeth Francetic**, Euclid; B.S.Nutrition; *Home Economics*
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- David Michael Fronk**, Columbus; B.S.M.E.; *Bio-Medical Engineering*
- Jill Marie Funfar**, Pittsburgh, PA; B.S.N. (University of Pittsburgh); *Nursing*
- Beena Garg**, Kota, Rajasthan, India; B.E. (Birla Institute of Technology and Science); *Computer and Information Science*
- Suresh Venkata Garimella**, Visakhapatnam, India; B.Tech. (Indian Institute of Technology, Madras); *Mechanical Engineering*
- Robert Wayne Gatewood**, Wollaston, MA; B.A., M.S. (Marshall University); *Environmental Biology*
- Victoria Irene George**, Newark; B.S.Agr.E.; *Agricultural Engineering*
- Lawrence C. Gerken, Jr.**, Holgate; B.S.; *Agricultural Education*
- Asish Ghosh**, Columbus; B.Tech. (Indian Institute of Technology, Kanpur); *Ceramic Engineering*
- Michael Parker Gibson**, Columbus; B.S.; *Mathematics*
- Lorelei Linda Grines**, Dublin; B.S.Pharm.; *Pharmacy*
- Kathleen Frances Groch**, Chicago, IL; B.S. (Saint Xavier College); *Nursing*
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- Changxia He**, Chongqing, P.R.C.; B.S. (Southwest Agricultural University); *Agricultural Education*
- Richard E. Herrold**, Columbus; B.A. (The College of Wooster); *OSU Biochemistry Program*
- Scott Edward Hess**, Urbana; B.S.Agr.; *Animal Science*
- Kamaludin Hj. Mohd. Omar**, Sabak Bernam, Selangor, Malaysia; B.Sc. (University Technology); *Geodetic Science*
- Chyi-Fwu Horng**, Columbus; B.S. (Tamkang University); *Civil Engineering*
- Yunkui Hou**, Wuhan, HuBei, P.R.C.; B.S. (Wuhan Technological University of Survey); *Geodetic Science*
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- Martha Scheper Huss**, Reynoldsburg; B.A. (Marian College); B.E.E. (University of Dayton); M.S. (Purdue University); *Electrical Engineering*
- Ann Beth Jenkins**, Bowling Green, KY; B.S. (Western Kentucky University); *Home Economics*
- Peter Allan Jensen**, Canberra A.C.T., Australia; B.S. (Western Australian Institute of Technology); *Geodetic Science*
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- John Gerard Jurcak**, Cleveland; B.S. (University of Dayton); *Chemistry*
- Joseph Francis Kanney**, New Washington; B.S.A.A.E.; *Aeronautical and Astronautical Engineering*
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Diane Marie Schotzinger, Tallmadge; *Home Economics*

Michael Christopher Shaw, Columbus; B.S. (University of California, Berkeley); *Ceramic Engineering*

James Brian Shilling, Columbus; B.S.A.A.E.; *Aeronautical and Astronautical Engineering*

Alison Achbach Smith, Westerville; B.S.; *Environmental Biology*

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Jinyoung So, Seoul, South Korea; B.S. (Seoul National University); *Engineering Mechanics*

Karen Lee Stanley, Proctorville; B.S. (West Virginia University); *Nursing*

Carolyn Supplee, Mantua, NJ; B.A. (Goucher College); *Chemistry*

Barbara Rose Sweeting, New Haven, CT; B.S. (Southern Connecticut State University); *Chemistry*

Patricia Taige, Ottobrunn, West Germany; Diplom-Ingenieur (Fachhochschule Karlsruhe); *Bio-Medical Engineering*

Donald Frank Tandy, Jr., Beavercreek; B.S.M.E.; *Mechanical Engineering*

Andrew William Taylor, Madison, WI; B.S. (University of Wisconsin); *Dairy Science*

Anthony Thermos, Eleusis, Attica, Greece; B.S.A.A.E.; *Aeronautical and Astronautical Engineering*

Ouida Lauretta Thomas, Upper Marlboro, MD; B.S.N. (Columbia Union College); *Nursing*

Gayle M. Timmerman, Delaware; B.S.N. (University of Florida); *Nursing*

Gene Vanwinkle Todd, Hebron; B.S.H.E.; *Home Economics*

Hock-Siew Toh, Muar, Johore, Malaysia; B.S. (National Taiwan University); *Civil Engineering*

Joseph Michael Usoff, Franklin, PA; B.S. (Carnegie-Mellon University); *Electrical Engineering*

Onyx W.H. Wai, Kowloon, Hong Kong; B.A.Sc. (University of Windsor); *Civil Engineering*

Thomas Allen Waite, Calais, ME; B.A. (University of Maine); *Zoology*

Thomas Michael Walliser, Columbus; B.S.M.E.; *Mechanical Engineering*

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Dean Alan Wheeler, Shaker Heights; B.S.Met.E.; *Metallurgical Engineering*

Matthew Wilmer White, Worthington;
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Welding Engineering

Paula Ann Snyder Wiley,
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Missouri-Rolla); *Chemical Engineering*

Joan Elizabeth Williams, Columbus; B.S.
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Cynthia Marie Wise, Dayton; B.S.Met.E;
Metallurgical Engineering

Sancai Xie, Wuhan, Hubei, P.R.C.; B.S.
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Science*

Deborah Lynne Young-Bowden,
Ostrander; B.S.Agr.; *Agricultural Education*

Nabil Ali Zayyad, Belleglade, FL; B.S.
(University of Florida); *Civil Engineering*

Master of Social Work

Michael Earl Bush, Columbus; B.S.
(Capital University); *Social Work*

Mee-Hye Kim, Seoul, South Korea; B.A.,
M.A. (Ewha Women's University); *Social
Work*

Michael Flynn Novak, Union; B.S.
(Wright State University); *Social Work*

Renée Annette Ross, Shreveport, LA; B.S.
(Evangel College); M.A. (Louisiana
Technical University); *Social Work*

Heidi Lind Steinbrenner, Wellesley;
A.S.W., B.S.W. (University of Cincinnati);
Social Work

Alicia Virene West, Hilliard; B.S.; *Social
Work*

Bernard Floyd Williams, Jr., Columbus;
B.A.; *Social Work*

Thomas Lynn Woolison, Mt. Vernon;
B.S.Agr.; *Social Work*

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Chairman, Coordinating Council of Deans:
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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

Robert Lloyd Carson, Alexandria, VA
Kim Lowry Graham, Upper Arlington
Mark S. Maselli, Columbus
Kimberly Ann Menning, Annandale, VA
Louie Douglas Peabody, Greenfield
Ronda L. Ruble, Kettering
Joseph Edward Walters, Bexley
Elizabeth Ann Wanser, Chagrin Falls
Mark C. Weiser, Canal Winchester

Bachelor of Fine Arts

Apryl Andrea Allen, Columbus
Jeffrey Park Arter, Ontario
Paul Thomas Carroll, Garden City, NY
Deborah Ann Clendening, Cincinnati
Carlotta Maria Colombo, New Carlisle
Anita Rose Dorsey, Columbus
Dana Lynn Fritz, North Royalton
Howard Dexter Gasaway, Upper Arlington
Karen Denise Kneisley, Strongsville
Daniel Lee Kraft, Circleville
Gavin Scott Levin, San Diego, CA
Barbara Susan McVay, Columbus
Gail Marie Peper, Ada
Thomas Edwin Phillips, Jr., Portsmouth
Mark Stephen Pigram, Louisville, KY
Lisa Gail Sillman, Columbus
Melanie Joy Stanley, Nelsonville
Eric Vaughn Stogdill, Columbus

Bachelor of Music

Matthew MacDonald Huesmann, Powell
Susan Kay Johnson, Warren
Russell Woodworth Lossing, Columbus

Bachelor of Art Education¹

Jacquelyn Jae Klema, Pataskala
Jean Marie Rowley, Ashtabula
Staci Lynne Sperling, Youngstown

Bachelor of Art Education²

Ellen Rose Efsic, Columbus
Mary Anne Frecka, Mansfield
Pamela Sue Gross, Lyndhurst
Margaret Wilbur Oakley, Berea

Bachelor of Music Education²

Eric Rigoberto Godoy, Wheaton, IL
Randy Jay Manypenny, Columbus
Orin S. Mayer, Columbus
Joseph Edward Reed, Belle Center
Lauri Ann Sutterfield, Peru, IN
William John Thissen IV, New Albany

Bachelor of Science in Industrial Design

James Michael Byrne, Mansfield
Alan Jazak, Garfield Heights
Carol Ann Lombardi, Columbus
Brian Noel Miller, Dayton
P. Kelly Mooney, New Lexington
David Robert Schirtzinger, Columbus
Kim A. Yankovich, Strongsville

College of Biological Sciences

Dean: William A. Jensen

Bachelor of Science

Brent Steven Applebaum, Columbus
Michael K. Barron, Loveland
Pamela Sue Bridges, Columbus
Kathleen M. Bulman, Randolph, MA
Francis Marion Burns II, Columbus
Kathleen Louise Butler, Columbus
Warren Scott Chapman, Alliance
Henry George Covetta, Mentor
William Charles Gerard, Garfield Heights
George Theodore Glaros, Massillon
Carol Ann Goodman, Parma Heights
Pamela Jean Herring, Findlay
David Powell Hunt, Hamilton
Paul Joseph Ingrao, Columbus
David Michael Johnson, Minerva
William Benjamin Larson, Chagrin Falls
John M. Lepi, Wakatomika
Edward Michael Lewis, Columbus
Michael Patrick McBride, Columbus

¹Offered by the College of the Arts

²Offered by the College of the Arts and the College of Education

Christopher Troy Nassif, Cleveland
Daniel Edward Nixon, Bellefontaine
Kevin Michael Rodeman, Toledo
Melissa S. Roth, Conneaut
Kathleen Ann Smith, Vermilion
Marjean Ann Taylor, Bay Village

College of Humanities

Dean: G. Micheal Riley

Bachelor of Arts

Steven Marc Adler, Dayton
James David Alexander, Huber Heights
Barbara Anne Ashley, Ithaca, NY
Andrew Scott Baldy, Galion
Sharon Denise Ballard, Cleveland
Brett Ralph Barker, Columbus
Joyce Ellen Bell, Berea
Sandra Lois Blevins, Columbus
Gilbert Max Bogner, Mansfield
Katherine Elaine Botkin, Columbus
Eric Todd Buchanan, Salem
John M. Crawford, Fort Wayne, IN
Kevin W. Eggerman, Bay Village
Chase Eyster, Fredericktown
Kimberly Jai Fagerstrom, Odessa, TX
Lori J. Faris, Mentor
Mario Joseph Fazio, Willoughby Hills
Joyce Ann Fee, Maple Heights
Kenneth Lee Hagy, Toronto
Renée Marie Holland, Shaker Heights
Teresa Ann Horstman, Dublin
Kimberly F. Jones, Pickerington
John Wright Kennedy, Upper Arlington
Ann Klena, Akron
Benjamin Sun-Ching Ko, Columbus
Michael Anthony Lanese, Mayfield Village
Alan Gregory Lewis, South Euclid
Rosemarie Janet Lim, Toledo
John Robert Lindamood, Worthington
Colleen Brigid Malone, Columbus
Denise Elaine Maragos, Steubenville
Mark Allen McNamara, Columbus
Kellie Renee Nagel, Columbus
Timothy Clark Odom, Villa Hills, KY
Michael James Pappas, Upper Arlington
Terri Lynn Rutter, Columbus
Cynthia Louise Sands, Columbus
Linda Blanchard Santamaría, Columbus
Monte Gene Smith, Granville
Arlene Tannehill, Columbus
Mary Melinda Triner, Chicago, IL
Roger V. Vorst, Kalida
Lisa Michele Walls, Greenfield
Julie Kay Welsh, New Philadelphia

College of Mathematical and Physical Sciences

Acting Dean: John O. Riedl, Jr.

Bachelor of Arts

Erlinda Dabbay Dela Rosa, Manila, Philippines
Douglas Mark Feller, Hartville
Barbara Jean Miller, Avon Lake
Joyati Ray-Chaudhuri, Worthington
Karen Beth Thomas, Alliance

Bachelor of Science

Akram Abdelqader Alish, Amman, Jordan
Stephen Michael Betschman, Norwalk
Sally Lee Buck, Loveland
Paul A. Crouch, Greenfield
Robert D. Cunningham II, Shaker Heights
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Droupadi Dharmavaratha, Sri Lanka
Amy J. Eschhofen, Bryan
Gayle Lynn Geistweite, Reynoldsburg
Paul Sidney Gregg, Marysville
Ann Elizabeth Hamilton, Sturgis, MI
Susan Lynn Harbottle, Canton
Lora Ann Harris, Toronto
Jonathan Patrick Jester, Delphos
Raymond Lawrence Kennedy, Worthington
Jeffrey Douglas Kister, Reynoldsburg
Daniel Gregg Lincicome, Columbus
Edward George Merrin, Amsterdam
Mark Wayne Miller, Salem
Thomas Joseph Mullen, Chardon
Stephen William Park, Columbus
John F. Paskievitch, Reynoldsburg
Thomas Daniel Pomeroy, Columbus
Christopher W. Raudabaugh, Celina
Sonya D. Ray, Dayton
Margaret Kiyoko Sato, Columbus
Jan Raymond Satola, Anchorage
Patricia Caroline Schwartz, Lorain
Larisa Slutsky, Columbus
Michael Smock, Westerville
Michael Dan Sumption, Gahanna
Laura Elaine Tulloss, Utica
G. Michael Vaughan, Hartville
Robert Louis Velenyi, Lyndhurst
Heidi Rosemarie Wenger, Columbus

College of Social and Behavioral Sciences

Dean: Joan Huber

Bachelor of Arts

Therese Marie Abel, Columbus
William P. Allen, Greenwood, DE
James C. Anderson, Columbus
Traci Joi Anthony, Cleveland

Sharon Elisabeth App, Columbus
Karl Alan Arula, Parma
Rebecca R. Bailey, Johnstown
Robin Elizabeth Bailey, Bay Village
Craig Alan Bales, Waynesfield
Sharon Denise Ballard, Cleveland
Charles Andrew Banks, Chagrin Falls
Carla Ann Bardsley, Marietta
Cara Leigh Beaurline, Greenwich, CT
Jacqueline Victoria Bland, Cleveland
Rebecca Lynn Blubaugh, Mt. Vernon
Mary Ann Bonarrigo, Columbus
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Timothy A. Brogan, Warren
Janice Carol Brown, Marion
Rodger Julius Brown, Jr., Columbus
Tracy Lynn Buckingham, Dublin
Violet Ann Bungartner, Westerville
Michael Anthony Burcus, Columbus
Pamela Ann Cadora, Columbus
C. Daniel Carroll, Cincinnati
Sheryl L. Chatfield, Grove City
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Robert F. Conners, Columbus
Jay Dee Cronley, Kenton
Tracy Lynn Cunningham, Orrville
Michael Richard Deakins, Columbus
Thomas Christopher Defet, Englewood
Dean Michael DeMassimo, Garfield Heights
Jennifer Anne Diederich, Columbus
Dorcas Dee Drozdenko, Bellefontaine
Faith Dunson, Dayton
Roger Allen Eldridge, Mansfield
Mark Eric Engle, Columbus
Mark Thomas Favetti, Richmond Heights
Kenneth L. Ferguson, Columbus
Mark Jay Fierman, Lyndhurst
Tara Lynn Fitch, Stockport
Stacy Lee Fogarty, Columbus
Betsy Jill Freedman, Cincinnati
Robin L. Freedman, Columbus
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John Halliday Hayes, Dallas, TX
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Maria Heleni Kambitsi, Athens, Greece
Paul Joseph Karem, McMurray, PA

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Scott Richard McCray, Upper Arlington
Pamela Hauke McGinnis, Hillsboro
Amy J. McGookey, Sandusky
Marjorie Louise Mershon, Warren
Rebecca Sue Milford, Granville
Jay Richard Miller, Delaware
Kimberly Gordon Mills, Cincinnati
Cynthia Louise Minnich, Columbus
Beth Mitchell, Westerville
Christopher James Moyer, Mentor
Matthew Grant Mullaney, Cincinnati
Scott Russell Needleman, Columbus
Michael Robert Nusbaum, Toledo
Robin Benita Ogletree, Columbus
Robert Raymond Olszewski, Warren
Karen Celeste Orr, Reynoldsburg
Debora F. Pariano, East Sparta
Diane Marie Perri, Columbus
Jan Elizabeth Piehowicz, Columbus
Monica Marie Pockar, Euclid
Gregory Michael Policka, Grand Rapids, MI
Dean William Printy, Sandusky
Stephen G. Rady III, Toledo
Antonietta Ragone, North Royalton
Laura Ann Reichert, Worthington
Paul Stephen Richardson, Upper Arlington
Shelly Kay Robinson, Centerville
Michael J. Roesch, Columbus
Eric Steven Rogoff, Beachwood
William Carl Scheel, Stratton
Kurt William Schloss, Akron
Sharon Anne Schneider, Avon Lake
Heidi Carlson Schwenkel, Lakewood
Paula Lynn Slakis, Columbus
Amy Lynne Slemmons, Marion
Jeffrey Wayne Slyh, Columbus
James Donald Smith, London
Michelle Marie Smith, Colliers, WV
Karl Boyd Spaulding, Hillsburg
Gavin Daniel Spitzner, Westerville
Andrew Barry Stayman, Dayton
Yvonne Marie Stewart, Canfield
Jon Kevin Stump, Dublin
William Michael Taber, West Palm Beach, FL
Lawrence James Taylor, Troy

Michelle Ann Thompson, Queens, NY
Todd Charles Trickler, West Carrollton
Kimberly Susan Whitcomb, Columbus
Kim L. Williams, Cleveland
Joseph David Wisne, Columbus
Jane Wong, Columbus

Bachelor of Science

Kenneth Evans Baxter, Columbus
Marilyn Bernstein, Beachwood
Sharon Lee Biddle, Columbus
Eric Lewis Bonder, Ann Arbor, MI
Jeanne Renee Bridenbaugh, Pandora
Barbara Ann Dauenhauer, Little Ferry
Lisa Ann DeMatteo, Columbus
Lisa Annette Freed, Rittman
James Randell Goff, Jackson
Naveed Hasnain Ismail, Columbus
Alisa Sue Kaye, Kettering
Thomas Edward Kiepper, Warren
Allen Richard Langenbahn, Jr., Cincinnati
Lisa Lee Leitzell, Berea
Mariellen K. Lemon, Mansfield
Richard Louis McAdams, Springfield
Laura Anne Palenick, Pickerington
Michael Roger Snavelly, Bellville
Daven Randall Turner, Washington Court
House
Gary Alan Vizzo, Xenia
Lisa Michele Walls, Greenfield
Ursula Roseann Wenger, Columbus
Clinton Ralph Wilcoxson II, Dayton
Susan Patricia Young, Lodi
Cynthia Anne Zeisler, Mineral Ridge

School of Journalism

Bachelor of Arts in Journalism

Margaret Ellen Bednarski, Maple Heights
Paul Jeffrey Birken, Gahanna
Alan Benjamin Bonowitz, Bexley
Richard James Buchanan, Worthington
Kirk McGregor Buckley, Springboro
David Glenn Butterman, Marion
Andrew Eugene Butts, Jr., Cleveland
Heights
Teresa Lynn Cohen, Cincinnati
Michael D. Cole, Mt. Blanchard
Scott F. Davis, Columbus
Sonya Lynn Elam, Chillicothe
Janet Carol Glass, Columbus
Jane A. Griffin, Mentor
Leslie Carol Johnson, Mt. Healthy
David George Kelly, Warren
Douglas Nevin Lantry, Washington
Bonny Elizabeth Long, Perrysville
Jason Howard Lovins, Minford
Kathryn Jane Lyon, Georgetown
James Robert Matthews II, Findlay
Gayle Shephard May, Delaware
Diane Marie McCracken, Worthington
Melissa Anne McDonald, Cincinnati
Michelle Denise Minnich, Troy
Cynthia Lynn Quigley, Miamisburg

Gregory John Ritter, Napoleon
Teresa Lynn Stutler, Columbus
Catherine Elizabeth Whitney, Columbus
Mitchell Arthur Wilkinson, Louisville

College of Agriculture

Dean: Frederick E. Hutchinson

Bachelor of Science in Agriculture

Richard Abram Austin, Cincinnati
Thomas Sherrill Beam, Wilmington
Terri Ann Blackburn, Minford
John Martin Buller, Sandusky
Charles Brian Cook, Chillicothe
Melissa Ann Fowler, Big Prairie
Steven John George, Newark
Sally Hanna Hoffman, Gahanna
Brad Scott Jolliff, Delaware
Steven Joseph Kammerer, Xenia
Phillip Dale Ketrone II, Eaton
Elizabeth Ann Klein, Akron
Kelly Jean LaPlume, Salem
John Carter Magee, Wellsville
David Jackson McClure, Scott Depot, WV
Valerie Inez McCoy, Lancaster
Neil Norman Noble, Willoughby
John Sakae Okamoto, Centerville
Natalie Laree Pauff, Lima
Frederick Ross Reninger, Columbus
Pamela Sue Rice, Columbus
David Edgar Rife, Centerburg
Kerri Theresa Ryan, Milford Center
Phillip Wayne Sherman, Mechanicsburg
Sandra Diane Witherspoon, Baltimore

Bachelor of Science in Food Science

Robert Francis Zulliger, Lima

Bachelor of Science in Food Technology

Jennifer Elizabeth Pitzer, Hillsboro

Bachelor of Science in Nutrition

Kathleen Ann McCord, Columbus

School of Natural Resources

Bachelor of Science in Natural Resources

Patricia Ann Barcik, Sagamore Hills
James DeWayne Bennett, Scotttown
Scott Kevin DeLand, Cincinnati
Susan Ann Fisher, Brecksville
Leonard Wayne Garden, Cleveland
Sherrie Marie Gardner, Scotia, NY

Jon Robert Holtzman, New Lebanon
Kirk Eric Jones, Cincinnati
David Moore Rupp, Columbus
Paul Leonard Weibel, Cincinnati

Agricultural Technical Institute—Wooster

Associate in Applied Science

Kenneth Michael Armstrong, Cleveland
Heights
Roger Eugene Baker, Shreve
Matthew David Carpenter, Adrian, MI
Julie Ann Coe, Mt. Vernon
Cheryl Theresa Heinly, Bradnor
Kevin Matthew Homan, Napoleon
Susan Michelle Martinez, Dexter, MI
John Douglas McCormick, Coral
Springs, FL
Dorene Sue Poulton, Wooster
Jeffrey Lee Reisner, Salem
Julie Ann Shade, Willard
Richard Leo Stanley, Wooster
Laura Windmiller, Wooster

College of Business

Dean: H. Justin Davidson

Bachelor of Science in Business Administration

John Peter Achevich, Mansfield
Joni Lynn Adams, Hopedale
Stuart Andrew Adkins, Coshocton
Azlina Binti Ahmad, Malaysia
Taib Mohd. Taib Ahmad, Selangor,
Malaysia
Thomas M. Albert, Galion
John Hunter Allen, McConnelsville
Joanna Aposotos, Rocky River
T. Anthony Applegate, Grosse Pointe
Park, MI
Sean William Auerbach, Zanesville
Abubakar Bachik, Masjid Tamah, Malaka,
Malaysia
Andrew Harold Bailey, Pataskala
Dianne Louise Baird, Shelby
Michelle Anne Barnes, Dayton
Mitchel B. Baron, Beachwood
Lisa Chapman Beard, Sunbury
Laurie Dawn Beckett, Tallmadge
Seifu A. Begashaw, Columbus
John Patrick Begley, Dayton
Michelle Marie Bentley, Loveland
Ted Howard Bernhardt, Dayton
Deborah Lynn Bibb, Shaker Heights
Gordon Harold Blickle, Springfield
Scott Randall Boden, Dayton
Christopher Alan Bork, Springfield
Robin Ann Bradshaw, Gahanna

Cynthia Tripp Braun, Columbus
 Elaine Ann Brennan, Medina
 Jeffery Scott Broome, Gates Mills
 David Michael Brown, Mentor
 Philip Eric Brown, Columbus
 Shawn Tyler Brown, Newark
 Thomas Joseph Brown, Columbus
 William Hedley Brownson, Defiance
 Marilyn Brugger, Columbus
 Harold Gene Buchanan II, Cincinnati
 Stephen Edward Buchanan, Lima
 Ronald Anthony Bumb, Bellevue
 Ronald Eugene Burch, Columbus
 Sunita Suzanne Byg, Columbus
 John J. Carr, Jersey
 Thomas Richard Carskadden, Marion
 Edward Steven Carter, Lexington
 Terri Lee Carter, Springfield
 Elaine Marie Casino, Akron
 Yuan-Loong Chow, Kuala Lumpur,
 Malaysia
 Carol Dee Clark, Granite City, IL
 Terri Dell Clemons, Shaker Heights
 Tina Marie Colter, Cincinnati
 Kim Kathleen Colton, Coshocton
 Colleen Marie Corbett, Columbus
 David Edward Cowan III, Marysville
 Jeffery Scott Creeger, Findlay
 Thomas L. Curran, Columbus
 Michael Robert Czuchra, New Lyme
 Najy Daher, Ashland
 Forrest Melville Danson III, Fairview Park
 Mark Lundon Davis, Milan
 Terry L. Dawson, Beaver Falls, PA
 Michael William DeGraw, Buffalo, NY
 Ava E. Dickerson, Elyria
 Timothy C. Dickes, Canton
 Peggy Ann Dorsten, Celina
 Thomas Vincent Dougherty, East
 Hanover, NJ
 Craig Allen Downing, Canton
 Sheryl Kaye Drumm, Dublin
 Wendy S. Dugan, Worthington
 John Randall Durham, Granville
 Harry Morgan Dye, Columbus
 Michael Andrew Dzurko, Massillon
 David Jon Ebbeskotte, Lima
 Ruth Ann Edwards, Dayton
 Shelby Joyce Edwards, Dublin
 Thaddeus Jay Ellwood, Marion
 Lisa M. England, Grove City
 John Thomas Ewing, McConnellsville
 Lawrence Martin Fatica, Richmond
 Heights
 Jay D. Ferrell, Warsaw
 Paul Raymond Firment, Mayfield Heights
 Alan Edward Flowers, Brooklyn Heights
 Mary Anita Fogle, Westerville
 Daniel Joseph Foley, Dayton
 James Kenneth Fortier, Columbus
 Donald Edwin Foster, Circleville
 Christine Fuller, Worthington
 Steven Jon Garberich, Crestline
 Gregory Jay Garrison, London
 Robert Guy Gennett, Jr., Canton
 David Gerald Gherlein, Pepper Pike
 Mary Maureen Giammaria, Hudson
 Thomas Daniel Gibbons, Euclid
 John Joseph Gildee IV, Mansfield
 Arden Leo Gill, North Canton
 Kathryn Joyce Goldsworthy, Centerville
 John Joseph Goode, Circleville
 William Harold Gorman, Chillicothe
 Jeffery Alan Gorsuch, Amsterdam
 Gary Denton Green, Delaware
 Steven Gerard Grubenhoff, Berea
 Robert Sameul Grunkemeyer, Columbus
 James Paul Harrington, Salem
 Charles Frank Heid, Fremont
 Randolph Lee Henson, Urbana
 Laura F. Herberger, Wellington
 Timothy Braun Hill, Belpre
 Kong Yew Hooi, Batu Gajah, Perak,
 Malaysia
 Charles W. Horning, Cincinnati
 Eddie Hsiao-Wen Hou, Hong Kong
 Moira Ann Houk, Barberton
 Robert Becker Howard, Terrace Park
 Mark Allen Hulka, Fremont
 Jeffrey Alan Jackson, Mineral Ridge
 Marie Therese Janko, Gallipolis
 Paul Ettore Januzzi, Amherst
 Mark Douglas Jenkins, Ashland
 Sandra Jane Jewett, Ashland
 Cheryl Lynn Johnson, Euclid
 Mark David Johnson, Kettering
 David L. Jones, Jewett
 Douglas E. Jones, Toledo
 William Lee Jones, Columbus
 July Ann Kapp, Newark
 Mona Lisa Kelemen, Columbus
 Kathleen Anne Kelly, Columbus
 Michael Patrick Kelly, Fairfield
 Margaret Kirk, Columbus
 Jeffery Alan Kirkland, Columbus
 Margaret Mary Kirwan, Worthington
 Savvas Kisgeropoulos, Canton
 Adam Matthew Knolls, Columbus
 Michael Edward Koerbel, Cincinnati
 Jeffrey Alan Konves, Bucyrus
 Peter Barrett Korte, Medina
 Sandra Maria Kovach, Columbus
 Jefferson Stuart Kreager, Newark
 Timothy Gerard Krivanek, Parma
 Carla Ann Kuskowski, Columbus
 Gerald Fox Landholt, Jr., Columbus
 Lillian Jane LaPointe, Columbus
 Steven Lester Lehmkuhl, Versailles
 Meng Yee Leong, Singapore, Singapore
 Andrew Charles Leshner, Germantown
 Jian Ming Lew, Columbus
 Dewayne Dale Lewis, Jr., Dayton
 Greg Richard Lewis, Dublin
 Michael George Lewis, Troy
 Keith Erwin Light, Bucyrus
 Chin Wei Lim, Kuala Lumpur, West
 Malaysia
 Mun Wuan Lim, Segamat, Johor, Malaysia
 Piek Heok Lim, Malaysia
 Wooi Lee Lim, Selangor, Malaysia
 Connie Cheong Mei Ling, Singapore,
 Singapore
 Jon David Litteral, Worthington
 Sow Wan Loh, Republic of Singapore
 Stephen Joseph Long, Dayton
 Eillian Loong, Kuala Lumpur, Malaysia
 Jeffery Leon Loos, Coshocton
 Barbara Ann Lucas, Galion
 Donald Paul Ludwig, Marion
 Scott Alan Lux, Columbus
 Edward Damien Madden, Akron
 Tracy Ann Maines, Middletown
 R. Leonardo Malagon, Miami, FL
 Terrence Alan Mance, Parma
 Ernest Paul Mandell, Columbus
 Gary John Marcinick, Brooklyn Heights
 Michael Lawrence Martenet, Mansfield
 Timothy F. Martin, Worthington
 Michael Elwood Massie, Cleveland
 Todd Alan Mayse, Castalia
 Timothy Randall Mazik, Pittsburgh, PA
 Steven Thomas McCabe, South Point
 Mace Marlin McCain, Elida
 Mark William McGuire, Circleville
 Michael James McHugh, Highland
 Heights
 David Edward McLaughlin, Ashtabula
 Noor Khalidah Md. Khalid, Johor,
 Malaysia
 Clara Ilene Meadows, Newark
 Robert Howard Medley, Marion
 Jeffery Alan Mehlberth, Centerville
 Suzanne Ellen Menden, Toledo
 Molly Alice Mercer, Columbus
 Susan Ann Mercer, Pickerington
 Mary Beth Mertz, Celina
 Daniel Mevs, Tonawanda, NY
 Julie Lynn Milligan, Columbus
 Amy Lynne Millman, Cincinnati
 John Charles Mincy, Upper Arlington
 Mark E. Miskinis, Worthington
 Daniel Joseph Mittlesteadt, Englewood
 Terry Lee Moore, Columbus
 James Tighe Moriarty, Chagrin Falls
 Sara J. Motwani, Powell
 Richard Michael Murphy, Reynoldsburg
 Sean Michael Murphy, Toledo
 Douglas Hayes Murray, Circleville
 Melanie Faye Myers, Columbus
 Joan Nehr, Bexley
 Sheila Catherine Neligan, Fairview Park
 Janet Denese Newbold, Nassau, Bahamas
 Steven A. Newton, Huron
 Pang Yien Ngo, Singapore
 Sallie Elizabeth Oden, Solon
 Roger Lee Ondreko, Beloit
 Brian M. Oravec, West Chester
 Thomas William O'Reilly, Columbus
 Shannon Theresa O'Toole, Mentor
 James Andrew Owens, Columbus
 Tami Angela Owens, Worthington
 Beth Ann Paltani, South Euclid
 Deborah Lynn Parsons, Cuyahoga Falls
 S. Lewis Patrick, Bay Village
 Gordon Kenneth Pepper, Mansfield
 William H. Petro, Canton
 David Michael Plesich, Steubenville
 Keith Alan Pohl, Maria Stein
 Michael Harry Port, Dayton
 David Brent Potts, Shayside
 Amy Lynn Powell, Dayton
 Michael Allen Priest, Columbus
 Robert Lee Putsock, Powhatan Point
 Laura Leeann Rae, Worthington
 Rita Diane Reid, New York, NY
 Gregory Guy Rich, Gabanna
 Daniel L. Richardson, London

John Andrew Ricker, Dayton
 Gary David Rine, Newark
 Glen Allen Ring, Wooster
 Douglas Brian Roman, Canton
 Lynn Edward Roose, Hilliard
 Jill Susan Rosenbloom, Columbus
 Steven Jay Rosenblum, Cleveland
 Robert Edward Ruzinsky, Loveland
 J. Morgan Sabrin, Detroit, MI
 Rani Kay Sampson, Cincinnati
 Lizabeth Ann Sant'Angelo,
 Allentown, PA
 Debra Lynne Saxon, Dayton
 John Michael Sbrochi, Columbus
 Mark Andreas Schmidt, Cincinnati
 James Thomas Schmitz, Columbus
 Elefterios Albert Schurman, Jr.,
 Fairfield, CT
 David John Scott, Dayton
 Julie Ann Searls, Lancaster
 Casey Lee Seebon, Columbus
 Choon Seng Seet, Singapore
 Gregory Dean Seibert, Columbus
 Deborah Anne Senska, Syracuse, NY
 Kevin Charles Severt, Westerville
 Michele Lynn Shaffer, Hebron
 Gary Scott Shapiro, Columbus
 James Keen Sharick, Champion
 Jeffrey Alan Sheely, Findlay
 Joseph Rudolph Sipl, Seven Hills
 Wayne Edward Skinner, Columbus
 Michael Jay Skoda, Columbus
 Sheila Kay Smith, Canal Winchester
 Renee Ann Somers, Westlake
 Linda Marie Southard, Bexley
 Ann Jeanne Stafford, Columbus
 Michael D. Stafman, Beachwood
 Dean Rusk Stampfli, Ashland
 David Michael Stansel, Kettering
 Eric John Steinmetz, Pickerington
 Gregg Douglas Steinmetz, Stanton, DE
 Brent Paul Stewart, Wheeling, WV
 Michele Renee Stiger, Canfield
 Cathy Beth Stone, Columbus
 Michelle Renee Strimple, Willard
 Jodi Jae Sutton, Coshocton
 Timothy Dean Swartz, Vandalia
 Bradley Robert Taylor, Upper Arlington
 Steven Scott Taylor, Lima
 Timothy Joseph Terveer, Alliance
 Friedrich Luiz Theinert, Chesterland
 Michael James Tierney, Cincinnati
 Steven Gary Toole, Ashville
 Michael Kurtis Trumble, Centerville
 Brad Lee Ulery, Richfield
 Peter William Vaccarella, Columbus
 David Robert Waldron, Convoy
 Stephanie Monique Wales, Columbus
 John Raymond Wallace, Columbus
 Gloria Marie Ware, Cleveland
 Vanessa Elaine Ware, Oberlin
 Daniel Vance Watkins, Columbus
 David E. Watson, Huber Heights
 Gary Alan Weir, Marion
 Lynn Michele Welch, Akron
 David James Westlake, Lakewood
 Robert Christopher Whipple, Columbus
 Mark Scott Whisler, Dayton
 Jon Robert Whitis, Byesville

Rebecca Marie Wholf, Bucyrus
 Stephen Michael Wildermuth, Elida
 Emilia B. Williams, Greenville
 Jeffrey Alan Wilson, Warsaw
 Patti Lynn Wilson, Alta Loma, CA
 Albert Ernest Theodore Wittkopp II,
 Gahanna
 Michael William Wood, North
 Syracuse, NY
 Rochelle E. Woodall, Columbus
 Craig Ashley Wright, Euclid
 Julie Ann Wright, Columbus
 Maudie Diane Yoakum, Galion
 John Douglas Young, Upper Arlington
 Dennis Mark Zemanek, Lorain
 Michael Alan Zoldan, Canton
 Richard Montequ Zuckett, Austintown

College of Dentistry

Dean: William R. Wallace

Doctor of Dental Surgery

Jen-Tai Chen, Taipei, R.O.C.
 B.D.S. (Taipei Medical College R.O.C.);
 M.S.

Ralph Joseph Temple, Chardon
 B.A. (Miami University)

College of Education

Dean: Donald P. Anderson

Bachelor of Science in Education

Jennifer McDannel Adams, Marion
 Jaber Nayel Al-Essa, Saudi Arabia
 Katherine A. Anderson, Morral
 Nicholas Lynn Bagby, Gahanna
 Jon Alan Barber, Galena
 Patricia Ann Barcik, Sagamore Hills
 Mary Katrina Barringer, Coshocton
 Scott Chris Basilone, Mansfield
 James Bernard Beatty, Lorain
 James Edward Bennett, Parma
 Lynnette Irene Bollinger, Mansfield
 Katherine Elaine Botkin, Columbus
 Barbara Ann Brown, Columbus
 Cam Aleta Buherts, Buckeye Lake
 Christin Marie Campbell, Chillicothe
 Amy Catherine Clayton, Lancaster
 Beverly Bradley Cook, Columbus
 Donna DelBrocco, Cincinnati
 John David Derenthal, Canal Winchester
 Debra Ann Doty, Huron
 Karen Louise Dowler, Columbus
 Susan Jeanne Drum, Worthington
 Julia Ann Fastnacht, Perrysburg
 LaTisha P. Fields, Columbus
 Sharon Lynn Fullerton, Columbus
 Jani Sue Gilliam, Marion
 Lee Anne Gilliam, Delaware

Amy Helene Greenzalis, Columbus
 Larissa Jo Hall, Worthington
 John William Harmony, Pataskala
 Bradley Louis Henry, Versailles
 Jean Ellen Holas, Toledo
 Carrie Lynn Holtz, Shelby
 Christine Marie Hovest, Ottawa
 Jayne Alison Hoyer, Columbus
 Ruth Ann Hyde, Westerville
 Christopher Mario Jackson, Columbus
 Dorothy Ann Jackson, Columbus
 Tracy Colvin Johnson, Sandusky
 Cynthia Miller Jones, Dublin
 Jacqueline Suzanne Judd, Delaware
 Donna Branhman Kienle, Columbus
 John D. Kirkendall, Van Wert
 Stephen Matthew Klevay, Independence
 Linda Lee Klingel, Marion
 Angela Joy Knape, Dublin
 Kathleen Ann Koran, Strongsville
 Kenneth Alan Kuhn, Willard
 Sonja Sue LaWarre, Kenton
 James Edward Lendon, Boardman
 Andie Fay Little, Columbus
 Sandra L. Lopez, Guaynabo, PR
 Constance Ann Mantell, Portsmouth
 Na'Ason Kwarau Manu, Bauchi, Nigeria
 Leonora Rizzuti Martin, Worthington
 Linda Ann May, Delaware
 Linda Marie McDanelis, Rocky River
 Mathew Leon Meadors, Dayton
 Melissa Lynne Moody, Dayton
 Nancy Jean Myers, Chardon
 Karen Elaine New, Grove City
 Shelley Lynn Newland, Delaware
 Charme Noel, Westerville
 Judy Kay Now, Rockford
 Elizabeth O'Dell Osborn, Frazeysburg
 Jeffrey Scott Pastor, Mansfield
 Sandra Marie Phillips, Westerville
 Andrea Lynne Pitts, Newark
 Betsy Marie Poling, West Milton
 Margaret Anne Prince, Columbus
 Faye H. Puro, Columbus
 Annetta Maria Richardson, Dayton
 Joseph Mack Robinson II, Tampa, FL
 Marisol Rodriguez, Trujillo Alto, PR
 Mary Alice Rouse, Columbus
 Esther Elisa Sapell, Cleveland
 Lori June Shaffer, Cardington
 Kathleen Kay Shato, Galloway
 Ann Marie Simon, Ashland
 Jeffrey Phillip Smith, Galloway
 Jennifer Louise Stara, Columbus
 Ruth Ann Steele, Newark
 Lisa Anne St. Peter, Solon
 Mary Elizabeth Stevenson, Groveport
 Tod L. Stuckey, Bucyrus
 Colene Thomas Stump, Nevada
 Michael C. Sulescay, Columbus
 Stacie Patricia Topoguis, Akron
 Michelle E. Uncapher, Columbus
 Shara Lee Valentine, Williamsport
 Laurie Anne Vermeer, Groveport
 Melanie Jo Wise, 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 the College of the Arts.

College of Engineering

Dean: Donald D. Glower

Bachelor of Science in Aeronautical and Astronautical Engineering

Dias Badekas, Athens, Greece
Craig Michael Ewing, Boothwyn, PA
Alicia Gierwatowski Graham, Denville, NJ
Kenneth John Paoletti, Columbus
Barth Warren Shenk, Lima

Bachelor of Science in Agricultural Engineering

Michael G. Orologas, Campbell
Michael Leroy Sheets, Sunbury

Bachelor of Science in Aviation

John Bates Hayes, Westerville
Matthew L. Schwab, Sylvania

Bachelor of Science in Ceramic Engineering

Janet Beth Davis, Zanesville
Richard Todd Everhart, Lancaster
Ileese Yvette Glatter, Columbus
Clara P. McLaughlin, Woodsfield

Bachelor of Science in Chemical Engineering

Amy Bea Ballog, Columbus
Daniel William Caldwell, Lakeside
Dennis Robert Daley, Manlius, NY
Mark Maher Mansour, Columbus
Jeffrey Norman Nehal, Akron
Andrew Martin Wescott, Huron

Bachelor of Science in Civil Engineering

Issam Mohamad Ataya, Saida, Lebanon
Walid Zouheir Chaarani, Tripoli, Lebanon
Mohamed Nouri Ourfali, Damascus, Syria

Bachelor of Science in Computer and Information Science

Marie Elizabeth Boyle, Bedford
Anne Marie Cagle, Kettering
Kent Lee Crabtree, St. Paris
Guan Shoon Heng, Singapore
Daniel Tai-Lun Ho, Columbus
Kathleen Louise Kettler, Cincinnati
Scott Daniel Kisslinger, Des Plaines, IL
Sharon Marie Krawczeski, Beaver creek
Chiew-Moi Lee, Seria, Brunei
Hock Koon Lim, Singapore
John Phillip Mack, Columbus
Ronald Joseph Meyer, Minster
Carol Marie Mulligan, Columbus
Eun-Mee Oh, Columbus
Richard Thomas Rung, Westerville
Kishor Ravindra Sapre, Jabalpur, Malaysia
Lance Allen Smith, Marion
Taylor Ridge Surface, Worthington
Chuen-Kit Tan, Hong Kong
John Earl Troutman, Portsmouth
William Ellis Whitaker, Wellsburg, WV

Bachelor of Science in Electrical Engineering

Jim Frank Bostjancic, Alliance
Jenifer Lynn Brinker, Greenville
Roderick Bruce Carroll, Columbus
Chee Hung Ben Choi, Hong Kong
Larry Joseph Duvall, North Olmsted
Eugene Ying-Haw Fu, Worthington
Jon Ross Funk, Columbus
Manuel García Sánchez, Valencia, Edo. Carabobo, Venezuela
Carl Thadeus Holas, Toldeo
Peeya Iwagoshi, Thailand
C. I. Kontoghiorghes, Limassol, Cyprus
Julie Ann Kreitz, Springfield
Daniel Allen McMullen, Hilliard
Stephen Gerald Miller, Centerville
Paul Michael Proudfoot, Mogadore
John Joseph Reed, Greenville
Daniel Rodney Rhodes, Parma
Robert Todd Roberts, Worthington
Michael William Russell, Creston
Donald Anthony Tacik, Mansfield
Anthony Wayne Wisbith, Pleasant Plain
Wai-Ling Wong, Hong Kong
Thomas Joseph Young, Columbus

Bachelor of Science in Engineering Physics

Scyld Douglas Anderson, Worthington
Gregory Robert Ladson, Gahanna

Bachelor of Science in Industrial and Systems Engineering

Lisa Beth Clark, Napoleon
Amy Lloyd Hendrickson, Worthington
Dennis Mark Laymon, Worthington

Thomas Joseph Long, Lorain
Christopher David Owens, Euclid
Rhonda Kay Sheets, Parkersburg, WV
Craig Lynn Walizer, Alliance

Mechanical Engineer

Byron Thomas Amerine, Jr., Rushsylvania

Bachelor of Science in Mechanical Engineering

Andrew Starr Bales, Cincinnati
Patrick Martin Berry, Cincinnati
Diane Lynn Broadbelt, Warren
William C. Brunnett, Cleveland
Richard Fosdick, Garfield Heights
Jennifer Joan Hirt, North Canton
Hatem Khouaja, Mahdia, Tunisia
Darryl S. Niven, Sandusky
Robert Clark Rowan, Jr., Belpre
Steven Joseph Rowe, Euclid
Darrin Neil Wagner, Euclid
James Frank Winhover, Ottoville

Bachelor of Science in Metallurgical Engineering

Thomas James Bruce, Columbus
Craig Allen Nichols, Hudson

Bachelor of Science in Welding Engineering

Jeffrey Mathew Kikel, Finleyville, PA
John David Schuler, Newark

School of Architecture

Bachelor of Science in Architecture

John Patrick Cleary, Columbus
Michael Powel Davis, Columbus
Eymen El-Homsi, Columbus
Michael S. Erickson, Mansfield
Joseph John Gil, Pittsburgh, PA
Steven Alan Hurt, Defiance
Mohammed Karimnamazi, Shiraz, Iran
Vincent Ronald Paterra, Greenville
Ronald Ray Peterson, Portland, IN
Karen Barbara Sterman, Pittsford, NY

Bachelor of Science in Landscape Architecture

Brian Joseph Huntley, Canton

College of Home Economics

Dean: Lena Bailey

Bachelor of Science in Home Economics

Melody Lanette Adkins, Belle Center
Lisa Marie Allen, Dayton
Crystal Ann Benzies, Tipp City
Lois Jane Blankemeier, Leipsic
Roberta Jean Bray, Columbus
Suzanne Baldwin Burnett, North Canton
Cheryl Ann Coblentz, Westerville
Robin Renee Combs, Columbus
Pamela Lee Fischer, Tipp City
Joey Hamiel, Columbus
Miriam Sol Herazo, Cincinnati
Beth Ann Hiser, West Chester
Beth Ann Householder, Wadsworth
Katherine Marie Kaufmann, West Carrollton
Sylvia Marie Lawrence, Youngstown
Karen Lynn Leggett, Medina
Elizabeth Ann Lewis, Brunswick
Gail Ruth Maylath, Dublin
Amy Scott McCaffrey, Berea
Susan Eileen McCarty, Columbus
Martha Ellen Mosco, Ironton
Janet Lee Pealer, Mt. Vernon
Diana Lynne Peebles, Westerville
Anne Renee Ritter, Columbus
Diane Marie Schotzinger, Tallmadge
Lorelei Skizenta, North Olmsted
Jenny Altvater Smith, Toledo
Debra Anne Susi, Worthington
Dawn Ann Swickard, Richmond
Tamara Lee Tracy, West Chester
Kristine Karol Wagner, Westerville
Jill Ann Weckstein, Shaker Heights
Carol Jane Whitman, Mt. Gilead
Andrea Lynn Zelvy, Beachwood

Bachelor of Science in Hospitality Management

Roseanne Marie Allison, Salem
James Leslie Daniels, Chillicothe
Jill Luann Ferrelli, Columbus
Kelly Ann McAndrews, Lakewood
Gabrielle Veronica Silovic, Columbus

Bachelor of Science in Nutrition

Scott Allen Campbell, Lima
John G. Carlile, Columbus
Scott Allen Johnston, Somerset
Sheila Renee King, Columbus
Gregg Matthew Santilli, Columbus

Bachelor of Science in Restaurant Management

Gordon Allen Chase, Havelock, NC
James Douglas Cushing, Lancaster
Kenric Allen Hall, Dublin
Robert Barton Heynen, Cincinnati
Alicia Mae Westerman, Columbus

College of Medicine

Dean: Manuel Tzagournis

Doctor of Medicine

Janet L. Minella, Cincinnati
B.S. (University of Cincinnati)

School of Allied Medical Professions

Bachelor of Science in Allied Health Professions

Alice E. Andrews, Cincinnati
Dennis Keith Hackett, Fort Wayne, IN
Karen Sue Hammeran, Lewisburg, PA
Mona Marie Jackson, Wakeman
Denver Carl Lightner, Columbus
Darlene Klapkowski Mahilo, Gahanna
Kathleen Marie Matro, Syracuse, NY
Elizabeth Ann McCann, Woodside, NY
Theresa Collins McNamara, West Chester
Daria Beth Risner, Norwalk
Laura Marjorie Rush, Urbana
Peggy Lentz Sanchez, Mansfield
Ann F. Siefert, Euclid

Certificate of Nurse Anesthetist

Christine Ann Dillon, Columbus
B.S.Nurs.
Michelle Aretta Douglass, Youngstown
B.S.Nurs.
Virginia Shearer Heins, Franklin Furnace
B.S.Nurs.
Wendy Weigel Tyler, Columbus
B.S.Nurs.

College of Nursing

Dean: Carol A. Anderson

Bachelor of Science in Nursing

Lisa Ann Burrows, Middlebrook Heights
Amy Sue Genovese, Solon
Margaret Anne Natale, Warren

Barbara Catherine Nocheck, Cincinnati
Mary Danielle Reiter, Westerville
Christine L. Wellman, Circleville

College of Pharmacy

Dean: Albert H. Soloway

Doctor of Pharmacy

Lee Barbara Holtz, Warren
Brenda Diane Jamerson, Springfield, IL
James Anthony Sterchele, Columbus

Bachelor of Science in Pharmacy

Mary Elizabeth Bawn, Marietta
Kathleen Ann Berger, Columbus
Fredrick Vincent DaGrava, Columbus
Julie Kim Eisenberg, Beachwood
Michelle Lynn Gay, Canfield
Nancy Orndorff Goldsby, Columbia, SC
Mitchell Scott Herman, University Heights
John Arthur LeFever, Smithville
Te Yi Lei, Taipei
Mark Allen Loughman, Newark
Johnny Randall McIntosh, Dayton
Shari Shafron Jacobson, Lyndhurst
Robert Arnold Spivey, Newark
Diane Lynn Talley, Ashland
William John Taylor, Marietta
Meltem Sukriye Unal, Columbus
Laura Jane Van Fossen, Bremen
Terri Lynn Vecchione, Wintersville
Janet Louise Wadolny, Hellertown, PA
Randolph Vernon Wood, Ironton

College of Social Work

Dean: Richard E. Boettcher

Bachelor of Science in Social Welfare

Sara Jane Allen, Worthington
Angelica M. Bionci, Youngstown
Mary Katherine Capasso, Columbus
Debra Ann DePaso, Worthington
Julie Marie Guidry, Zanesville
Christina Marie Ventresca, 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 English

Kellie Renee Nagel

With Distinction in Family Relations and Human Development

Debra Anne Susi

With Distinction in Mechanical Engineering

Robert Clark Rowan, Jr.

With Distinction in Microbiology

Michael K. Barron

With Distinction in Nutrition

Scott Allen Johnston

With Honors in the Liberal Arts

Judith M. Kutney
G. Michael Vaughan

With Honors in the Liberal Arts and with Distinction in English

John Wright Kennedy

Cum Laude

Dianne Louise Baird
Andrew Starr Bales
Lynnette Irene Bollinger
Jenifer Lynn Brinker
Ronald Anthony Bumb
Lisa Ann Burrows
Anne Marie Cagle
Yuan-Loong Chow
Charles Brian Cook
David Edward Cowan III
John David Derenthal

Shelby Joyce Edwards
Julia Ann Fastnacht
Christine Fuller
Eric Rigoberto Godoy
Steven Gerard Grubenhoff
Larissa Jo Hall
Amy Lloyd Hendrickson
Pamela Jean Herring
Dorothy Ann Jackson
Cheryl Lynn Johnson
Douglas E. Jones
Scott Daniel Kisslinger
Patricia Ann Klena
Peter Barrett Korte
Michael Anthony Lanese
Steven Lester Lehmkuhl
John M. Lepi
Hock Koon Lim
Connie Cheong Mei Ling
Laura Rosemarie Lockridge
Eillian Loong
Marsha Therese Markja
Kathleen Marie Matro
David Edward McLaughlin
Mark E. Miskinis
Carol Marie Mulligan
Steven A. Newton
Roger Lee Ondreko
Elizabeth O'Dell Osborn
Dorene Sue Poulton
Michael Allen Priest
Robert Todd Roberts
Steven Jay Rosenblum
Jean Marie Rowley
Choon Seng Seet
Richard Leo Stanley
Ruth Ann Steele
Darrin Neil Wagner
John Raymond Wallace
Daniel Vance Watkins

Cum Laude with Distinction in Arabic

Joyce Ellen Bell

Cum Laude with Honors in the Liberal Arts

Kevin W. Eggerman
Stephen G. Rady III

Summa Cum Laude

Laurie Dawn Beckett
Diane Lynn Broadbelt
Susan Jeanne Drum
Susan Ann Fisher
Richard Fosdick
Charles W. Horning
Kelly Jean LaPlume
John Charles Mincy
Tami Angela Owens
Kishor Ravindra Sapre

John Michael Sbrochi
Kathleen Kay Shato
Jeffrey Phillip Smith

Summa Cum Laude with Distinction in Textiles and Clothing

Diane Marie Schotzinger

Summa Cum Laude with Honors in the Liberal Arts

Eric Todd Buchanan

THE OHIO STATE UNIVERSITY
OFFICIAL PROCEEDINGS OF THE
ONE THOUSAND TWO HUNDRED AND TWENTY-THIRD MEETING
OF THE BOARD OF TRUSTEES

Columbus, Ohio, September 4 and 5, 1986

The Board of Trustees met at its regular monthly meeting on Thursday, September 4, and Friday, September 5, 1986, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, pursuant to adjournment.

* * *
Minutes of the last meeting were approved.
* * *

September 4 and 5, 1986 meeting, Board of Trustees

The Chairman, Mr. Galbreath, called the meeting of the Board of Trustees to order on September 4, 1986, at 6:30 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: Daniel M. Galbreath, Chairman, Leonard J. Immke, John W. Berry, Shirley D. Bowser, Hamilton J. Teaford, and Deborah E. Casto.

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Mr. Galbreath reconvened the meeting on September 5, 1986, at 10:05 a.m.

Present: Daniel M. Galbreath, Chairman, Edmund C. Redman, Shirley D. Bowser, Hamilton J. Teaford, John J. Barone, and Deborah E. Casto.

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NAMING OF AUDITORIUM

Resolution No. 87-25

Synopsis: A name is proposed for the auditorium portion of Ovalwood Hall on the Mansfield campus.

WHEREAS this Board has authority in naming of all buildings and structures at The Ohio State University, as set forth in paragraph (G) of rule 3335-1-08 of the Administrative Code; and

WHEREAS The Ohio State University Mansfield Campus was created through the efforts of a large number of individuals and corporations in the Mansfield community and its surrounding area; and

WHEREAS no physical entity on the Mansfield Campus has been designated to recognize the vital role played by these community "founders" in the establishment of the Campus; and

WHEREAS the 20th anniversary of the establishment of the Campus is being observed during the current year; and

WHEREAS the President and the President's staff concur with the recommendation of the Mansfield Campus administration that the aforementioned auditorium be named in honor of the community founders of the Campus:

NOW THEREFORE

BE IT RESOLVED, That the auditorium portion of Ovalwood Hall on The Ohio State University Mansfield Campus henceforth shall be known as "Founders Auditorium" in recognition of the important role played by numerous members of the Mansfield community in the establishment of the Mansfield Campus.

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

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September 4 and 5, 1986 meeting, Board of Trustees

NAMING OF BUILDING ADDITION

Resolution No. 87-26

Synopsis: A name is proposed for the art gallery addition to Ovalwood Hall on the Mansfield campus.

WHEREAS this Board has authority in naming of all buildings and structures at The Ohio State University, as set forth in paragraph (G) of rule 3335-1-08 of the Administrative Code; and

WHEREAS the John and Pearl Conard Foundation of Mansfield, Ohio, has made a generous commitment of funds to the University for the addition of an art gallery wing to Ovalwood Hall on The Ohio State University Mansfield Campus; and

WHEREAS the Conards were longstanding and enthusiastic supporters of the Mansfield Campus, and Pearl Conard had an equally strong appreciation for and interest in the arts; and

WHEREAS the President and the President's staff concur with the recommendation of the Mansfield Campus administration that the aforementioned art gallery addition be named in honor of Pearl Conard:

NOW THEREFORE

BE IT RESOLVED, That the art gallery wing that will be added to Ovalwood Hall on The Ohio State University Mansfield Campus shall be known as "The Pearl Conard Gallery."

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

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PERSONNEL ACTIONS

Resolution No. 87-27

RESOLVED, That the personnel actions as recorded in the Personnel Budget Records of the University since the July 11, 1986 meeting of the Board, including the following Change in Title, Appointments, Appointment of Chairpersons of Departments, Reappointment of Chairperson of Division and Director of Center, Promotion, Leaves of Absence Without Salary, Professional Improvement Leaves, Professional Improvement Leaves--Cancellation, Professional Improvement Leaves--Change of Dates, and Emeritus Titles as detailed in the University Budget be approved, and the Medical Staff Appointments/Reappointments approved July 31, 1986, by the Hospitals Board be ratified.

Change in Title

Name:	ANNE S. PRUITT
Title:	Director
Office:	Learning Resources
Effective:	September 1, 1986
Salary:	\$76,080.00
Present Position:	Associate Provost, Office of Academic Affairs

September 4 and 5, 1986 meeting, Board of Trustees

PERSONNEL ACTIONS (contd)

Appointments

Name: DAVID MAYERS
Title: Professor (The Arthur E. Shepard Endowed Professorship in Insurance)
Academic Faculty: Finance
Effective: July 1, 1986
Salary: \$96,000.00
Present Position: Professor, Graduate School of Management, UCLA, Los Angeles, California

Name: DONALD L. SEXTON
Title: Professor (William H. Davis Chair in the American Free Enterprise System)
Academic Faculty: Management and Human Resources
Effective: October 1, 1986
Salary: \$70,080.00
Present Position: Caruth Professor of Entrepreneurship and Director of the Center for Entrepreneurship, Hankamer School of Business, Baylor University, Waco, Texas

Appointment of Chairpersons of Departments

July 1, 1986 through June 30, 1990

Agricultural Education Lawrence H. Newcomb

August 1, 1986 through September 30, 1988

Family and Community Grayce M. Sills

Reappointment of Chairperson of Division and Director of Center

July 1, 1986 through June 30, 1987

Center for Slavic and East European Studies Leon I. Twarog
Division of Mining Engineering George R. St. Pierre*

Promotion

Name: AMY RIEMENSCHNEIDER
College: Social Work
From: Assistant Professor
To: Associate Professor
Effective: October 1, 1985

*Acting Chairperson

Leaves of Absence Without Salary

ROLENA ADORNO, Professor, Department of Romance Languages and Literatures, effective Winter Quarter and Spring Quarter 1987, to serve as a Distinguished Visiting Professor at Arizona State University.

BARBARA BECKER-CANTARINO, Professor, Department of German, effective Autumn Quarter 1986, to assume the Guggenheim Fellowship.

September 4 and 5, 1986 meeting, Board of Trustees

PERSONNEL ACTIONS (contd)

Leaves of Absence Without Salary (contd)

JOHN F. GUILMARTIN, JR., Associate Professor, Department of History, effective Autumn Quarter 1986, Winter Quarter and Spring Quarter 1987, to serve as a senior Navy Research Fellow at the U.S. Naval War College.

JAMES MORGANSTERN, Associate Professor, Department of History of Art, effective Winter Quarter and Spring Quarter 1987, to research the Romanesque church of Notre Dame at Jumieges.

ILAN AVISAR, Assistant Professor, Department of Judaic and Near Eastern Languages and Literatures, effective Autumn Quarter 1986, Winter Quarter and Spring Quarter 1987, to complete a research project on contemporary Israeli cinema.

RICHARD M. CANTOR, Assistant Professor, Department of Economics, effective Autumn Quarter 1986, Winter Quarter and Spring Quarter 1987, to serve as a Visiting Assistant Professor at the University of California at Los Angeles.

MYROSLAVA M. CISZKEWYCZ, Assistant Professor, Department of History of Art, effective Winter Quarter 1987, to accept a Fulbright Research Fellowship in Czechoslovakia.

MOHAMMAD T. FATEHI, Assistant Professor, Department of Physical Medicine, effective August 1, 1986 through July 31, 1987, to work in a research laboratory to gain industrial and research experience.

EVE R. LEVIN, Assistant Professor, Department of History, effective Autumn Quarter 1986, Winter Quarter and Spring Quarter 1987, to accept a grant from the American Council of Learned Societies.

HAROLD E. MAH, Assistant Professor, Department of History, effective Autumn Quarter 1986, Winter Quarter and Spring Quarter 1987, to accept a Webster Postdoctoral Fellowship from Queen's University in Canada.

PATRICIA B. REAGAN, Assistant Professor, Department of Economics, effective Autumn Quarter 1986, Winter Quarter and Spring Quarter 1987, to serve as a Visiting Assistant Professor at Northwestern University.

CAROL M. SZYMANSKI, Assistant Professor, Department of Veterinary Clinical Sciences, effective September 1, 1986, through August 31, 1987, to study intraocular microsurgery, specifically the technique of intraocular lens implantation in the canine.

Professional Improvement Leaves

KENNETH D. LANE, Professor, Department of Physics, effective Winter Quarter, Spring Quarter and Autumn Quarter 1987.

BRIAN W. MCENNIS, Associate Professor, Department of Mathematics, effective Winter Quarter, Spring Quarter and Autumn Quarter 1987.

WILLIAM D. TAYLOR, Associate Professor, Department of Educational Theory and Practice, effective Winter Quarter and Spring Quarter 1987.

September 4 and 5, 1986 meeting, Board of Trustees

PERSONNEL ACTIONS (contd)

Professional Improvement Leaves (contd)

MARIE C. THURSBY, Associate Professor, Department of Economics, effective Autumn Quarter 1986, Winter Quarter and Spring Quarter 1987.

JERRY G. THURSBY, Associate Professor, Department of Economics, effective Winter Quarter, Spring Quarter and Summer Quarter 1987.

Professional Improvement Leaves--Cancellation

LAURENCE C. GERCKENS, Professor, Department of City and Regional Planning, effective Autumn Quarter 1986, Winter Quarter and Spring Quarter 1987.

ANTHONY G. GREENWALD, Professor, Department of Psychology, effective Autumn Quarter 1986, Winter Quarter and Spring Quarter 1987.

Professional Improvement Leaves--Change of Dates

JOHN S. MCDONALD, Professor, Department of Anesthesiology, change leave from November 1, 1985 through October 1, 1986, to November 1, 1985 through August 10, 1986.

STEPHEN S. PINSKY, Professor, Department of Physics, change leave from Autumn Quarter 1986, Winter Quarter and Spring Quarter 1987, to Winter Quarter and Spring Quarter 1987.

Emeritus Titles

NANCY J. GOOREY, College of Dentistry - Dental Hygiene, with the title Assistant Dean and Professor Emeritus, effective July 1, 1986.

JAN S. ADAMS, Office of International Studies, with the title Director Emeritus, effective September 1, 1986.

LAURENCE C. GERCKENS, Department of City and Regional Planning, with the title Professor Emeritus, effective September 1, 1986.

ROBERT Y. HARE, School of Music, with the title Professor Emeritus, effective July 1, 1986.

MARY LAPITSKY, Department of Textiles and Clothing, with the title Professor Emeritus, effective September 1, 1986.

ALFRED C. LONG, College of Dentistry - Restorative Dentistry, with the title Professor Emeritus, effective July 1, 1986.

HERBERT J. OYER, Department of Communication, with the title Professor Emeritus, effective September 1, 1986.

JOSEPH TREITERER, Department of Civil Engineering, with the title Professor Emeritus, effective July 1, 1986.

CHARLES J. REUTTER, Cooperative Extension Service, with the title Associate Professor Emeritus, effective August 1, 1986.

September 4 and 5, 1986 meeting, Board of Trustees

PERSONNEL ACTIONS (contd)

Emeritus Titles (contd)

DONALD G. VERNALL, Department of Anatomy, with the title Associate Professor Emeritus, effective July 1, 1986.

MARJORIE ROWE, Department of Psychiatry, with the title Assistant Professor Emeritus, effective July 1, 1986.

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

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RESOLUTIONS IN MEMORIAM

Resolution No. 87-28

Synopsis: Resolutions honoring the service of one former member of the Board of Trustees and five 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.

Leonard J. Alexander

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on February 17, 1986, of Leonard J. Alexander, Professor Emeritus in the Department of Plant Pathology.

Dr. Alexander was born on a farm in Traynor, Iowa, in 1903, but moved as a youngster to Louisiana. Upon graduation from Louisiana State University he accepted a graduate assistantship at the University of Wisconsin. After receiving his M.Sc. degree in 1928, he continued graduate school until 1930 when he became an Assistant in the Department of Botany and Plant Pathology at the Ohio Agricultural Experiment Station (now OARDC-OSU). He returned to the University of Wisconsin for short periods and received his Ph.D. in 1934.

Dr. Alexander attained the rank of Professor at The Ohio State University and distinguished himself in many areas of research and service before his retirement in 1970. He laid the foundation for the elucidation of tomato pathogen variation, locating disease resistance genes in wild tomato species and development of disease resistant commercial greenhouse tomatoes. Dr. Alexander's genetic materials and research leadership strengthened this area of research around the world.

Dr. Alexander was a member of the American Phytopathological Society since 1928, serving as National Advertising Manager, Councilor, Vice President, and President of the North Central Division; and was honored by his election as a Fellow of the Society. He was also a member of and served in many leadership roles in numerous other scientific and honorary societies and community organizations. Dr. Alexander was a Visiting Scientist at the Institute for Phytopathological Research at Wageningen, The Netherlands; a Guest Lecturer at the Faculty di Agaria, Bari, Italy;

September 4 and 5, 1986 meeting, Board of Trustees

RESOLUTIONS IN MEMORIAM (contd)

Leonard J. Alexander (contd)

and a Visiting Scientist in the Department of Plant Pathology (1968-69) and Visiting Professor (1972-82) at the University of Florida, Gainesville. He delivered lectures and invitational papers at many universities, international meetings and congresses.

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.

John A. Eglitis

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on June 29, 1986, of John A. Eglitis, M.D., D.M.Sc., Professor Emeritus in the Department of Anatomy.

Dr. Eglitis was born on December 16, 1902, in Riga, Latvia. He received his M.D. degree in 1931 with a speciality in otolaryngology, his D.M.Sc. degree in 1940 and his D.M. habilitation in 1942 from the University of Latvia's Faculty of Medicine. His dissertation was awarded First Prize of the State Culture Fund.

Dr. Eglitis began his academic career in 1927 when he accepted an assistantship in histology at the University of Latvia where he served until 1944, advancing from instructor to chairman of his department. In 1951, Dr. Eglitis joined The Ohio State University's College of Medicine as an instructor in Anatomy where he would continue as a faculty member for the next 22 years. He became a professor in 1961. Dr. Eglitis served as the director of histology in both the medical and dental programs. He also served as advisor for seven graduate students in Anatomy. Four received their doctorates in Anatomy; two their master's degrees; and one received both a master's and doctorate degree. He retired in 1973 having taught medical, dental and graduate students both here and abroad for 46 years.

Dr. Eglitis served on numerous departmental, college and university committees. He was a fellow and member of several scientific societies. He was recognized by his students as an outstanding teacher. For his efforts, he was selected by the senior medical class of 1965 as the College of Medicine's, "Professor of the Year."

On behalf of the University community, the Board of Trustees expresses to his wife, Dr. Irma Eglitis, its deepest sympathy. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to his wife as a sincere expression of the Board's realization of the loss that his wife, the University, and his many friends and associates have sustained.

September 4 and 5, 1986 meeting, Board of Trustees

RESOLUTIONS IN MEMORIAM (contd)

Alan B. Loop

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on August 9, 1986, of Alan B. Loop, a former member of this Board.

Alan B. Loop was appointed as a Trustee of The Ohio State University effective July 23, 1959, by Governor Michael V. DiSalle, for a term ending May 13, 1966. He served as Chairman of the Board from May 13, 1965, to the end of his term. Mr. Loop was the recipient of the University's Distinguished Service Award in 1967.

Mr. Loop was born in Toledo, Ohio, and attended The Ohio State University, earning a Bachelor of Arts degree in 1932 and a Juris Doctor degree in 1933. As an undergraduate, Alan Loop was a member and President of The Ohio State University Chapter of Phi Kappa Psi; a member of the Toastmaster's Club of Columbus; a member and captain of The Ohio State University varsity golf team; a member of Ohio State Varsity "O"; and a member of the Interfraternity Council. During law school, Mr. Loop was a member of the Order of the Coif and a member of Phi Delta Phi.

In 1933 Mr. Loop became associated with the law firm of Fraser, Hiett, Wall & Effler in Toledo, Ohio, the predecessor of the Toledo firm of Shumaker, Loop & Kendrick. In 1940 Mr. Loop became a partner in the firm and became a senior partner in 1948. Mr. Loop's legal work focused on Corporate law and Trusts and Estates and he was a member of the American, Ohio and Toledo Bar Associations. He was also a member of the American Judicature Society and a life member of the American Bar Foundation.

Mr. Loop was also very active in his community. He served as a Trustee of the Toledo Chamber of Commerce from 1971-1973, and served as a Director for many corporations including Gregory Industries, Inc.; Toledo Stamping & Manufacturing Company; Toledo Steel Tube Co.; Dubuque Stamping & Manufacturing Company; and the Mather Company. He was a member of the Toledo Club, the Belmont Country Club, the Naples Yacht Club, and the Hole-in-the-Wall Golf Club. He was a member of the St. Michael's in the Hills Episcopal Church in Toledo, and served as a member of the Vestry and as Senior Warden.

Alan Loop's interest in education went beyond his service on this Board. He was a member of the Board of Trustees of the Edna B. Rowe School of Organic Education; a Trustee of the Maumee Valley Country Day School; and a member of the Advisory Committee to the Senior Class at Vassar College in 1956-1957.

Mr. Loop's dedication to education and his strong commitment to his community are evident in the many ways he generously contributed his time and energy to these schools, corporations and other groups. He was indeed a fine example of how an individual can enrich both his life and the lives of those around him by serving the public interest.

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 sincere expression of the Board's realization of the loss which the family and The Ohio State University community have sustained.

September 4 and 5, 1986 meeting, Board of Trustees

RESOLUTIONS IN MEMORIAM (contd)

Robert C. McMaster

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on July 6, 1986, of Robert C. McMaster, Professor Emeritus in the Department of Welding Engineering.

Dr. McMaster was born May 13, 1913, in Wilkinsburg, Pennsylvania. In his early years he was introduced to river-related activities by his father and his interest in boating and canoeing continued throughout his lifetime.

His career as an engineer and scientist began at Carnegie Institute of Technology where he received a Bachelor of Science in Electrical Engineering degree in 1936. Employment with the General Electric Company in Schenectady, New York, led to graduate work at the California Institute of Technology, Pasadena, California. A Master of Science degree was received in 1938 and a Doctor of Philosophy degree in Electrical Engineering and Physics, magna cum laude, in 1944. While in California he supervised the welding and x-ray research programs and worked extensively in the high voltage testing laboratory studying the effects of lightning on electric power transmission lines. Dr. McMaster developed during this period an interest in weather that later resulted in his participation in a twice-daily televised program which pioneered this activity and included an explanation of weather phenomena along with the usual data reports. His enthusiasm and knowledge of the subject established, over a span of fifteen years, the standards for weather news reporting followed today.

Dr. McMaster joined Battelle Memorial Institute in 1945 and developed and supervised, during ten years of association, the Department of Electrical Engineering. His interest in nondestructive testing continued to expand and included his serving as President of the Society of Nondestructive Testing in 1952-53. While at Battelle, he was awarded a patent on xeroradiography, a process extensively used in the medical field.

In 1955, Dr. McMaster joined the faculty of The Ohio State University as a Professor of Welding Engineering. He taught welding and nondestructive testing courses at both undergraduate and graduate levels. His outgoing personality coupled with his ability to explain complex concepts in a clear and understandable manner was well received by his students. He truly made the learning experience enjoyable. Until his retirement in 1977, Dr. McMaster continued his efforts in research, working with graduate students and a professional staff engaged in sponsored programs. His activities expanded into sonic power, the applications of which are still being developed. During this time he edited the first edition of the "Nondestructive Testing Handbook," a monumental task requiring thousands of hours of dedicated work. The two-volume publication was first available in 1959 and is in widespread use today as the best single reference on the subject.

Dr. McMaster was awarded nineteen patents including the application of x-rays for sterilization of food, an x-ray television imaging system, sonic power devices and a magnetic-reaction device using the Hall effect. He authored over 300 technical papers and received awards too numerous to list. His devotion to his work was equalled by his devotion to his family and friends. Dr. McMaster came into contact with a great

September 4 and 5, 1986 meeting, Board of Trustees

RESOLUTIONS IN MEMORIAM (contd)

Robert C. McMaster (contd)

many people during his lifetime and it is likely everyone of those people benefited from the association with him.

On behalf of the University community, the Board of Trustees expresses to the family of Dr. McMaster its deepest sympathy. 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 of Dr. McMaster as a sincere expression of the Board's realization of the loss that the family, the University, and his many friends and associates have sustained.

William F. Shepard

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on July 1, 1986, of William F. Shepard, Assistant Professor Emeritus in the School of Allied Medical Professions.

William ("Friendly Fred") Shepard was born June 14, 1909, in Nelsonville, Ohio. He attended the Columbus Art School and the Landon School of Art in St. Louis. He completed two years in the College of Education at The Ohio State University.

In 1939, he was employed as a lab assistant in hematology at The Ohio State University. In 1948, he founded and was appointed director of the new Department of Medical Illustration in University Hospital. Medical Illustration was transferred to the School of Allied Medical Professions in 1966 and he continued as director and was appointed to the faculty as an Assistant Professor. He retired on September 30, 1968, and was granted emeritus status November 1, 1968.

He served as past director of education for the Ohio State Conservation Congress and for the Junior Sportsmen of Ohio. He was a past trustee for the Hilltop Sportsman's Club and a member of the Masons.

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.

Garth W. Volk

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on June 8, 1986, of Dr. Garth W. Volk, Professor Emeritus in the Department of Agronomy.

Professor Volk was born in Maple Valley, Wisconsin, June 12, 1905. He received three academic degrees from the University of Wisconsin: a Bachelor's degree in 1934; a Master's degree in 1935; and a Ph.D. degree in 1936. Professor Volk held professional positions in industry and universities. He served as a soil chemist for United Fruit Company in Central America (1928-1933); Assistant Professor at Oklahoma State University (1936-1944); and as a Soil Chemist at the Ohio Agricultural Experiment Station (1944-1947). He was the first person to be chairman,

September 4 and 5, 1986 meeting, Board of Trustees

RESOLUTIONS IN MEMORIAM (contd)

Garth W. Volk (contd)

in 1947, of the reunified Department of Agronomy formed by combining the two departments; one at The Ohio State University and the other at the Ohio Agricultural Experiment Station in Wooster (1947-1975). He was a consultant to various USAID projects and international development organizations. He was granted emeritus status upon his retirement on July 1, 1975.

Professor Volk was elected Fellow of the American Society of Agronomy. He also received many other honorary positions and awards including Sigma Xi; Gamma Sigma Delta; Gamma Alpha; Phi Lambda Upsilon; recipient of the Agronomy Club; and received the Outstanding Faculty Award. He advised over twenty-five Ph.D. students and published over 50 articles on soil chemistry and soil fertility. He served on many university and professional committees.

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.

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

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REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS

Resolution No. 87-29

Synopsis: The reports on contracts, grants, and gifts and the summaries for June and July 1986 are presented for Board acceptance.

WHEREAS monies are solicited and received on behalf of the University from governmental, industrial and other agencies and alumni and various other 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; and

WHEREAS John Deaver Drinko has requested that gifts previously made to the John Deaver Drinko-Baker and Hostetler Chair in Law be transferred from the University endowment to The Ohio State University Foundation in order to be used for the same purpose, namely support for a distinguished teacher and scholar in law at the University:

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 and The Ohio State University

September 4 and 5, 1986 meeting, Board of Trustees

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

Development Fund during the months of June and July 1986, and the transfer of the funds in the John Deaver Drinko-Baker and Hostetler Chair in Law to The Ohio State University Foundation be approved.

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

SUMMARY FOR JUNE 1986

Source	No. of Projects	Support Level
The Ohio State University Research Foundation	182	\$12,344,143.57
Engineering Experiment Station	55	\$ 1,011,745.00
Total	237	\$13,355,888.57
The Ohio State University Development Fund		
Establishment of Named Funds		
The Admissions and Allocations Fund (Support projects and programs)		\$ 1,000,000.00
The Lawrence D. Stanley Professorship in Law (Support the work of a distinguished scholar and teacher)		\$ 309,000.00
Meat Science Endowment Fund (Support students, travel and research expenses - Department of Animal Science)		\$ 37,840.00
Center for Epigraphical Studies (Purchase of materials and equipment)		\$ 15,000.00
Emerson and Miriam Wollam Scholarship Fund (College of Social Work)		\$ 10,000.00
Charles Wallschlaeger Scholarship Fund (Industrial Design)		\$ 5,200.00
The George R. Haddad Piano Scholarship (School of Music)		\$ 5,025.00
The Guy and Jeannette Miller Scholarship Fund (Colleges of Agriculture or Home Economics)		\$ 5,000.00
Paul D. Morrill Memorial Lecture Fund (Department of Architecture)		\$ 5,000.00
The Social Psychology Advancement Fund (Support colloquia arranged by the social psychology area)		\$ 5,000.00

September 4 and 5, 1986 meeting, Board of Trustees

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

SUMMARY FOR JUNE 1986 (contd)

Change of Name and Description of Named Fund

From: Department of Home Management and Housing Endowment Fund
To: Department of Family Resource Management Endowment Fund

SUMMARY FOR JULY 1986

Source	No. of Projects	Support Level
The Ohio State University Research Foundation	82	\$4,240,821.47
Engineering Experiment Station	55	\$ 925,524.00
Total	137	\$5,166,345.47

The Ohio State University Development Fund

Establishment of Named Funds

Humanities Fund (Research and curricula development)		\$ 15,000.00
The Michael Pupin Memorial Fund (Provide stipends to scholars and doctoral candidates in the field of Medieval Slavic Studies (Hilander Research Library))		\$ 10,000.00
The Robert E. Taylor Graduate Fellowship Fund (Support a doctoral level graduate student in comprehensive vocational education)		\$ 10,000.00
The Nikola Tesla Memorial Fund (Provide stipends to scholars and doctoral candidates in the field of Medieval Slavic Studies (Hilander Research Library))		\$ 10,000.00
Marian K. Thomas Horticulture Fund (Scholarships - Landscape Architecture)		\$ 10,000.00
The Bishop Mardarije Uskokovich Memorial Fund (Provide stipends to scholars and doctoral candidates in the field of Medieval Slavic Studies (Hilander Research Library))		\$ 10,000.00
Bishop Nikolai Velimirovich Memorial Fund (Provide stipends to scholars and doctoral candidates in the field of Medieval Slavic Studies (Hilander Research Library))		\$ 10,000.00
The Walter William Cooke Memorial Fund (Support the Raptor Rehabilitation Program in the College of Veterinary Medicine)		\$ 9,100.00

September 4 and 5, 1986 meeting, Board of Trustees

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

SUMMARY FOR JULY 1986 (contd)

The Ohio State University Development Fund (contd)

Establishment of Named Funds (contd)

The Taber-Thompson Fellowship (College of Home Economics)	\$	6,036.00
Stella J. Becker Scholarship Fund (Department of Dance)	\$	5,200.00
The Agricultural Leaders Fund (Fund special projects or programs)	\$	5,000.00
Max V. and Carolyn Martin Puderbaugh Bonsai Scholarship Fund (College of Agriculture - Department of Horticulture)	\$	5,000.00
The Richard Delaney Athletic Scholarship Fund (Undergraduate students participating in a varsity sports program)	\$	5,000.00
Fulton County 4-H Endowment Fund (Support the Fulton County 4-H Program)	\$	5,000.00
Hancock County 4-H Endowment Fund (Support the Hancock County 4-H Program)	\$	5,000.00
The Ohio State University Marion Campus Dean's Fund (Betterment of the Marion Campus)	\$	5,000.00
The Ottawa County 4-H Endowment Fund (Support the Ottawa County 4-H Program)	\$	5,000.00
Portage County 4-H Scholarship Endowment Fund (Portage County 4-H members)	\$	5,000.00
Wood County 4-H Endowment Fund (Support the Wood County 4-H Program)	\$	5,000.00

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION

Report - June 1986

Federal Research Contracts/Grants

\$1,250,000.00 - National Science Foundation, Washington, DC, Engineering Research Center for Net Shape Manufacturing, Department of Industrial and Systems Engineering (T. Altan), 1 May 1986 through 30 April 1987. (Project 765393 - New)

\$866,400.00 - Department of Education, Office of Special Education, Washington, DC, Regional Resource Center, Department of Human Services Education (T. Stephens), 1 June 1986 through 31 May 1987. (Project 763600 - Continuation)

\$564,765.00 - Department of Health and Human Services, Public Health Service, Health Resources and Services Administration, Rockville, MD, Mental Retardation Training, Nisonger Center (G. E. Martin), 1 July 1986 through 30 June 1987. (Project 761169 - Continuation)

\$195,967.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, Advanced Educational Program in General Dentistry, Community Dentistry (L. P. Diorio), 1 July 1986 through 30 June 1987. (Project 765454 - New)

\$186,388.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, Cytotoxic Cocarcinogenic and Antileukemic Agents, Department of Chemistry (L. A. Paquette), 1 June 1986 through 31 May 1987. (Project 763284 - Continuation)

\$184,328.00 - Department of Defense, National Security Agency, Fort George G. Meade, MD, Advanced Individualized Materials for Seven Slavic and East European Languages, Department of Slavic and East European Languages and Literatures (L. I. Twarog), 1 May 1986 through 28 February 1987. (Project 764672 - Continuation)

\$183,480.00 - National Science Foundation, Washington, DC, An Integrated Cell for Machining and Polishing of Dies, Molds and Other Complex Shaped Parts, Department of Industrial and Systems Engineering (A. Bagchi, R. L. Lewis and T. Altan) and Department of Mechanical Engineering (K. Srinivasan), 1 July 1986 through 30 June 1987. (Project 765522 - New)

\$175,000.00 - Department of Health and Human Services, Office of Human Development Services, Administration on Developmental Disabilities, Kansas City, MO, UAF (University Affiliated Facility) Administration and Operation, Nisonger Center (V. L. Reynolds), 1 July 1986 through 30 June 1987. (Project 763712 - Continuation)

\$168,000.00 - Department of Education, Office of Postsecondary Education, Washington, DC, Graduate and Professional Study Fellowships Program, Graduate School Administration (J. D. Dickerscheid), 1 September 1986 through 31 August 1987. (Project 765430 - Continuation)

\$156,835.00 - Environmental Protection Agency, Washington, DC, Cocarcinogenesis Studies with Epstein-Barr Virus, Department of Medical

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

Microbiology and Immunology (M. R. Glaser) and Cancer Research Center (L. D. Tomei), 1 July 1986 through 30 June 1987. (Project 764169 - Continuation)

\$149,615.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, Carcinogenesis, Molecular and Cellular Biology, Cancer Research Center and Department of Physiological Chemistry (G. E. Milo), 1 September 1986 through 31 August 1987. (Project 764351 - Continuation)

\$142,000.00 - Environmental Protection Agency, Chicago, IL, Annual Open Lake Water Quality Surveillance Program for Lake Erie, Center for Lake Erie Research (D. E. Rathke), 1 March 1986 through 28 February 1987. (Project 765389 - Continuation)

\$142,000.00 - Department of the Interior, Bureau of Mines, Washington, DC, Mining and Mineral Resources Research Institute - Annual Allotment 86/87, Department of Metallurgical Engineering (G. R. St. Pierre), 1 July 1986 through 30 June 1987. (Project 765442 - Continuation)

\$137,895.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, Human Thrombin: Binding and Recognition Sites, Department of Chemistry (L. J. Berliner), 1 September 1986 through 31 August 1987. (Project 761742 - Continuation)

\$137,576.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Research Triangle Park, NC, Genotoxicity in Human Fetal Brain, Dermis and Kidney Cells, Department of Radiology (S. M. D'Ambrosio and A. A. Wani), 20 June 1986 through 31 May 1987. (Project 763673 - Continuation)

\$134,715.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, Pathobiological Determinants of Atherosclerosis in Youth, Department of Surgery (J. F. Cornhill), 1 June 1986 through 31 December 1986. (Project 764727 - Continuation)

\$130,958.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, Study of the Pharmacokinetics of Anticancer Drugs, College of Pharmacy (L. Malspeis), 1 May 1986 through 30 April 1987. (Project 764113 - Continuation)

\$123,614.00 - National Science Foundation, Washington, DC, Stratigraphy, Paleontology and Sedimentology of the Sirius Formation, Institute of Polar Studies and Department of Geology and Mineralogy (P. N. Webb) and Institute of Polar Studies (J. H. Mercer), 1 September 1986 through 31 August 1987. (Project 764799 - Continuation)

\$121,503.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, Cardiac Dysfunction and Sudden Death Modified by Exercise, Department of Physiology (G. E. Billman), 1 July 1986 through 30 June 1987. (Project 765510 - 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)

\$114,056.00 - Department of the Interior, Geological Survey, Reston, VA, FY 86 Ohio Water Research Institute Program, Department of Civil Engineering (R. G. Stiefel and E. E. Whitlatch), Department of Chemical Engineering (L. S. Fan) and Department of Microbiology (R. M. Pfister), 1 July 1986 through 30 June 1987. (Project 765463 - Continuation)

\$112,079.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, Dual Regulation of Human B Cell Colony Responses by CRP, Department of Internal Medicine (R. Whisler) and Department of Microbiology (R. F. Mortensen), 1 July 1986 through 30 June 1987. (Project 764226 - Continuation)

\$111,657.00 - National Science Foundation, Washington, DC, Ice Sheet Dynamics in West Antarctica, Institute of Polar Studies and Department of Geology and Mineralogy (I. M. Whillans), 1 July 1986 through 30 June 1987. (Project 765491 - New)

\$110,356.00 - Department of the Army, Army Research Office, Research Triangle Park, NC, Studies on Syntheses and Derivatives of Boron Hydride Systems, Department of Chemistry (S. G. Shore), 1 July 1986 through 30 June 1987. (Project 764813 - Continuation)

\$109,250.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, Studies on Topoisomerase I and II in Herpes Simplex Virus Replication, Department of Microbiology (M. T. Muller) and Department of Medical Microbiology and Immunology (D. S. Parris), 1 July 1986 through 30 June 1987. (Project 765482 - New)

\$103,012.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, Identification of Gait Subtypes in Spastic Diplegia, Department of Surgery (S. R. Simon), 1 March 1986 through 31 August 1986. (Project 765480 - New)

\$102,837.00 - Environmental Protection Agency, Washington, DC, Promotion of Carcinogenesis: Role of Aberrant tRNA Modification, Department of Physiological Chemistry and Cancer Research Center (R. W. Trewyn), 1 July 1986 through 30 June 1987. (Project 764159 - Continuation)

\$100,000.00 - Department of Agriculture, Science and Education, Washington, DC, Molecular Analyses of Benomyl - Resistant Mutants of Aspergillus nidulans, Department of Microbiology (B. R. Oakley), 1 July 1986 through 30 June 1988. (Project 765513 - New)

\$99,923.00 - Department of the Navy, Navy Material Command, China Lake, CA, EM Modelling and Prediction Code Development, Department of Electrical Engineering, ElectroScience Laboratory (L. Peters, Jr.), 1 July 1986 through 30 June 1987. (Project 764991 - Continuation)

\$99,685.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, Androgens and Estrogens in Insects, Department of Entomology (D. L. Denlinger) and

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

College of Pharmacy (R. W. Brueggemeier), 1 July 1986 through 30 June 1987. (Project 764185 - Continuation)

\$97,793.00 - Department of the Navy, Office of Naval Research, Silver Springs, MD, Electron Beam Generator, Department of Aeronautical and Astronautical Engineering (S. L. Petrie), 15 May 1986 through 14 October 1986. (Project 765343 - New)

\$97,245.00 - Department of the Air Force, Air Force Systems Command, Bolling Air Force Base, DC, Cumulative Damage Modelling in Composite Laminates, Department of Civil Engineering (R. S. Sandhu, R. L. Sierakowski and W. E. Wolfe), 1 July 1986 through 30 June 1987. (Project 765471 - New)

\$97,140.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, Genetics of Myogenesis: Structure and Function, Department of Genetics (S. Falkenthal), 1 June 1986 through 31 May 1987. (Project 763993 - Continuation)

\$92,885.00 - Department of Education, Office of Special Education, Washington, DC, Handicapped Personnel Preparation - Preparation of Special Educators, School of Health, Physical Education and Recreation (W. F. Ersing), 1 July 1986 through 30 June 1987. (Project 765519 - New)

\$88,465.00 - National Science Foundation, Washington, DC, A Flexible Motion-Synthesis Environment for Computer Animation, Department of Art Education (C. A. Csuri), 1 July 1986 through 30 June 1987. (Project 765475 - New)

\$79,486.00 - Department of the Army, Army Research Office, Research Triangle Park, NC, An Investigation into the Metallurgical Aspects of Joining Rapidly Solidified Powder Metallurgy Aluminum Alloys, Department of Welding Engineering (W. A. Baeslack, III), 1 September 1986 through 31 August 1987. (Project 764348 - Continuation)

\$75,000.00 - Department of Agriculture, Cooperative State Research Service, Washington, DC, Department of Plant Pathology - OARDC and Department of Pathology (R. M. Riedel and R. C. Rowe) and Department of Pathology (L. V. Madden), 1 September 1986 through 31 August 1988. (Project 765514 - New)

\$74,650.00 - National Science Foundation, Washington, DC, Engineering Research Equipment Grant: 2.5 kw Fundamental Mode CO₂ Laser, Department of Welding Engineering (C. E. Albright), 1 October 1986 through 31 March 1987. (Project 765518 - New)

\$66,405.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, Specific Analysis of Cardiac Glycosides in Patient Serum, College of Pharmacy (R. H. Reuning), 1 July 1986 through 30 June 1987. (Project 765511 - 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)

\$65,000.00 - Department of Agriculture, Cooperative State Research Service, Washington, DC, Evolution of Leafhoppers and Stunting Pathogens with Maize and Its Ancestors, Department of Entomology - OARDC (L. R. Nault) and Department of Plant Pathology (L. V. Madden), 15 June 1986 through 30 June 1987. (Project 764270 - Continuation)

\$65,000.00 - Department of the Army, Army Research Office, Research Triangle Park, NC, The Chemistry of Hexaazotriphenylene Hexanitile, A Polyfunctional Heterocycle with Potential Utility in the Formulation of Thermostable Polymers, Department of Chemistry (A. W. Czarnik), 1 August 1986 through 31 July 1987. (Project 764885 - Continuation)

\$65,000.00 - National Science Foundation, Washington, DC, Functional Specificity of Neurons in Hypothalamic Tissue Slices, Department of Physiology (J. A. Boulant), 1 July 1986 through 31 December 1987. (Project 764687 - Continuation)

\$64,623.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, Energetics of Contraction in Single Muscle Cells, Department of Physiology (J. A. Rail), 1 July 1986 through 30 June 1987. (Project 760993 - Continuation)

\$63,735.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, The Application of Low Temperature Chemistry and Kinetics to Photo Affinity Labelling, Department of Chemistry (M. S. Platz), 1 July 1986 through 30 June 1987. (Project 765496 - New)

\$62,489.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, NCI Physician-Investigator Development Award Program, Department of Internal Medicine (E. A. Copelan), 1 August 1986 through 31 July 1987. (Project 764303 - Continuation)

\$61,999.00 - National Science Foundation, Washington, DC, A Study of the Windfield Near Terra Nova Bay, Institute of Polar Studies (D. H. Bromwich), 1 June 1986 through 31 May 1987. (Project 765479 - New)

\$60,000.00 - National Science Foundation, Washington, DC, Anaerobic Metabolism in Echinochloa crus-galli (Barnyard Grass) Seeds, Department of Horticulture - OARDC and Department of Horticulture (R. A. Kennedy), 1 July 1986 through 31 December 1987. (Project 764790 - Continuation)

\$59,584.00 - National Science Foundation, Washington, DC, Timing in Serial Pattern Perception and Remembering, Department of Psychology (M. R. Jones), 1 October 1986 through 30 September 1987. (Project 764369 - Continuation)

\$58,800.00 - National Science Foundation, Washington, DC, Structure, Dynamic Behavior and Synthesis of Selected Solvated Carbanionic Substances, Department of Chemistry (G. A. Fraenkel), 1 July 1986 through 30 November 1986. (Project 765472 - 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)

\$57,239.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, Calcium and Calmodulin in Smooth Muscle Contraction, Department of Physiological Chemistry (J. D. Johnson), 1 July 1986 through 30 June 1987. (Project 764737 - Continuation)

\$57,059.00 - Department of the Army, Army Troop Supply Command, Ft. Belvoir, VA, Detecting the Presence of Tunnels (Physical Properties Logging and Borehole Resistivity), Department of Geology and Mineralogy (J. J. Daniels), 30 June 1986 through 30 November 1986. (Project 765477 - New)

\$56,000.00 - Department of Energy, Argonne, IL, Hydrology and Geochemistry of Small Tundra Drainage Basins in Response to Active Layer Disturbance, Institute of Polar Studies and Department of Agronomy (K. R. Everett), 1 July 1986 through 30 June 1987. (Project 764231 - Continuation)

\$55,000.00 - National Aeronautics and Space Administration, George C. Marshall Flight Center, Marshall Space Flight Center, AL, Theoretical Studies of the Surface Tension of Liquid Metal Systems, Department of Physics (D. G. Stroud), 1 July 1986 through 30 June 1987. (Project 764280 - Continuation)

\$53,300.00 - National Science Foundation, Washington, DC, Theoretical Studies of Equilibrium and Non-Equilibrium Multilayer Films, Department of Physics (C. A. Ebner and W. F. Saam), 1 July 1986 through 30 June 1987. (Project 764263 - Continuation)

\$53,147.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, Role of Polyamines in Calmodulin and C-Kinase Regulation, Periodontics (J. D. Walters), 1 July 1986 through 30 June 1987. (Project 765508 - New)

\$52,157.00 - National Science Foundation, Washington, DC, A Study of the Influence of Sulfur Content and Ladle Refining Practices on the Susceptibility of Low Alloy Steels to Hydrogen Cracking, Department of Metallurgical Engineering (G. R. St. Pierre and S. S. Smialowska), 1 March 1986 through 28 February 1987. (Project 764029 - Continuation)

\$51,341.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, Calcium and Calmodulin Smooth Muscle Contraction, Department of Physiological Chemistry (J. D. Johnson), 1 July 1986 through 30 June 1987. (Project 764653 - Continuation)

\$50,786.00 - Department of Health and Human Services, Public Health Service, Health Resources and Services Administration, Rockville, MD, Graduate Program in Hospital and Health Services Administration, Hospital and Health Services Administration (S. F. Loeb), 1 October 1986 through 30 September 1987. (Project 761329 - 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)

\$49,199.00 - National Aeronautics and Space Administration, Goddard Space Flight Center, Greenbelt, MD, Improvement of the Earth's Gravity Field from Terrestrial and Satellite Data, Department of Geodetic Science and Surveying (R. H. Rapp), 1 August 1986 through 31 July 1987. (Project 760056 - Continuation)

\$44,573.00 - Department of Energy, Argonne, IL, Molecular Orbital Studies of the Bonding in Heavy Element Organometallics, Department of Chemistry (B. Bursten), 1 July 1986 through 30 June 1987. (Project 765484 - New)

\$43,208.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, Sertoli Cell-Germ Cell Surface Membrane Interactions, Department of Anatomy (R. M. DePhilip), 1 July 1986 through 30 June 1987. (Project 764825 - Continuation)

\$40,000.00 - Department of Agriculture, Science and Education, Washington, DC, Preparation of Science Workbook II and a National Higher Education Comprehensive Report, College of Agriculture - Administration and Department of Agricultural Economics and Rural Sociology (E. E. Darrow), 21 April 1986 through 30 April 1990. (Project 765431 - New)

\$40,000.00 - Department of Education, Center for International Education, Washington, DC, Fulbright-Hays Group Projects Abroad - USSR, Department of Slavic and East European Languages and Literatures (L. I. Twarog), 1 August 1986 through 31 July 1987. (Project 765435 - New)

\$40,000.00 - National Aeronautics and Space Administration, Washington, DC, Effects of Hypergravity and Hypogravity Environments on Cell Cycle Regulation during Fern Spore Germination, Department of Botany (V. Raghavan), 15 June 1986 through 14 June 1987. (Project 765460 - New)

\$40,000.00 - National Aeronautics and Space Administration, Goddard Space Flight Center, Greenbelt, MD, Robust Estimation of Regional Deformation and Relative Plate Motions from Robust Estimation, Department of Geodetic Science and Surveying (I. I. Mueller), 1 July 1986 through 30 June 1987. (Project 761054 - Continuation)

\$37,757.00 - Department of Health and Human Services, Public Health Service, Health Resources and Services Administration, Rockville, MD, Health Careers Academic Advancement Program, College of Medicine - Administration (M. Tzagournis, J. H. Williams and G. L. Trzebiatowski), 1 September 1986 through 31 August 1987. (Project 765421 - New)

\$37,363.00 - Department of the Navy, Office of Naval Research, Arlington, VA, Separated Flows, Department of Aeronautical and Astronautical Engineering (L. R. Burggraf), 1 July 1986 through 31 December 1986. (Project 763412 - Continuation)

\$35,200.00 - National Science Foundation, Washington, DC, Nearly Integrable Systems in Nonlinear Dispersive Wave Equations, Department of Mathematics (J. Kodama), 1 July 1986 through 30 June 1988. (Project 765467 - 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)

\$35,000.00 - National Science Foundation, Washington, DC, Problems in Harmonic Analysis, Department of Mathematics (J. M. Rosenblatt), 1 July 1986 through 30 June 1987. (Project 765505 - New)

\$33,792.00 - National Science Foundation, Washington, DC, The Urban Development Process and the Rise of the new Spatial Politics, Department of Geography (K. R. Cox), 1 July 1986 through 30 June 1987. (Project 765515 - New)

\$32,000.00 - National Science Foundation, Washington, DC, The Relationship between Resource Patterns and the Structure of Social Systems, Department of Zoology (J. F. Downhower), 1 September 1986 through 31 August 1987. (Project 763984 - Continuation)

\$31,300.00 - National Science Foundation, Washington, DC, Universal and Nonuniversal Properties of Local Moment Systems, Department of Physics (C. Jayaprakash), 1 May 1986 through 30 April 1987. (Project 764104 - Continuation)

\$30,000.00 - National Aeronautics and Space Administration, Ames Research Center, Moffett Field, CA, Analysis of Two Advanced Transonic Airfoils, Department of Aeronautical and Astronautical Engineering (G. M. Gregorek), 1 June 1986 through 30 September 1986. (Project 765448 - New)

\$25,900.00 - National Science Foundation, Washington, DC, Development and Applications of Fully Symmetry-Adapted Electronic Structure Program, Department of Chemistry (R. M. Pitzer), 15 May 1986 through 30 June 1987. (Project 763922 - Continuation)

\$25,717.07 - Department of Agriculture, Cooperative State Research Service, Washington, DC, Mechanisms by Which Soybean Plants Optimize Infection and Nodulation by Rhizobium, Department of Agronomy - OARDC and Department of Agronomy (W. D. Bauer), 15 May 1986 through 31 December 1986. (Project 765387 - New)

\$25,000.00 - National Science Foundation, Washington, DC, Presidential Young Investigator Award, Department of Physics (C. Jayaprakash), 1 July 1986 through 30 June 1987. (Project 764850 - Continuation)

\$21,607.00 - Department of the Army, Army Aerospace Medical Research Laboratory, Fort Rucker, AL, Data Analysis of Endothelial Cell Photography on Patients Involved in the Contact Lenses in Armor and Aviation Studies, College of Optometry (J. P. Schoessler), 1 July 1986 through 30 June 1987. (Project 765495 - New)

\$21,000.00 - National Science Foundation, Washington, DC, Mathematical Sciences: Problems Related to Graph Well-Quasi Ordering, Department of Mathematics (N. Robertson), 1 July 1986 through 30 June 1987. (Project 764642 - Continuation)

\$18,776.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, Relationship of a 65K HSV-1 Protein with Topoisomerase, Department of Medical Microbiology

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

and Immunology (D. S. Parris), 9 June 1986 through 31 December 1986.
(Project 765457 - New)

\$17,000.00 - National Science Foundation, Washington, DC, Micromechanisms of Polycrystalline Strain Propagation, Department of Metallurgical Engineering (R. H. Wagoner and W. A. T. Clark), 1 June 1986 through 31 December 1986. (Project 763921 - Continuation)

\$15,000.00 - National Academy of Science, Washington, DC, Comparable Worth and Occupational Labor Market Explanations of Occupational Earnings Differentials, Department of Sociology (T. L. Parcel), 1 July 1986 through 15 November 1987. (Project 765524 - New)

\$14,736.00 - National Science Foundation, Washington, DC, Boundary Layer Studies in Terra Nova Bay, Antarctica, Institute of Polar Studies (D. H. Bromwich), 1 June 1986 through 30 November 1986. (Project 764091 - Continuation)

\$13,300.00 - National Science Foundation, Washington, DC, Singular Integral Operator Algebras on Singular Spaces, Department of Mathematics (A. Dynin), 1 July 1986 through 30 June 1987. (Project 765523 - New)

\$13,050.00 - National Science Foundation, Washington, DC, Application of Measure Theory to Banach Spaces and Probabilities, Department of Mathematics (M. Talagrand), 15 June 1986 through 31 May 1987. (Project 765478 - New)

\$12,586.00 - National Science Foundation, Washington, DC, A Commodity Flow Alternative to Measuring Corporate Dominance, Department of Geography (R. W. Jackson), 16 June 1986 through 31 January 1987. (Project 765497 - New)

\$12,232.00 - Department of Education, Office of Special Education Rehabilitation Services, Washington, DC, Rehabilitation Long-Term Traineeships, Department of Communication (H. J. Oyer), 1 September 1986 through 31 August 1987. (Project 764355 - Continuation)

\$11,392.00 - Department of Health and Human Services, Public Health Service, Health Resources and Services Administration, Rockville, MD, Nurse Anesthetist Traineeship Grant, School of Allied Medical Professions (W. R. Waugaman), 1 July 1986 through 30 June 1987. (Project 764173 - Continuation)

\$11,066.00 - Department of the Army, Army Corps of Engineers, Vicksburg, MS, Evaluation of the Response of Reinforced Concrete Structures Subjected to Dynamic Loads, Department of Civil Engineering (W. E. Wolfe), 1 July 1986 through 30 September 1986. (Project 765087 - Continuation)

\$10,120.00 - Department of Health and Human Services, Public Health Service, Health Resources and Services Administration, Rockville, MD, Traineeships for Students in Graduate Health Administration, Hospital and

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

Health Services Administration (S. F. Loeb), 1 July 1986 through 30 June 1987. (Project 765444 - Continuation)

\$9,050.00 - National Science Foundation, Washington, DC, The Arithmetic of Function Fields, Department of Mathematics (D. M. Goss), 1 July 1986 through 30 June 1987. (Project 765462 - New)

\$6,750.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, Physiological Analysis of Optic Nerve Disease, College of Optometry (P. E. King-Smith), 1 April 1986 through 30 September 1987. (Project 763996 - Continuation)

\$5,000.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, Second International Symposium on Epstein-Barr Virus and Associated Malignant Diseases, Department of Medical Microbiology and Immunology (M. R. Glaser), 1 September 1986 through 31 August 1987. (Project 765507 - New)

\$4,078.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, Residency Training in the General Practice of Dentistry, Community Dentistry (L. P. Diorio), 1 July 1986 through 30 June 1987. (Project 764180 - Continuation)

\$400.00 - National Science Foundation, Washington, DC, Thermohydrodynamic Study of Journal Bearing, Department of Engineering Graphics (M. M. Khonsari), 1 March 1986 through 28 February 1987. (Project 765326 - New)

TOTAL - FEDERAL AWARDS \$8,958,374.07

State of Ohio Research Contracts/Grants

\$174,590.00 - State of Ohio, Department of Development, Columbus, OH, Regional Labor-Management Cooperation Center, Center for Human Resource Research and Academic Faculty of Management and Human Resources (H. R. Blaine), 1 May 1986 through 30 June 1987. (Project 765432 - New)

\$155,985.00 - State of Ohio, Department of Education, Columbus, OH, Matrix Conversion and Vocational Education Projections, Academic Faculty of Management and Human Resources and Center for Human Resource Research (H. R. Blaine), 1 July 1986 through 30 June 1987. (Project 765526 - New)

\$51,000.00 - State of Ohio, Ohio Department of Education, Columbus, OH, Ohio Education Deans' Task Force Project, Department of Human Services Education (T. M. Stephens), 1 July 1986 through 30 June 1987. (Project 764196 - Continuation)

\$30,093.00 - State of Ohio, Ohio Department of Education, Columbus, OH, Linkages to Build Support for Entrepreneurship Education, The National Center for Research in Vocational Education (R. E. Taylor), 1 May 1986 through 31 October 1986. (Project 765415 - New)

\$20,624.00 - State of Ohio, Governor's Office of Criminal Justice Services, Columbus, OH, Crime Prevention Training, Department of

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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)

Economics and Rural Sociology (J. F. Donnermeyer), 1 July 1986 through 30 June 1987. (Project 765382 - New)

\$20,000.00 - State of Ohio, Department of Commerce, Columbus, OH, Center for Real Estate Education and Research, College of Business - Administration (R. L. Racster), 1 July 1986 through 30 June 1987. (Project 765413 - New)

\$19,907.00 - State of Ohio, Ohio Department of Education, Columbus, OH, Linkages to Build Support for Entrepreneurship Education, The National Center for Research in Vocational Education (R. E. Taylor), 1 May 1986 through 31 December 1986. (Project 765415 - Continuation)

\$12,900.00 - State of Ohio, Department of Mental Health, Columbus, OH, General Traineeship FY '87, Department of Psychology (H. L. Mirels), 1 July 1986 through 30 June 1987. (Project 765512 - Continuation)

\$1,210.00 - State of Ohio, Department of Natural Resources, Columbus, OH, Life History Studies of the Mountain and Northern Madtoms (Noturus Eleutherus and Noturus Stigmosus) in Ohio, Department of Zoology (T. M. Cavender), 1 May 1985 through 31 December 1986. (Project 765428 - New)

\$1,000.00 - State of Ohio, Ohio Arts Council, Columbus, OH, Memorable Dress/Ohio Women, College of The Arts - Administration (J. W. Green), 1 March 1986 through 30 June 1986. (Project 765429 - New)

\$125.00 - State of Ohio, Ohio Humanities Council, Columbus, OH, An Evening in Byzantium: Dramatic Presentations on Byzantine Civilization, Department of History (T. Gregory), 1 March 1985 through 30 September 1986. (Project 765199 - Continuation)

\$100.00 - State of Ohio, Department of Health, Columbus, OH, Rape Education Workshop Project, Office of Student Life (S. Hansen), 1 October 1985 through 30 September 1986. (Project 765136 - Continuation)

TOTAL - STATE OF OHIO AWARDS \$ 487,534.00

Industrial Research Contracts/Grants

\$165,506.00 - Boeing Company, Seattle, WA, Compact Range Performance Analysis, Department of Electrical Engineering, ElectroScience Laboratory (D. J. Young), 1 June 1986 through 31 December 1986. (Project 765397 - New)

\$87,567.00 - Sandia Laboratories, Albuquerque, NM, Interconnection of Silicon Solar Cells, Department of Welding Engineering (C. E. Albright), 1 June 1986 through 31 December 1987. (Project 765402 - New)

\$62,850.00 - Eli Lilly and Company, Indianapolis, IN, Fluoxetine vs. Placebo in Bulimia: Parallel Blind, Department of Psychiatry (K. N. Dixon and A. B. Levy), 1 May 1986 through 31 January 1987. (Project 765438 - New)

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Industrial Research Contracts/Grants (contd)

\$59,935.00 - TRW, Inc., Redondo Beach, CA, Mechanisms and Kinetics of Coal Volatiles Combustion, Department of Mechanical Engineering (R. H. Essenhigh), 1 July 1986 through 28 November 1987. (Project 764572 - Continuation)

\$42,285.00 - Singer-Link, Inc., Binghamton, NY, Evaluation of the Esprit System Phase II, Department of Psychology (D. H. Owen), 1 May 1986 through 30 November 1986. (Project 765391 - New)

\$32,572.00 - TRW, Inc., San Diego, CA, Multifunction Antenna Study, Department of Electrical Engineering, ElectroScience Laboratory (B. A. Munk), 30 April 1986 through 30 September 1986. (Project 765410 - New)

\$30,480.00 - Brigham and Women's Hospital, Inc., Boston, MA, Multipurpose Arthritis Center, Department of Surgery (S. R. Simon), 1 April 1986 through 31 March 1987. (Project 765441 - New)

\$21,340.00 - Norwich Eaton Pharmaceuticals, Norwich, NY, An Open-Label Study to Evaluate Nitrofurantoin Repeat Action Tablets 175 BID for 7 Days in the Treatment of Urinary Tract Infections, Department of Internal Medicine (C. M. Kunin), 9 June 1986 through 30 September 1986. (Project 765408 - New)

\$21,340.00 - Norwich Eaton Pharmaceuticals, Norwich, NY, An Open-Label Study to Evaluate Nitrofurantoin Sustained Release Capsules 200 mg BID for 7 Days in the Treatment of Urinary Tract Infections, Department of Internal Medicine (C. M. Kunin), 9 June 1986 through 30 September 1986. (Project 765409 - New)

\$20,434.00 - Systems Control Technology, Incorporated, Palo Alto, CA, Prototype Judgment and Cockpit Resource Management (CRM) Training Development Rotocraft and Fixed Wing, Department of Aviation (R. S. Jensen), 13 June 1986 through 12 October 1986. (Project 765461 - New)

\$19,985.00 - The Proctor and Gamble Company, Cincinnati, OH, The Effects of Nonperformance Attributes on Product Selection and Use, College of Home Economics - Administration and Department of Family Resource Management (L. V. Geistfeld), 1 July 1986 through 30 September 1986. (Project 765416 - New)

\$14,471.00 - Fidia, Abano Terme (PD), Italy, Consequences of Administering Ganglioside (GM1) or Synthetic Ganglioside (AGF2) after 1-methyl-4-phenyl-1,2,3,6-Tetra Hydro Pyridine (MPTP) Induced Neurotoxicity, Department of Pharmacology (N. H. Neff), 1 April 1986 through 31 March 1987. (Project 765423 - New)

\$7,811.00 - DeVry Institute of Technology, Columbus, OH, Student Personnel in Higher Education, Department of Educational Policy and Leadership (R. F. Rodgers), 21 September 1986 through 31 May 1987. (Project 765424 - Continuation)

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Industrial Research Contracts/Grants (contd)

\$5,000.00 - The Conover Company, Ltd., Omro, WI, The Vocational Assessment Training Center, The National Center for Research in Vocational Education (R. E. Taylor), 1 June 1986 through 31 May 1987. (Project 765474 - New)

\$4,000.00 - Universal Energy Systems, Dayton, OH, Modfet AC-Model without Additional Fitting Parameters, Department of Electrical Engineering (P. Roblin), 1 July 1986 through 31 December 1986. (Project 765506 - New)

\$1,000.00 - Global Perspectives in Education, Inc., New York, NY, Support Funds -- Global Perspectives in Education, Department of Educational Theory and Practice (E. Gilliom), 1 January 1986 through 31 August 1986. (Project 765212 - Continuation)

TOTAL - INDUSTRIAL AWARDS \$ 596,576.00

Other Non-Federal Research Contracts/Grants

\$760,500.00 - Midwest Universities Consortium for International Activities, Inc. (MUCIA), Champaign, IL, Burma Maize and Oilseeds Production Project, International Programs in Agriculture (M. E. Headings), 22 September 1982 through 26 October 1986. (Project 763368 - Continuation)

\$308,100.00 - United Nations, 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 1986 through 30 June 1987. (Project 760113 - Continuation)

\$160,000.00 - American Cancer Society, New York, NY, Function of the Herpes Simplex Virus Deoxyribonuclease, Department of Medical Microbiology and Immunology (D. S. Parris), 1 July 1986 through 30 June 1988. (Project 765525 - New)

\$113,892.00 - Healthcare Financial Management Association, Oak Brook, IL, The Development of a Financial Service for the Hospital Industry, Hospital and Health Services Administration (W. O. Cleverley), 1 July 1986 through 30 June 1987. (Project 761794 - Continuation)

\$74,542.00 - Ministry of Education, Republic of Korea, Seoul, Korea, Korean Science Teacher Institute, Department of Educational Theory and Practice (V. J. Mayer), 1 June 1986 through 31 July 1986. (Project 765407 - New)

\$53,359.00 - North Central Computer Institute, Madison, WI, A Computer-Aided Instructional Program Using a Plant Video Disc and a Data Base for Horticultural and Landscape Architectural Study, Department of Horticulture - OARDC and Department of Horticulture (T. D. Sydnor), 1 November 1985 through 31 December 1986. (Project 765367 - New)

\$49,759.00 - American Federation of Labor and Congress of Industrial Organizations, Washington, DC, Labor Studies Curriculum Materials for Vocational/Technical Secondary School Instructors and Students, The

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Other Non-Federal Research Contracts/Grants (contd)

National Center for Research in Vocational Education (R. E. Taylor), 15 May 1986 through 15 December 1986. (Project 765411 - New)

\$45,740.00 - Paralyzed Veterans of America, Washington, DC, Trial of a 5-Lipoxygenase Inhibitor in Experimental Spinal Cord Injury, Department of Physiological Chemistry (L. A. Horrocks), 1 July 1986 through 30 June 1987. (Project 765481 - New)

\$38,877.00 - Battelle Memorial Institute, Seattle, WA, Immunosuppressive Approaches to the Treatment of Kidney Transplant Recipients, Department of Surgery (R. M. Ferguson), 21 October 1985 through 30 April 1987. (Project 765503 - New)

\$33,300.00 - Jessie Smith Noyes Foundation, New York, NY, Tropical Forest Management: A Graduate Fellowship Program, Department of Natural Resources (C. B. Davis), Department of Agricultural Economics and Rural Sociology (D. D. Southgate) and Department of Natural Resources - OARDC (M. M. Larson), 1 September 1986 through 31 August 1988. (Project 765520 - New)

\$25,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, OH, Biochemical Characterization of Human Cardiomyopathy, Department of Internal Medicine and Department of Physiological Chemistry (R. A. Altschuld), 1 July 1986 through 30 June 1987. (Project 765455 - New)

\$25,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, OH, Clinical-Morphometric Correlates in Human Myocardial Disease - Young Investigatorship, Department of Pathology (P. B. Baker), 1 July 1986 through 30 June 1987. (Project 765493 - New)

\$25,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, OH, Impedance in Heart Failure: Response to Therapeutic Agents - Young Investigator Award, Department of Internal Medicine (P. F. Binkley), 1 July 1986 through 30 June 1987. (Project 765422 - New)

\$25,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, OH, Molecular Genetics of the Human Heart, Department of Genetics (S. Falkenthal), 1 July 1986 through 30 June 1987. (Project 765453 - New)

\$25,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, OH, Myosin Isoenzymes and Energy Liberation in Single Muscle Cells, Department of Physiology (J. A. Rall), 1 July 1986 through 30 June 1987. (Project 765469 - New)

\$25,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, OH, Oxygen Radicals and Reperfusion Damage in Anoxic Myocytes, Department of Physiological Chemistry (G. P. Brierley), 1 July 1986 through 30 June 1987. (Project 765447 - New)

\$25,000.00 - University of California, Lawrence Livermore Laboratories, Livermore, CA, HF (High Frequency) Shipboard Antennas, Department of

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Other Non-Federal Research Contracts/Grants (contd)

Electrical Engineering, ElectroScience Laboratory (R. Rudduck), 1 July 1986 through 30 November 1986. (Project 765509 - New)

\$24,705.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, OH, The Role of Carbonic Anhydrase in Proximal Tubular Function, Department of Physiology (B. A. Biagi), 1 July 1986 through 30 June 1987. (Project 765468 - New)

\$23,267.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, OH, Fluorescence Measurements in Calcium Tolerant Myocytes, Department of Physiology (B. T. Stokes), 1 July 1986 through 30 June 1987. (Project 765504 - New)

\$21,559.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, OH, Cholesterol-Atherosclerosis-Prevention - Fish Oils, Department of Physiological Chemistry (R. V. Panganamala), 1 July 1986 through 30 June 1987. (Project 765456 - New)

\$18,337.00 - Ohio Cancer Research Associates, Columbus, OH, Cyclic AMP Dependent Protein Kinase, Regulation of Macrophage Antitumor Activity, Department of Microbiology (B. S. Zwilling), 1 July 1986 through 30 June 1987. (Project 765470 - New)

\$18,331.00 - Muscular Dystrophy Association, New York, NY, Skeletal Muscle Z-Lines: Fractionation and Study of Protein Constituents, Department of Veterinary Anatomy (M. Yamaguchi), 1 July 1986 through 30 June 1987. (Project 765464 - New)

\$18,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, OH, Adrenal Catecholamine Release: Receptor Mechanisms, College of Pharmacy (D. B. McKay), 1 July 1986 through 30 June 1987. (Project 764769 - Continuation)

\$18,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, OH, Clinical-Morphometric Correlates in Human Myocardial Disease - Grant-in-Aid, Department of Pathology (P. B. Baker), College of Pharmacy (J. M. Jagadeesh), Department of Internal Medicine (D. Unverferth) and Department of Preventive Medicine (M. Moeschberger), 1 July 1986 through 30 June 1987. (Project 765494 - New)

\$18,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, OH, Drug Responses in Isolated Human Coronary Arteries, Department of Internal Medicine (D. V. Unverferth and R. C. Starling), 1 July 1986 through 30 June 1987. (Project 765414 - New)

\$18,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, OH, Impedance in Heart Failure: Responses to Therapeutic Agents, Department of Internal Medicine (P. F. Binkley and C. V. Leier), 1 July 1986 through 30 June 1987. (Project 765412 - New)

\$18,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, OH, Systolic/Diastolic Ventricular Function: Doppler

September 4 and 5, 1986 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)

Assessment, Department of Internal Medicine (P. F. Binkley and S. C. Hirsch), 1 July 1986 through 30 June 1987. (Project 765427 - New)

\$17,843.00 - Ohio Cancer Research Associates, Columbus, OH, Development of Solid-Phase Immunoassays for Human Deoxynucleoside Kinase Isoenzymes, Department of Biochemistry (D. Ives), 1 July 1986 through 30 June 1987. (Project 765465 - New)

\$17,642.00 - University of California, Berkeley, CA, Faculty Participation with the Superconducting Super Collider Central Design Group, Department of Physics (H. P. Kagan and R. D. Kass), 1 January 1986 through 30 June 1986. (Project 765217 - Continuation)

\$15,509.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, OH, Exercise Intervention of Microvascular Disease in Diabetics, School of Health, Physical Education and Recreation (W. M. Sherman), 1 July 1986 through 30 June 1987. (Project 765449 - New)

\$15,125.00 - Muskingum College, New Concord, OH, Brain Electrical Activity Related to Information Processing in the Learning Disabled - Technical Assistance and Consultation to Muskingum College, Department of Educational Theory and Practice (M. Languis), 1 May 1986 through 30 September 1987. (Project 765492 - New)

\$15,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, OH, Molecular Genetics of Human Vascular Smooth Muscle, Department of Biochemistry (E. F. Vanin), 1 July 1986 through 30 June 1987. (Project 765476 - New)

\$15,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, OH, Smokeless Tobacco and Blood Pressure in Males Ages 13-25, Oral Biology (K. Schroeder) and School of Health, Physical Education and Recreation (M. S. C. Chen), 1 July 1986 through 30 June 1987. (Project 765516 - New)

\$15,000.00 - American Heart Association, Ohio Affiliate, Inc., Columbus, OH, Atrial Natriuretic Factors in Cardiac Disease, Department of Internal Medicine (H. Boudoulas), 1 July 1986 through 30 June 1987. (Project 765498 - New)

\$14,880.00 - Battelle Memorial Institute, Columbus, OH, Exploratory Development Study of Applications for the Weld Quality Monitor, Department of Welding Engineering (D. G. Howden), 22 May 1986 through 21 December 1986. (Project 765440 - New)

\$14,813.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, OH, Ventricular Performance: Evaluation by Vena Caval Occlusion, Department of Internal Medicine (D. V. Van Fossen), 1 July 1986 through 30 June 1987. (Project 765459 - New)

\$14,764.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, OH, Regulation of Endogenous Endothelial Anticoagulant

September 4 and 5, 1986 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)

Activity, Department of Pathology (J. T. Brandt), 1 July 1986 through 30 June 1987. (Project 765483 - New)

\$13,345.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, OH, Effect of Ca⁺⁺ Antagonists on Mitochondrial Malic Enzyme, Department of Food Science and Nutrition (K. L. Roehrig), 1 July 1986 through 30 June 1987. (Project 765473 - New)

\$12,500.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, OH, Heart Respiratory Control by Cytochrome C Oxidase Structure - Young Investigator Award, Department of Physiological Chemistry (F. G. Fiamingo), 1 July 1986 through 30 June 1987. (Project 765436 - New)

\$11,457.00 - Capital University, Columbus, OH, Student Personnel in Higher Education, Department of Educational Policy and Leadership (R. F. Rodgers), 4 August 1986 through 31 May 1987. (Project 765418 - Continuation)

\$11,000.00 - Six Members of the National Entrepreneurship Education Consortium, National Entrepreneurship Education Consortium, The National Center for Research in Vocational Education (R. E. Taylor), 1 July 1985 through 30 June 1986. (Project 764945 - Continuation)

\$10,400.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, OH, Drug Responses in Isolated Human Coronary Arteries, Department of Physiological Chemistry (J. D. Johnson) and Department of Internal Medicine (R. C. Starling), 1 July 1986 through 30 June 1987. (Project 765451 - New)

\$10,252.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, OH, Pathophysiology of Post-Prandial Hypotension in the Elderly, Department of Internal Medicine (R. L. Donnerberg and S. E. Washington), 1 July 1986 through 30 June 1987. (Project 765458 - New)

\$9,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, OH, Chronic Congestive Heart Failure: Effects of Naloxone, Department of Internal Medicine (C. V. Leier and N. Majetich), 1 July 1986 through 31 December 1986. (Project 765437 - New)

\$9,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, OH, Heart Respiratory Control by Cytochrome C Oxidase Structures, Department of Physiological Chemistry (F. G. Fiamingo), 1 July 1986 through 30 June 1987. (Project 765433 - New)

\$8,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, OH, Systolic/Diastolic Ventricular Function: Doppler Assessment, Department of Internal Medicine (P. F. Binkley) and Department of Internal Medicine - Administration (S. C. Hirsch), 1 July 1986 through 30 June 1987. (Project 765452 - New)

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Other Non-Federal Research Contracts/Grants (contd)

\$6,205.00 - National Dairy Herd Improvement, Assoc., Inc., Columbus, OH, Socioeconomic Issues in the Utilization of the Dairy Herd Improvement Individual Cow Somatic Cell Counting Program, Department of Veterinary Preventive Medicine (W. D. Hueston), 1 July 1986 through 30 June 1987. (Project 765443 - New)

\$6,130.00 - Otterbein College, Westerville, OH, Student Personnel in Higher Education, Department of Educational Policy and Leadership (R. F. Rodgers), 20 August 1986 through 14 June 1987. (Project 765419 - Continuation)

\$5,000.00 - State of Ohio, Department of Education, Columbus, OH, Career Guidance Consortium, The National Center for Research in Vocational Education (R. E. Taylor), 1 October 1985 through 30 September 1986. (Project 765089 - Continuation)

\$4,800.00 - North Atlantic Treaty Organization, Brussels, Belgium, Mantle and Crustal Processes in Subvolcanic Alkali Rock Petrogenesis, Department of Geology and Mineralogy (K. A. Foland), 1 May 1986 through 30 April 1987. (Project 765324 - New)

\$4,000.00 - Central Ohio Diabetes Association, Columbus, OH, Comparison of Electrogastrographic Data from Normal, Diabetic, and Gastroparetic Patients, Department of Family Medicine (L. Vandecreek), 1 July 1986 through 30 June 1987. (Project 765517 - New)

\$2,483.50 - Morris Animal Foundation, Englewood, CO, Cloning of the Antigens of Potomac Horse Fever by Using Recombinant DNA Technology, Department of Veterinary Pathobiology (Y. Rikihisa), 1 April 1986 through 30 September 1986. (Project 765307 - Continuation)

\$2,143.00 - The Burroughs Wellcome Fund, Research Triangle Park, NC, Neuropathologic Changes Associated with Neutron Irradiation and Boron Neutron Capture Therapy of Rat Glioblastoma, Department of Pathology (R. F. Barth), 20 May 1986 through 30 September 1986. (Project 765420 - New)

\$2,100.00 - The Columbus Foundation, Columbus, OH, Carers of the Chronically Ill, College of Social Work (H. Schneiderman), 1 May 1986 through 30 April 1987. (Project 765450 - New)

\$2,000.00 - Louisiana State Department of Education, Baton Rouge, LA, National Entrepreneurship Education Consortium, The National Center for Research in Vocational Education (R. E. Taylor), 1 July 1985 through 30 June 1986. (Project 764945 - Continuation)

\$2,000.00 - New York State Department of Education, Albany, NY, National Entrepreneurship Education Consortium, The National Center for Research in Vocational Education (R. E. Taylor), 1 July 1985 through 30 June 1986. (Project 764945 - Continuation)

\$2,000.00 - St. Louis Community College, St. Louis, MO, National Postsecondary Alliance, The National Center for Research in Vocational

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Other Non-Federal Research Contracts/Grants (contd)

Education (R. E. Taylor), 1 July 1986 through 30 June 1987. (Project 765434 - Continuation)

\$750.00 - American Chemical Society, Washington, DC, Calcium and Cardiovascular Disease, Department of Physiological Chemistry (J. D. Johnson) and College of Medicine - Administration (C. L. Yash), 16 June 1986 through 22 August 1986. (Project 765499 - New)

\$750.00 - American Chemical Society, Washington, DC, Mechanism of Membrane Breakdown after Spinal Cord Injury, Department of Physiological Chemistry (A. A. Farooqui) and College of Medicine - Administration (C. L. Yash), 16 June 1986 through 22 August 1986. (Project 765500 - New)

\$750.00 - American Chemical Society, Washington, DC, Mechanisms of Platelet Aggregation, Department of Physiological Chemistry (R. V. Panganamala) and College of Medicine - Administration (C. L. Yash), 16 June 1986 through 22 August 1986. (Project 765501 - New)

\$750.00 - American Chemical Society, Washington, DC, 60 kd Oncofetal Protein as a Tumor Marker, Department of Physiological Chemistry (T. E. Webb) and College of Medicine - Administration (C. L. Yash), 16 June 1986 through 22 August 1986. (Project 765502 - New)

TOTAL - OTHER NON-FEDERAL AWARDS \$2,301,659.50

ENGINEERING EXPERIMENT STATION

State Sponsored Research and Development

\$50,000.00 - Edison Partnership Program, Department of Development, Columbus, OH, and Ribbon Technology, Gahanna, OH, "Production and Evaluation of Rapidly Solidified Filler Materials for Joining Applications," Department of Welding Engineering, 1 June 1986 through 31 May 1987. (529706)

\$49,996.00 - Edison Partnership Program, Department of Development, Columbus, OH, and Rimrock Corporation, Columbus, OH, "Design and Control Enhancements for the Rimrock M-7 Material Handling Robot," Department of Mechanical Engineering, 1 July 1986 through 30 June 1987. (312881)

TOTAL - STATE SPONSORED RESEARCH \$ 99,996.00

Industrial and Other Sponsored Research and Development

\$318,240.00 - Chrysler Corporation, Detroit, MI, "Sheet Forming Analysis - a Practical Finite Element Program," Department of Metallurgical Engineering, 1 July 1986 through 30 June 1989. (312873)

\$238,415.00 - Chrysler Corporation, Detroit, MI, "Development of N.D.E. Techniques for the Determination of Adhesive Quality," Department of Welding Engineering, 1 June 1986 through 31 May 1989. (312879)

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

ENGINEERING EXPERIMENT STATION (contd)

Industrial and Other Sponsored Research and Development (contd)

\$85,600.00 - Additional funding from Lockheed California Company, Burbank, CA, "Wind Tunnel Test of an Advanced Two-Element Airfoil," Department of Aeronautical and Astronautical Engineering, 1 October 1985 through 31 July 1986. (312859, Ext. 1)

\$38,748.00 - Additional funding from Universal Energy Systems, Inc., Dayton, OH, "Advanced Simulation Language and Multi-Computer Design for Improving the Performance of Modeling and Control of Metal Forming Processes," Department of Computer and Information Science, 15 November 1985 through 30 September 1987. (312869)

\$36,948.00 - from 33 sponsors of 40 development projects under the direction of three engineering departments or research areas.

\$30,000.00 - Wolverine Gasket Company, Inkster, MI, "Evaluation of Disc Brake Pads," Department of Mechanical Engineering, 23 June 1986 through 30 June 1987. (312878)

\$29,987.00 - Hammermill Paper Company, Erie, PA, "Roll Deck Simulation," Department of Industrial and Systems Engineering, 1 April 1986 through 31 August 1986. (529710)

\$25,000.00 - Additional funding from AT&T Bell Laboratories, Columbus, OH, "Radiation Heat Transfer in Modeling Glass/ Metal Electronic Sealing Components," Department of Mechanical Engineering, 17 December 1984 through 28 February 1987. (529669, Ext. 1)

\$24,972.00 - Martin Marietta Corporation, Denver, CO, "Design Study of a Wrist for the Advanced Manipulation System," Department of Mechanical Engineering, 19 May 1986 through 12 December 1986. (529709)

\$20,000.00 - GE/Aircraft Engine Business Group, Cincinnati, OH, "Design of a 1/12 Scale Model Ejector Powered Engine Simulator for the Unducted Fan Product Line Engine," Department of Aeronautical and Astronautical Engineering, 6 June 1986 through 30 September 1986. (312880)

\$19,803.00 - GE/Aircraft Engine Business Group, Cincinnati, OH, "A Fundamental Study of Weld HAZ Cracking in Cast Ni-Based Alloys," Department of Welding Engineering, 13 May 1986 through 31 March 1987. (529711)

\$19,536.00 - Kitchen Aid Division, Hobart Corporation, Troy, OH, "Mixer Stress Analysis," Department of Mechanical Engineering, 15 June 1986 through 14 December 1986. (312882)

\$14,500.00 - From various industries making up the membership of the Engineering Research Center on Net Shape Manufacturing, Columbus, OH, "Battelle Technical Assistance for the ERC," under the direction of Dr. Taylan Altan, 15 June 1986 through 30 June 1987. (529204)

\$10,000.00 - Dima Natural Resources Corporation, Dallas, TX, "Extraction of Precious Metals from Utah Black Shale," Department of Metallurgical

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

ENGINEERING EXPERIMENT STATION (contd)

Industrial and Other Sponsored Research and Development (contd)

Engineering, Division of Mining, 16 May 1986 through 30 September 1986.
(312877)

TOTAL - INDUSTRIAL AND OTHER SPONSORED RESEARCH \$ 911,749.00

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND

Establishment of Named Funds

The Admissions and Allocations Fund

The Admissions and Allocations Fund was established September 5, 1986, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from numerous donors.

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 shall be used to support projects and programs as determined each year by the Admissions and Allocations Committee of The Ohio State University Development 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.

The Lawrence D. Stanley Professorship in Law

The Lawrence D. Stanley Professorship in Law was established September 5, 1986, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from Mrs. Lawrence D. Stanley of Columbus, in memory of her husband, Lawrence D. Stanley (B.A. '27), a distinguished corporate lawyer, who practiced law in Columbus with the firm of Porter, Stanley, Platt and Arthur (and predecessor firms) until his retirement in 1977.

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.

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 Lawrence D. Stanley Professorship as recommended by the Dean of the College of Law to the Provost of The Ohio State University and approved by the Board of Trustees.

The named professor will devote significant time to one or more of the areas in which Mr. Stanley practiced: the law of business associations (including corporations, partnerships, and other business enterprises),

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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 Lawrence D. Stanley Professorship in Law (contd)

business litigation, business or financial planning, securities regulation, the law of taxation as it impacts on corporations and other business enterprises, and other law relating to the activities of corporations and other business enterprises.

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 then responsible for the College of Law.

Meat Science Endowment Fund

The Meat Science Endowment Fund was established September 5, 1986, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from various transfer funds within the 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 annual income shall be used to support students, travel and research expenses related to Meat Science in the Department of Animal Science. All expenditures from the fund shall be approved by 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 the recommendations from the appropriate administrative official of the University who is then directly responsible for instruction in agriculture.

Center for Epigraphical Studies

The Center for Epigraphical Studies was established September 5, 1986, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from various transfer funds from the College of Humanities.

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 shall be used to fund the purchase of materials and equipment and to provide personnel services in connection with the

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

Establishment of Named Funds (contd)

Center for Epigraphical Studies (contd)

activities of the Center for Epigraphical Studies at the discretion of the Chairperson of the Department of Classics.

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 meeting the educational goals of the College of Humanities.

Emerson and Miriam Wollam Scholarship Fund

The Emerson and Miriam Wollam Scholarship Fund was established September 5, 1986, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from Robert Wollam, Kristin Goodwillie, Gretchen O'Connor, and Karen Sewell, in honor of their father, Emerson Wollam (B.S.S.A. '33) and in memory of their mother, Miriam Wollam (M.S.W. '64).

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 graduate student(s) currently enrolled in the College of Social Work. The student(s) must maintain a grade point average of 2.5 and be in need of financial assistance. The selection of the scholarship recipient shall be made by the University Scholarship Committee and the Dean of the College of Social Work, in cooperation with 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 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 College of Social Work.

Charles Wallschlaeger Scholarship Fund

The Charles Wallschlaeger Scholarship Fund was established September 5, 1986, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from alumni, faculty, staff, and members of the design community in recognition of Charles Wallschlaeger for twenty-five years' service as Professor and nineteen as Chairperson of the Department of Industrial Design.

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

Establishment of Named Funds (contd)

Charles Wallschlaeger 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 shall be awarded to one or more outstanding undergraduate or graduate students majoring in Industrial Design. Recipients will be determined by the established procedures within the Department of Industrial Design, with final approval by the Chairperson of the Department and the Dean of the College of The Arts in cooperation with 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 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 academic programs in the Department of Industrial Design.

The George R. Haddad Piano Scholarship

The George R. Haddad Piano Scholarship was established September 5, 1986, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from friends of George R. Haddad, Professor of the School of Music.

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 shall be awarded to one or more outstanding undergraduate or graduate students in music with piano as their major instrument.

Recipients will be selected by the established procedures within the School of Music, with final approval by the Director of the School of Music and the Dean of the College of The Arts in cooperation with 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 Board of Trustees, with preference being given to the recommendations from the appropriate administrative official of the University who is then directly responsible for academic programs in the School of Music.

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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 Guy and Jeannette Miller Scholarship Fund

The Guy and Jeannette Miller Scholarship Fund was established September 5, 1986, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from Mrs. M. R. Lepper, the daughter of Guy (B.S.Agr. '19) and Jeannette (B.S.H.E. '19) Miller.

Professor Miller, who began his career as a County Extension Agent in Trumbull County, and then became a Cooperative Extension Service Farm Management Specialist in the Department of Agricultural Economics and Rural Sociology, spent the final years of his career as an Agricultural Advisor to the government of Pakistan. Throughout his career, Guy Miller was greatly admired and respected by his co-workers, clientele, and his many friends. His wife, Jeannette, was equally admired and respected as a home economist, homemaker, and devoted wife and mother.

In accordance with the wishes of the Miller family, as well as with their financial support, and that of the faculty, staff, students, and alumni of the Department of Agricultural Economics and Rural Sociology in the College of Agriculture, plus the many friends of Guy and Jeannette Miller from throughout Ohio and neighboring states, a Memorial Scholarship Fund is hereby established.

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.

Annual income from the endowment is to be used to provide scholarship assistance to Ohio high school graduates who have an outstanding record in their academic work, as well as in their 4-H Club accomplishments. These scholarships may vary in value according to the interest income generated from the endowment. To the extent possible, each scholarship shall be awarded for at least \$500, and these scholarships shall be awarded to entering freshmen who meet the aforementioned qualifications, and who will be enrolled in either the College of Agriculture or the College of Home Economics. The scholarships shall go to students entering the College of Agriculture or the College of Home Economics (alternately in succeeding years).

Criteria for the selection of recipients of "The Guy and Jeannette Miller Scholarship" shall include those qualities of scholarship, leadership, integrity, and excellence in 4-H Club projects and activities which were fostered by Guy and Jeannette Miller throughout their lifetimes. Administration of these scholarships shall be under the Vice President, Agricultural Administration, with the selection of scholarship recipients to be the joint responsibility of appropriate officers in the College of Agriculture and College of Home Economics and the State 4-H Office in cooperation with the University Committee on Student Financial Aid, with chairpersonship of the selection committee to reside in the College of Agriculture.

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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 Guy and Jeannette Miller Scholarship 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 4-H Club programs.

Paul D. Morrill Memorial Lecture Fund

The Paul D. Morrill Memorial Lecture Fund was established September 5, 1986, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from Alice B. Morrill, Columbus, Ohio, and friends in memory of Paul D. Morrill, retired University Architect.

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 shall be used to underwrite the costs of lectures with the focus directed toward the design of kitchen facilities. Appropriate promotional efforts will be given to each presentation. Expenditure of funds shall be at the recommendation of the Chairperson of the Department of Architecture and approved by the Director of the School of Architecture.

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 Architecture.

The Social Psychology Advancement Fund

The Social Psychology Advancement Fund was established September 5, 1986, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from Dr. Anthony Greenwald, Professor of Social Psychology.

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 shall be used if possible on a matching basis with funds from other University sources to support colloquia arranged by the social psychology area. The fund will be supervised by an oversight committee in conjunction with the Chairperson of the Department of

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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 Social Psychology Advancement Fund (contd)

Psychology and the Office of the Dean of the College of Social and Behavioral Sciences. This committee will consist of the faculty of the social psychology area, chaired by the area head.

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 Department of Psychology.

Change of Name and Description of Named Fund

Department of Family Resource Management 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 to The Ohio State University Development Fund from alumni, faculty and friends of the Department of Family Resource Management of the College of Home Economics. The name and description were changed September 5, 1986.

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 Family Resource Management 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 Family Resource Management. 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 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 consumer/family economics, equipment and family resource management education.

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION

Report - July 1986

Federal Research Contracts/Grants

\$260,000.00 - National Science Foundation, Washington, DC, The Ohio State University Materials Research Laboratory, Materials Research Laboratory (J. C. Garland), 1 July 1986 through 30 June 1987. (Project 764920 - Continuation)

\$161,683.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, Synthetic Elaboration of Polyquinane Natural Products, Department of Chemistry (L. A. Paquette), 1 July 1986 through 30 June 1987. (Project 762298 - Continuation)

\$135,862.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, Stereochemistry of Enzyme Reactions to Phosphorus, Department of Chemistry (M. D. Tsai), 1 July 1986 through 30 June 1987. (Project 762722 - Continuation)

\$121,191.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, Immunosuppressive Properties of Retrovirus Protein, Department of Veterinary Pathobiology (R. G. Olsen and L. E. Mathes), 1 July 1986 through 30 June 1987. (Project 762986 - Continuation)

\$118,480.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, Molecular Genetics of Epstein-Barr Virus, Department of Medical Microbiology and Immunology (M. R. Glaser), 1 July 1986 through 30 June 1987. (Project 764251 - Continuation)

\$117,849.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, Intramolecular Electron Migration in Proteins and Polypeptides, Department of Chemistry (M. H. Klapper), 1 July 1986 through 30 June 1987. (Project 765529 - New)

\$114,562.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, Biogenesis of Mitochondria in Neurospora, Department of Genetics and Department of Biochemistry (A. M. Lambowitz), 1 November 1986 through 31 August 1987. (Project 765538 - New)

\$111,394.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, Imidazoline Analogs as Probes of A-Adrenoceptors, College of Pharmacy (D. D. Miller, P. N. Patil and D. R. Feller), 1 August 1986 through 31 July 1987. (Project 763483 - Continuation)

\$96,364.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, Gastric Function - Central Control, Department of Physiology (R. C. Rogers), 1 July 1986 through 30 June 1987. (Project 765541 - New)

\$88,355.00 - Department of Education, Office of Educational Research and

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

Improvements, Washington, DC, Medieval Slavic Manuscripts in Microform: A Proposal for Preservation and Bibliographic Access, University Libraries (J. B. Fatzer), 1 October 1986 through 30 September 1987. (Project 765545 - New)

\$85,887.00 - Department of Education, Office of Special Education, Washington, DC, Investigation of a Study Technique to Increase Learning Disabled Students' Reading Comprehension of Expository Text, Department of Human Services Education (J. O. Cooper and S. McCormick), 1 October 1986 through 30 September 1987. (Project 765043 - Continuation)

\$84,731.00 - Department of Health and Human Services, Public Health Service, Bureau of Health Professions, Bethesda, MD, Professional Nurse Traineeship Program, Department of Family and Community (M. G. MacVicar), 1 July 1986 through 30 September 1987. (Project 760803 - Continuation)

\$83,700.00 - National Science Foundation, Washington, DC, Relaxation and Magnetic Ordering in Highly Polarized Spin Systems, Department of Physics (J. R. Gaines), 1 August 1986 through 31 July 1987. (Project 764313 - Continuation)

\$70,095.00 - National Science Foundation, Washington, DC, Workshop on the Study of the Design Process, Oakland, CA - February 9-10, 1987, Department of Engineering Graphics (M. B. Waldron), 1 August 1986 through 31 July 1987. (Project 765527 - Continuation)

\$69,727.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, Corneal Endothelial Pleomorphism from Contact Lenses, College of Optometry (J. P. Schoessler), 1 August 1986 through 31 July 1987. (Project 764852 - Continuation)

\$64,248.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, The Chemistry of Biologically Relevant Quinone Imines, Department of Chemistry (J. S. Swenton), 1 August 1986 through 31 July 1987. (Project 765570 - New)

\$64,000.00 - National Science Foundation, Washington, DC, Photon- and Electron-Molecule Collisions and Molecular Resonance Phenomena, Department of Chemistry (C. W. McCurdy), 1 August 1986 through 31 July 1987. (Project 765573 - Continuation)

\$60,000.00 - Department of the Navy, Office of Naval Research, Arlington, VA, Research in Nonparametric Incomplete Rankings Procedures, Small Sample Asymptotics, and Statistical Decision Theory, Department of Statistics (D. A. Wolfe, M. A. Flinger and L. M. Berliner), 8 June 1986 through 30 September 1987. (Project 764240 - Continuation)

\$60,000.00 - National Science Foundation, Washington, DC, Low Temperature Electronic Properties of Conducting Solids, Department of Physics (J. C. Garland), 15 July 1986 through 31 December 1986. (Project 765553 - 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)

\$59,078.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, Neural Regulation of Intestinal Mucosa, Department of Physiology (H. J. Cooke), 1 July 1986 through 30 June 1987. (Project 765011 - Continuation)

\$58,000.00 - National Science Foundation, Washington, DC, Statistical Studies of the Genetic Effects Caused by Population Bottlenecks, Department of Genetics (P. A. Fuerst), 1 November 1986 through 31 October 1987. (Project 764659 - Continuation)

\$49,380.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, Isokinetic Analysis of Inspiratory Muscle Function, Department of Internal Medicine (T. L. Clanton), 1 July 1986 through 30 June 1987. (Project 764819 - Continuation)

\$49,335.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, Maternal Growth Factors in Neonatal Growth, Department of Animal Science - OARDC (F. A. Simmen), 1 July 1986 through 30 June 1987. (Project 765566 - New)

\$49,335.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, Uteroferrin Gene Expression during Fetal and Placental Development, Department of Animal Science - OARDC (R. C. M. Simmen), 1 July 1986 through 30 June 1987. (Project 765565 - New)

\$34,900.00 - National Science Foundation, Washington, DC, Topics in the Foundations of Mathematics, Department of Mathematics (H. M. Friedman), 15 July 1986 through 30 June 1987. (Project 765466 - New)

\$34,152.00 - National Science Foundation, Washington, DC, Multiuser Grant for a Cryo-Ultramicrotome, Department of Anatomy (R. W. Burry, M. Beattie, G. Bishop, R. Ho and J. S. King), 15 July 1986 through 30 June 1987. (Project 765556 - New)

\$32,600.00 - National Science Foundation, Washington, DC, Research in Algebraic and Differential Topology, Department of Mathematics (R. M. Charney and M. W. Davis), 15 July 1986 through 30 June 1987. (Project 765576 - New)

\$28,140.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, Animal Model for Otitis Media with Effusion, Department of Otolaryngology (D. J. Lim), 1 August 1986 through 31 July 1987. (Project 765558 - New)

\$27,300.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, General Clinical Research Center, College of Medicine - Administration (M. Tzagournis) and Department of Internal Medicine (W. B. Malarkey), 1 July 1986 through 30 November 1986. (Project 761196 - Continuation)

\$25,000.00 - Department of Energy, Argonne, IL, High Energy Physics -

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

Experimental Program (Task J) Topological Aspects of Quantum Field Theory, and of Finite Temperature Quantum Field Theory, Department of Physics (A. J. Niemi), 1 July 1986 through 31 December 1986. (Project 762116 - Continuation)

\$23,000.00 - National Science Foundation, Washington, DC, Algebraic K-Theory, Cyclic Homology and Pseudo-Isotopy Theory, Department of Mathematics (C. Ogle), 15 July 1986 through 30 June 1987. (Project 765557 - New)

\$16,800.00 - National Aeronautics and Space Administration, Washington, DC, The Potential Role of Calmodulin the Gravitropic Response, Department of Botany (M. L. Evans and C. L. Stinemetz), 1 June 1986 through 31 May 1987. (Project 764741 - Continuation)

\$11,242.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, Mechanical Control and Energetics of Muscle Contraction, Department of Physiology (E. Bozler), 1 September 1986 through 31 August 1987. (Project 760924 - Continuation)

\$10,000.00 - Department of the Army, Army Armament, Munitions and Chemical Command, Dover, NJ, Synthesis of Polynitro Cage Molecules, Department of Chemistry (L. A. Paquette), 7 May 1986 through 30 January 1987. (Project 765379 - Continuation)

\$10,000.00 - National Aeronautics and Space Administration, Goddard Space Flight Center, Greenbelt, MD, Emission-Line Region Variability: Implications of Photoionization Models, Department of Astronomy (B. M. Peterson and G. J. Ferland), 1 August 1986 through 31 July 1987. (Project 765542 - New)

\$7,984.00 - National Science Foundation, Washington, DC, Models of the Size and Location of Interacting Facilities, Department of Geography (M. E. O'Kelly), 1 August 1986 through 28 February 1987. (Project 764011 - Continuation)

\$5,683.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, Oral Tolerance in Allergic Encephalomyelitis, Department of Medical Microbiology and Immunology (C. C. Whitacre), 1 April 1986 through 31 March 1987. (Project 765266 - Continuation)

\$4,200.00 - National Science Foundation, Washington, DC, Vector Valued Martingale Transforms and Optimal Sets in Banach Spaces, Department of Mathematics (W. J. Davis), 15 July 1986 through 30 June 1987. (Project 765552 - Continuation)

Equipment - Department of Energy, Albuquerque, NM, U.S. Department of Energy Surplus Equipment (Energy-Related Laboratory Equipment), Engineering Experiment Station (J. W. Talmagi), 1 August 1986 through 31 July 1987. (Project 765567 - New) (Approximate Dollar Value - \$21,404)

TOTAL - FEDERAL AWARDS

\$2,504,257.00

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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

\$75,000.00 - State of Ohio, Department of Education, Columbus, Ohio, State Superintendent's Task Force, Department of Human Services Education (T. Stephens), 1 July 1986 through 30 June 1987. (Project 765537 - Continuation)

\$48,700.00 - State of Ohio, Department of Development, Columbus, OH, Water Soluble Bis (Bioreductive) Alkylators, College of Pharmacy (D. T. Witiak), 1 June 1986 through 31 May 1987. (Project 765535 - New)

\$43,924.00 - State of Ohio, Department of Health, Columbus, OH, Comprehensive Adult Hemophilia Clinic, Department of Internal Medicine (S. P. Balcerzak), 1 July 1986 through 30 June 1987. (Project 762760 - Continuation)

\$39,456.00 - State of Ohio, Department of Education, Columbus, OH, Ohio's Martin W. Essex School for the Gifted - 1986, Department of Human Services Education (R. H. Swassing), 1 April 1986 through 31 March 1987. (Project 765373 - Continuation)

\$23,453.00 - State of Ohio, Department of Natural Resources, Columbus, OH, Program to Convene a Statewide Rural Litter Law Enforcement Task Force, Department of Agricultural Economics and Rural Sociology (J. F. Donnermeyer), 20 June 1986 through 31 December 1986. (Project 765561 - New)

TOTAL - STATE OF OHIO AWARDS \$ 230,533.00

Industrial Research Contracts/Grants

\$470,000.00 - Norwich Eaton Pharmaceuticals, Inc., Norwich, NY, A Double-Blind, Placebo-Controlled, Multicenter Trial to Determine the Effects of the Sequential Dosing of Phosphate Didronel and Calcium in Postmenopausal Osteoporotic Women, Department of Internal Medicine (R. D. Jackson), 16 June 1986 through 31 January 1990. (Project 765531 - New)

\$70,856.00 - Rorer (William) Inc., Fort Washington, PA, A Double-Blind Placebo-Controlled Study of Etofenamate Gel in the Treatment of Soft Tissue Trauma Associated with Sports Injury, Department of Surgery (W. A. Zuelzer), 1 May 1986 through 31 October 1986. (Project 765569 - New)

\$70,376.00 - Pfizer, Inc., Groton, CT, Phase I Double-Blind, Placebo-Controlled Single Dose Study to Establish Tolerant Pharmacokinetics and Bioavailability of CP-73,341, Department of Pharmacology (N. Gerber), 1 May 1986 through 30 June 1987. (Project 764001 - Continuation)

\$61,664.00 - Pfizer, Inc., Groton, CT, Phase I Multiple-Dose Safety and Pharmacokinetic Study of CP-62,993 (Study of #007-501), Department of Pharmacology (N. Gerber), 1 May 1986 through 30 April 1987. (Project 764001 - Continuation)

\$33,605.00 - The Procter & Gamble Company, Cincinnati, OH, Clinical Methods Study for Gingivitis Examination, Oral Biology (W. A. Zacherl), 1 July 1986 through 31 December 1986. (Project 760029 - Continuation)

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Industrial Research Contracts/Grants (contd)

\$28,643.00 - Amarillo Cell Culture, Amarillo, TX, The Effects of Administration of Oral Bovine Alpha Interferon upon Canine Distemper Virus Infection in Gnotobiotic Dogs, Department of Veterinary Pathobiology (G. S. Krakowka), 1 July 1986 through 30 June 1987. (Project 765547 - New)

\$20,000.00 - Miles Pharmaceuticals, West Haven, CT, Prospective, Controlled, Randomized Nonblind Comparison of Ciprofloxacin (IV/PO) with Ceftazidime (IV) in the Treatment of Selected Infections (Multicenter), Department of Internal Medicine (R. J. Fass), 1 July 1986 through 30 June 1987. (Project 765530 - New)

\$17,274.00 - Merrell Dow Pharmaceuticals, Inc., Cincinnati, OH, Effect of Cepacol on Selected Oral Microorganisms, Oral Biology (S. Rosen), 1 July 1986 through 31 December 1986. (Project 765546 - New)

\$8,000.00 - Miles Pharmaceuticals, West Haven, CT, Prospective, Uncontrolled Study of the Efficacy and Safety of Intravenous Ciprofloxacin in the Treatment of Selected Infections, Department of Internal Medicine (R. F. Fass), 1 July 1986 through 30 June 1987. (Project 765532 - New)

\$6,317.00 - Norwich Pharmaceuticals, Inc., Norwich, NY, Development and Evaluation of a Genetically-Engineered Immunotoxin, Department of Veterinary Pathobiology (G. S. Krakowka), 23 June 1986 through 31 May 1987. (Project 765549 - New)

\$523.47 - Boeing Company, Seattle, WA, Compact Range Performance Analysis, Department of Electrical Engineering, ElectroScience Laboratory (B. A. Munk), 1 June 1986 through 31 December 1986. (Project 765397 - Continuation)

Equipment - International Business Machine, Milford, CT, Modification of Computer Programs to Operate on the IBM RT Personal Computer under the Advanced Interactive Executive Operating System, College of Pharmacy (C. L. Olson), 7 July 1986 through 6 January 1987. (Project 765562 - New) (Approximate Dollar Value - \$20,000)

TOTAL - INDUSTRIAL AWARDS

\$ 787,258.47

Other Non-Federal Research Contracts/Grants

\$133,986.00 - American Cancer Society, New York, NY, Patterns of Macromolecular Synthesis during Acquisition and Loss of Amplified Genes, Department of Radiology (R. M. Snapka), 1 July 1986 through 30 June 1988. (Project 765521 - New)

\$90,000.00 - The Rockefeller Foundation, New York, NY, International Network on Antibiotic Use, Department of Internal Medicine (C. M. Kunin), 1 July 1986 through 30 June 1987. (Project 765560 - New)

\$61,005.00 - University of Maine, Orono, ME, Producing Orthophoto Maps for Studying Ice Dynamics on Jacobshavn Glacier, Institute of Polar

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Other Non-Federal Research Contracts/Grants (contd)

Studies (D. H. Elliot and H. H. Brecher), 1 May 1986 through 30 April 1987. (Project 764717 - Continuation)

\$59,168.00 - March of Dimes Birth Defects Foundation, White Plains, NY, Multicenter Preterm Birth Prevention Trial, Department of Obstetrics and Gynecology (J. D. Iams), 1 July 1986 through 31 March 1987. (Project 763334 - Continuation)

\$50,000.00 - American Cancer Society, New York, NY, American Cancer Society Institutional Research Grant, Cancer Research Center (D. S. Yohn), 1 July 1986 through 30 June 1987. (Project 764472 - Continuation)

\$49,828.00 - Harvard University, Cambridge, MA, What Factors Influence How Long Math and Science Teachers Stay in Teaching?, Department of Economics (R. J. Olsen), 15 March 1986 through 31 July 1987. (Project 765544 - New)

\$33,000.00 - American Heart Association, Dallas, TX, Kinetic Studies of Xanthine Oxidase, Department of Physiological Chemistry (C. R. Hille), 1 July 1986 through 30 June 1987. (Project 765543 - New)

\$32,000.00 - March of Dimes Birth Defects Foundation, White Plains, NY, Molecular Studies of Type II DNA Topoisomerase from Avian Embryos and Tumor Cells: Gyration of Active Genes, Department of Microbiology (M. T. Muller), 1 July 1986 through 30 June 1987. (Project 765564 - Continuation)

\$31,358.00 - The University of Utah, Salt Lake City, Utah, Immunosuppressive Therapy for Biopsy-Proven Myocarditis, Department of Internal Medicine (D. V. Unverferth), 1 July 1986 through 30 June 1987. (Project 765563 - New)

\$25,000.00 - American Lung Association, New York, NY, Edward Livingston Trudeau Scholar Award, Department of Internal Medicine (P. M. Dorinsky), 1 July 1986 through 30 June 1987. (Project 764722 - Continuation)

\$21,957.00 - Centro de Investigaciones Sociologicas, Madrid, Spain, Models of Electoral Behavior of Spain, Department of Political Science (R. B. Ripley and G. A. Sani), 1 October 1986 through 31 December 1986. (Project 765555 - New)

\$19,150.00 - Southeastern Center for Electrical Engineering Education (SCEEE), St. Cloud, FL, Design and Construction of a Multiple Ion Ejection Module, Department of Chemistry and Department of Biochemistry (A. G. Marshall), 20 May 1986 through 30 September 1986. (Project 765539 - New)

\$18,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, OH, Exercise Intervention of Microvascular Disease in Diabetes (Fellowship), Department of Veterinary Physiology and Pharmacology (R. L. Hamlin) and School of Health, Physical Education and Recreation (J. Lash), 1 July 1986 through 30 June 1987. (Project 765528 - New)

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Other Non-Federal Research Contracts/Grants (contd)

\$18,000.00 - American Lung Association, New York, NY, Research Training Fellowship Application Renewal, Department of Internal Medicine (J. E. Gadek and J. L. Costello), 1 July 1986 through 30 June 1987. (Project 764742 - Continuation)

\$16,900.00 - Arthritis Foundation, Columbus, OH, Immunoregulation and Autoimmunity, Department of Internal Medicine (R. L. Whisler), 1 April 1986 through 31 March 1987. (Project 760620 - Continuation)

\$14,803.00 - Berks County Intermediate Unit, Reading, PA, Implementing Coordinated and Articulated Programming in Berks County Training Institutions, The National Center for Research in Vocational Education (C. K. Hansen), 1 July 1986 through 30 June 1987. (Project 765390 - Continuation)

\$10,252.00 - American Federation for Aging Research, New York, NY, Intestinal Physiology and Endocrine Function with and without the Effect of Somatostatin during Post-Prandial Hypertension in the Elderly, Department of Internal Medicine (R. L. Donnerberg and S. E. Washington), 1 July 1986 through 30 June 1987. (Project 765577 - New)

\$9,322.00 - National Road Foundation, Washington, DC, Design and Development Training Programs - Burma, The National Center for Research in Vocational Education (C. K. Hansen), 15 July 1986 through 30 November 1986. (Project 765540 - New)

\$7,688.00 - American Cancer Society, Ohio Division, Inc., Cleveland, OH, Development and Evaluation of a Genetically-Engineered Immunotoxin, Department of Microbiology (D. R. Galloway and C. J. Daniels), 1 July 1986 through 30 June 1987. (Project 765548 - New)

\$6,600.00 - University of Chicago, Chicago, IL, Functions and Statistics with Computers, Department of Mathematics (J. E. Schultz), 1 April 1986 through 30 June 1986. (Project 765579 - New)

\$4,595.00 - American Fishing Tackle Manufacturers Association, Arlington Heights, IL, Direct Effects of Turbidity on Largemouth Bass and Walleye Growth Rates and Use of Available Forage, Department of Zoology (R. A. Stein), 1 September 1986 through 31 August 1987. (Project 765575 - New)

\$2,000.00 - Alaska State Department of Education, Juneau, AK, National Entrepreneurship Education Consortium, The National Center for Research in Vocational Education (C. K. Hansen), 1 July 1986 through 30 June 1987. (Project 765533 - Continuation)

\$2,000.00 - North Carolina Department of Public Instruction, Raleigh, NC, National Entrepreneurship Education Consortium, The National Center for Research in Vocational Education (R. E. Taylor), 15 January 1986 through 30 June 1986. (Project 764945 - Continuation)

\$1,600.00 - National Institute for Dispute Resolution, Washington, DC, Interest Group in Negotiation and Conflict Management, College of

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Other Non-Federal Research Contracts/Grants (contd)

Business - Administration (R. J. Lewicki), 1 February 1986 through 31 August 1986. (Project 765574 - New)

\$435.00 - Cancer Therapy and Research Foundation of South Texas, San Antonio, TX, Mesothelioma Pathology Review Chairman's Support, Department of Pathology (J. G. Lucas and S. E. Tuttle), 1 January 1986 through 31 December 1986. (Project 764837 - Continuation)

\$126.00 - Cancer Therapy and Research Foundation, San Antonio, TX, Multi-disciplinary Participation in the Cancer Control Activities of the Southwest Oncology Group, Department of Internal Medicine (S. P. Balcerzak), 1 February 1985 through 30 June 1987. (Project 765208 - Continuation)

TOTAL - OTHER NON-FEDERAL AWARDS \$ 718,773.00

ENGINEERING EXPERIMENT STATION

Industrial and Other Sponsored Research and Development

\$93,690.00 - Applied Information Technology Research Center, Columbus, OH, "An Environment for Supporting Translations among Different Representations of Similar Data Objects," Department of Computer and Information Science, 1 June 1986 through 31 May 1987. (529712)

\$60,274.00 - Edison Welding Institute, Columbus, OH, "Weld Discontinuity and Bond Strength Evaluation," Department of Welding Engineering, 1 July 1986 through 30 June 1987. (529255)

\$59,781.00 - Edison Welding Institute, Columbus, OH, "NDE of Weld Processes with Remote Sensor Development," Department of Welding Engineering, 1 July 1986 through 30 June 1987. (529256)

\$47,747.00 - Edison Welding Institute, Columbus, OH, "Fluid Flow and Heat Transfer in Weld Pools," Department of Welding Engineering, 1 July 1986 through 30 June 1987. (529262)

\$46,177.00 - Additional funding from General Electric, Lamp Materials Research Lab, Cleveland, OH, "Phosphor Research," Department of Ceramic Engineering, 1 July 1984 through 30 June 1987. (529672, Ext. 2)

\$45,000.00 - Edison Welding Institute, Columbus, OH, "Development of Laboratory Feedback Control for Resistance Welding," Department of Welding Engineering, 1 July 1986 through 30 June 1987. (529264)

\$44,657.00 - from 25 sponsors of 34 development projects under the direction of four engineering departments or research areas.

\$40,558.00 - Edison Welding Institute, Columbus, OH, "Advanced Coaxial Vision Systems," Department of Welding Engineering, 1 July 1986 through 30 June 1987. (529271)

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

ENGINEERING EXPERIMENT STATION (contd)

Industrial and Other Sponsored Research and Development (contd)

\$40,000.00 - Edison Welding Institute, Columbus, OH, "Stress Intensity Factor in Tubular Welds," Department of Welding Engineering, 1 July 1986 through 30 June 1987. (529259)

\$39,008.00 - Edison Welding Institute, Columbus, OH, "Coaxial Vision Sensor Development," Department of Welding Engineering, 1 July 1986 through 30 June 1987. (529270)

\$38,000.00 - Edison Welding Institute, Columbus, OH, "Welding Thermoplastics," Department of Welding Engineering, 1 July 1986 through 30 June 1987. (529265)

\$33,510.00 - Edison Welding Institute, Columbus, OH, "Fatigue in Laser Weldments," Department of Welding Engineering, 1 July 1986 through 30 June 1987. (529260)

\$33,163.00 - Edison Welding Institute, Columbus, OH, "Off-line Vision Programming," Department of Welding Engineering, 1 July 1986 through 30 June 1987. (529269)

\$32,875.00 - Edison Welding Institute, Columbus, OH, "Model of Thermal Processes for Robotic Control," Department of Welding Engineering, 1 July 1986 through 30 June 1987. (529261)

\$32,181.00 - Edison Welding Institute, Columbus, OH, "Real Time Radiographic Monitoring of Welding Processes," Department of Welding Engineering, 1 July 1986 through 30 June 1987. (529254)

\$32,037.00 - Edison Welding Institute, Columbus, OH, "Real Time Ultrasonic Interrogation of Resistance Welds," Department of Welding Engineering, 1 July 1986 through 30 June 1987. (529258)

\$31,833.00 - Edison Welding Institute, Columbus, OH, "Arc Sensing of Pool Oscillation for Penetration Control," Department of Welding Engineering, 1 July 1986 through 30 June 1987. (529272)

\$31,134.00 - Edison Welding Institute, Columbus, OH, "High Speed Laser Weld Discontinuities," Department of Welding Engineering, 1 July 1986 through 30 June 1987. (529266)

\$30,008.00 - Edison Welding Institute, Columbus, OH, "Evaluation of Weldability Testing Techniques," Department of Welding Engineering, 1 July 1986 through 30 June 1987. (529252)

\$30,000.00 - Edison Welding Institute, Columbus, OH, "Mechanisms of Adhesion in Ceramic Joints," Department of Welding Engineering, 1 July 1986 through 30 June 1987. (529253)

\$25,000.00 - Edison Welding Institute, Columbus, OH, "Hydrogen Cracking and Related Effects in Low Carbon Structural Steel," Department of Welding Engineering, 1 July 1986 through 30 June 1987. (529251)

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

ENGINEERING EXPERIMENT STATION (contd)

Industrial and Other Sponsored Research and Development (contd)

\$24,821.00 - Edison Welding Institute, Columbus, OH, "Investigation of Submerged GTAW Process," Department of Welding Engineering, 1 July 1986 through 30 June 1987. (529267)

\$13,100.00 - Edison Welding Institute, Columbus, OH, "Resistance Welding of Aluminum Alloys," Department of Welding Engineering, 1 July 1986 through 30 June 1987. (529263)

\$12,970.00 - Edison Welding Institute, Columbus, OH, "Ultrasonic Measurement of Mechanical Properties of Welds," Department of Welding Engineering, 1 July 1986 through 30 June 1987. (529257)

\$6,000.00 - Additional funding from Battelle Columbus Laboratories, Columbus, OH, "Analysis of Miniature Charpy Specimen Data," Department of Mechanical Engineering, Nuclear Engineering Program, 1 October 1985 through 30 September 1986. (529691, Ext. 2 & 3)

\$2,000.00 - Edison Welding Institute, Columbus, OH, "Assessment of the Present Capacity of the Vision Systems," Department of Welding Engineering, 1 July 1986 through 30 June 1987. (529268)

TOTAL - INDUSTRIAL AND OTHER SPONSORED RESEARCH \$ 925,524.00

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND

Establishment of Named Funds

Humanities Fund

The Humanities Fund was established September 5, 1986, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from Barbara Brandt of Columbus, Ohio, and various transfer funds.

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 Humanities Fund of The Ohio State University's College of Humanities will provide the support necessary for the achievement of excellence in research and curricula development by its faculty and students through the supplementation of the limited resources presently available for those purposes.

The annual income shall be used (1) to support archival, library and field research; (2) to sponsor scholarly conferences and research colloquia on The Ohio State University campus; and (3) to provide for programs necessary to foster curricular development.

The Fund will be organized into discrete segments named for the donors who provide for each segment, and will be administered by a special

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

Establishment of Named Funds (contd)

Humanities Fund (contd)

committee of the College of Humanities chaired by the Associate Dean 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 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 College of Humanities.

The Michael Pupin Memorial Fund

The Michael Pupin Memorial Fund was established September 5, 1986, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from the Serb National Federation of Pittsburgh, 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 and reinvest as occasion dictates.

The Michael Pupin Memorial Fund was established in memory of Michael Pupin, Serbian scientist, scholar and diplomat, buried on American soil, whose inventions in the area of telecommunications provided a solid basis for this branch of science with gifts to The Ohio State University Development Fund from: 1) Lodges and members of the Serb National Federation; 2) Serbian Orthodox Churches and their parishioners; and 3) Serbian Orthodox individuals throughout the USA and Canada and transmitted through the Serb National Federation for the benefit of the Resource Center for Medieval Slavic Studies (Hilandar Research Project).

The annual income shall be used to provide stipends to qualified scholars and doctoral candidates in the field of Medieval Slavic Studies, working on the study of material in the Hilandar Research Library, relating to Serbian Orthodox religion and culture.

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 Slavic and/or Serbian studies.

The Robert E. Taylor Graduate Fellowship Fund

The Robert E. Taylor Graduate Fellowship Fund was established September 5, 1986, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund in honor of Robert E.

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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 Robert E. Taylor Graduate Fellowship Fund (contd)

Taylor, founder and director of the National Center for Research in Vocational Education for twenty years.

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 shall be used to support a doctoral level graduate student in comprehensive vocational education preparing for initial or advanced leadership responsibility in a state department (division) of vocational education. One student is to be selected every two years to allow the individual the time required to complete the degree. Selection of the recipient is to be made by the National Center for Research in Vocational Education, The Ohio State University. Income produced in excess of the amount required for annual support of the doctoral level graduate student, will be used for appropriate national leadership initiatives as determined by the National Center for Research in Vocational 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 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 National Center for Research in Vocational Education.

In the unlikely event that the National Center for Research in Vocational Education should cease to exist as a unit of the University then the administration and selection authority under the stated purposes for the Fund should be assigned to the Department of Agricultural Education.

The Nikola Tesla Memorial Fund

The Nikola Tesla Memorial Fund was established September 5, 1986, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from the Serb National Federation of Pittsburgh, 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 and reinvest as occasion dictates.

The Nikola Tesla Memorial Fund was established in the memory of Nikola Tesla, Serbian scientist, son of a Serbian Orthodox priest, inventor whose contributions to the development of modern technology and civilization are of immense value to the entire world, buried on American soil, with gifts to The Ohio State University Development Fund from: 1) Lodges and members of the Serb National Federation; 2) Serbian Orthodox

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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 Nikola Tesla Memorial Fund (contd)

Churches and their parishioners; and 3) Serbian orthodox individuals throughout the USA and Canada and transmitted through the Serb National Federation for the benefit of the Resource Center for Medieval Slavic Studies (Hilandar Research Project).

The annual income shall be used to provide stipends to qualified scholars and doctoral candidates in the field of Medieval Slavic Studies, working on the study of material in the Hilandar Research Library, relating to Serbian Orthodox religion and culture.

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 Slavic and/or Serbian studies.

Marian K. Thomas Horticulture Fund

The Marian K. Thomas Horticulture Fund was established September 5, 1986, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from Mrs. Marian K. Thomas 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 shall be used to provide scholarships to one or more undergraduate students in the area of landscape architecture. Selections shall be made by the faculty of the Horticulture Department in consultation with the Assistant Dean for Student Affairs in the College of Agriculture and the University Committee on Student Financial Aid. Insofar as practical, the donor shall be involved in the selection of the recipient. Criteria for the scholarship shall emphasize financial need, academic achievement and the student's personal motivation.

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 horticultural instruction.

The Bishop Mardarije Uskokovich Memorial Fund

The Bishop Mardarije Uskokovich Memorial Fund was established September 5, 1986, by the Board of Trustees of The Ohio State University with gifts

September 4 and 5, 1986 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 Mardarije Uskokovich Memorial Fund (contd)

to The Ohio State University Development Fund from the Serb National Federation of Pittsburgh, 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 and reinvest as occasion dictates.

The Bishop Mardarije Uskokovich Memorial Fund was established in memory of the first Bishop of the Serbian Orthodox Diocese of the United States and Canada, founder of St. Sava Serbian Orthodox Monastery in Libertyville, Illinois, buried in Libertyville, Illinois, with gifts to The Ohio State University Development Fund from: 1) Lodges and members of the Serb National Federation; 2) Serbian Orthodox Churches and their parishioners; and 3) Serbian Orthodox individuals throughout the USA and Canada, and transmitted through the Serb National Federation for the benefit of the Resource Center for Medieval Slavic Studies (Hilandar Research Project).

The annual income shall be used to provide stipends to qualified scholars and doctoral candidates in the field of Medieval Slavic Studies, working on the study of material in the Hilandar Research Library, relating to Serbian Orthodox religion and culture.

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 Slavic and/or Serbian studies.

Bishop Nikolai Velimirovich Memorial Fund

The Bishop Nikolai Velimirovich Memorial Fund was established September 5, 1986, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from Serb National Federation of Pittsburgh, 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 and reinvest as occasion dictates.

The Bishop Nikolai Velimirovich Memorial Fund has been established in memory of the most eminent Serbian Bishop and national leader, buried in Libertyville, Illinois, with gifts to The Ohio State University Development Fund from: 1) Lodges and members of the Serb National Federation; 2) Serbian Orthodox Churches and their parishioners; and 3) Serbian Orthodox individuals throughout the USA and Canada, and

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

Establishment of Named Funds (contd)

Bishop Nikolai Velimirovich Memorial Fund (contd)

transmitted through the Serb National Federation for the benefit of the Resource Center for Medieval Slavic Studies (Hilandar Research Project).

The annual income shall be used to provide stipends to qualified scholars and doctoral candidates in the field of Medieval Slavic Studies, working on the study of Material in the Hilandar Research Library, relating to Serbian Orthodox religion and culture.

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 Slavic and/or Serbian studies.

The Walter William Cooke Memorial Fund

The Walter William Cooke Memorial Fund was established September 5, 1986, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from Mrs. Dorothy G. Cooke, in memory of her late husband, Walter W. Cooke.

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 shall be used to support the Raptor Rehabilitation Program in the College of Veterinary Medicine. Should this program be discontinued for any reason, the fund will continue in support of veterinary medical education, preferably for birds.

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 veterinary medicine education.

The Taber-Thompson Fellowship

The Taber-Thompson Fellowship was established September 5, 1986, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from the Taber 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.

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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 Taber-Thompson Fellowship (contd)

The annual income shall be used to provide graduate fellowships for doctoral students in the College of Home Economics. Preference will be given to a student with interest in human nutrition. The fellowship will be awarded by the Dean of the College of Home Economics upon the recommendation of the College Financial Aid and Scholarship Committee in cooperation with 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 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 College of Home Economics.

Stella J. Becker Scholarship Fund

The Stella J. Becker Scholarship Fund was established September 5, 1986, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from friends and former students in recognition of Stella J. Becker for distinguished instruction in dance and service to the Central Ohio community.

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 shall be awarded to one or more outstanding undergraduate or graduate students who major in the Department of Dance. Recipients will be determined by the established procedures within the Department of Dance, with final approval by the Chairperson of the Department and the Dean of the College of The Arts in cooperation with 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 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 academic programs in the Department of Dance.

The Agricultural Leaders Fund

The Agricultural Leaders Fund was established September 5, 1986, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from Fayette F. Simonds, Lois Simonds Hungate, Florence Simonds Benson, and other family and friends of Sterling W. Simonds, Certificate of Horticulture, '18.

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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 Agricultural Leaders 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 shall be used to fund special projects or programs which will enhance the learning experience for students in the College of Agriculture. Priorities will be given to those projects which benefit the greatest number of students per dollar spent and which are unique and creative in their nature. Procedures for funding projects and projects under this fund shall be established by the Dean of the College of Agriculture and shall involve representatives of the faculty, alumni and students in 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 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 undergraduate student activities in the College of Agriculture.

Max V. and Carolyn Martin Puderbaugh Bonsai Scholarship Fund

The Max V. and Carolyn Martin Puderbaugh Bonsai Scholarship Fund was established September 5, 1986, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from Max V. Puderbaugh (former student who attended from 1944-48) and Carolyn Martin Puderbaugh (B.S.Ed. '49) 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 shall be used to provide one or more scholarships with preference for, but not limited to students in the College of Agriculture enrolled in the Department of Horticulture. Criteria for the scholarships shall include academic achievement and an interest in, and the willingness to learn more about, the art and culture of Bonsai through extracurricular courses or activities per guidelines on file in the College of Agriculture. Preference will be given to sophomores or juniors. Scholarship recipients will be selected by a committee consisting of the Assistant Dean for Student Affairs in the College of Agriculture and appropriate faculty from the Department of Horticulture, the donors so long as they are living and any others necessary as determined by those aforementioned in cooperation with the University Committee on Student Financial Aid.

Should this scholarship go unawarded for three consecutive years, this fund shall be known as the Max V. and Carolyn Martin Puderbaugh

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

Establishment of Named Funds (contd)

Max V. and Carolyn Martin Puderbaugh Bonsai Scholarship Fund (contd)

Scholarship Fund. The income from this fund shall then be used as a general University scholarship fund, under the administration of the Office of Student Financial Aid. Preference shall then be given to students enrolled either in Engineering or Education, the areas of study pursued by the donors. The Director of Student Financial Aid shall determine the selection criteria and procedures in consultation with the donors so long as they are living.

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 Student Financial Aid.

The Richard Delaney Athletic Scholarship Fund

The Richard Delaney Athletic Scholarship Fund was established September 5, 1986, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from the family and friends in honor and memory of Richard Delaney (OSU Assistant Athletic Director, 1970-1985).

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 shall be used to provide scholarship assistance to undergraduate students in good standing who are participating in a varsity sports program. Selection of the recipient(s) is to be made by the Director of Athletics in cooperation with 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 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 athletic program at The Ohio State University.

Fulton County 4-H Endowment Fund

The Fulton County 4-H Endowment Fund was established September 5, 1986, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from the Fulton County 4-H committee and other friends of the Fulton County 4-H 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

September 4 and 5, 1986 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

Establishment of Named Funds (contd)

Fulton County 4-H Endowment Fund (contd)

The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income shall be used to support the Fulton County 4-H Program. This support may include, but is not limited to, the funding of scholarships for 4-H members; sponsoring 4-H members, volunteer leaders and friends of 4-H; sponsoring seminars and programs; purchasing material or services that will supplement 4-H programming or increase the visibility and public support for 4-H in Fulton County. All expenditures from this fund shall be approved by the Fulton County 4-H 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 the Ohio Cooperative Extension Service in consultation with a committee representing the Fulton County 4-H donors.

Hancock County 4-H Endowment Fund

The Hancock County 4-H Endowment Fund was established September 5, 1986, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from the Hancock County 4-H Committee and other friends of the Hancock County 4-H 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 annual income from this fund shall be used to support the Hancock County 4-H Program. This support may include, but is not limited to, the funding of scholarships and awards for 4-H members; volunteer leaders and friends of 4-H; sponsoring seminars and programs; purchasing material or services that will supplement 4-H programming or increase the visibility and public support for 4-H in Hancock County. All expenditures from this fund shall be approved by the Hancock County 4-H 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 the Ohio Cooperative Extension Service in consultation with a committee representing the local 4-H donors.

September 4 and 5, 1986 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 Ohio State University Marion Campus Dean's Fund

The Ohio State University Marion Campus Dean's Fund was established September 5, 1986, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from Francis E. Hazard, Ph.D., Education '73, Dean and Director of The Ohio State University Marion Campus.

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.

Twenty percent (20%) of the annual income shall be added to the fund's principal. The remaining eighty percent (80%) of the annual income shall be used for the betterment of the Marion Campus at the discretion of the current Dean and 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 purpose whatsoever as determined by the Board of Trustees, with preference being given to the recommendations from the appropriate administrative official of the University then acting as Dean and Director of the Marion Campus of The Ohio State University.

The Ottawa County 4-H Endowment Fund

The Ottawa County 4-H Endowment Fund was established September 5, 1986, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from the Ottawa County 4-H Program and supporters thereof.

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 shall be used to support the Ottawa County 4-H Program. This support may include, but is not limited to, the funding of scholarships and awards for 4-H members; volunteer leaders and friends of 4-H; sponsoring seminars and programs; purchasing material or services that will supplement 4-H programming or increase the visibility and public support for 4-H in Ottawa County. All expenditures from this fund must be approved by the members with voting powers of the Ottawa County 4-H Endowment Fund 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 the Ohio Cooperative Extension Service.

September 4 and 5, 1986 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

Establishment of Named Funds (contd)

Portage County 4-H Scholarship Endowment Fund

The Portage County 4-H Scholarship Endowment Fund was established September 5, 1986, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from the Portage County 4-H Committee and other friends of the Portage County 4-H 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 annual income shall be used each year to provide a college scholarship to one or more present or former Portage County 4-H members for their freshman year at any accredited college or university, regardless of major selected. Selection of the scholarship recipient(s) shall be based upon the "Ohio 4-H Scholarship Application" form and shall be administered and selected by the Portage County 4-H Committee. The amount of each scholarship and number of scholarships shall be determined each year by the annual income of the fund. Unused income shall be returned to the principal of this fund in order to provide larger scholarships or more of them 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 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 Ohio Cooperative Extension Service in consultation with a committee representing the local 4-H donors.

Wood County 4-H Endowment Fund

The Wood County 4-H Endowment Fund was established September 5, 1986, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from the Wood County 4-H Committee and other friends of the Wood County 4-H 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 annual income shall be used to support the Wood County 4-H Program. This support may include, but is not limited to, the funding of scholarships and awards for 4-H members; volunteer leaders and friends of 4-H; sponsoring seminars and programs; purchasing material or services that will supplement 4-H programming or increase the visibility and public support for 4-H in Wood County. All expenditures from this fund shall be approved by the Wood County 4-H Committee.

Should the need for this fund cease to exist or so diminish as to provide

September 4 and 5, 1986 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

Establishment of Named Funds (contd)

Wood County 4-H Endowment Fund (contd)

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 Ohio Cooperative Extension Service in consultation with a committee representing the local 4-H donors.

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REPORT OF AWARD OF CONTRACTS AND
ESTABLISHMENT OF CONTINGENCY FUNDS

Resolution No. 87-30

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:

AGRICULTURAL TECHNICAL INSTITUTE - PHASE III
DAIRY LABORATORY FACILITY

Description: This project provides for the construction of a new dairy facility in Wooster, Ohio, consisting of a milking cow barn for 80 cows, a heifer barn, a hay barn, a milk laboratory complex, and a computer feeder and feed mixing system. Construction is expected to begin in October 1986, and be completed during the summer of 1987.

General Contract

Date Received:	July 15, 1986
No. of Bids:	3
Low Bid:	\$ 696,869.00 ⁺
High Bid:	\$ 739,500.00

⁺General Contract and HVAC Contract are in excess of filed estimate of cost; however, the total price of all contracts is within 10% of the total estimate of cost and is recommended for award as provided by Section 153.12 of the Revised Code.

September 4 and 5, 1986 meeting, Board of Trustees

REPORT OF AWARD OF CONTRACTS AND
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)

AGRICULTURAL TECHNICAL INSTITUTE - PHASE III
DAIRY LABORATORY FACILITY (contd)

General Contract (contd)

Estimate of Cost: \$ 677,000.00
Awarded to: Stanley Miller Construction Co., East
 Sparta, OH

Plumbing Contract

Date Received: July 15, 1986
No. of Bids: 3
Low Bid: \$ 49,880.00
High Bid: \$ 56,730.00
Estimate of Cost: \$ 52,000.00
Awarded to: Maintenance Masters, Youngstown, OH

HVAC Contract

Date Received: July 15, 1986
No. of Bids: 3
Low Bid: \$ 41,545.00⁺
High Bid: \$ 59,275.00
Estimate of Cost: \$ 35,000.00
Awarded to: Allied Mechanical, Dover, OH

Electric Contract

Date Received: July 15, 1986
No. of Bids: 5
Low Bid: \$ 100,813.00
High Bid: \$ 136,442.00
Estimate of Cost: \$ 105,000.00
Awarded to: Triangle Electric Co., Canton, OH

⁺General Contract and HVAC Contract are in excess of filed estimate of cost; however, the total price of all contracts is within 10% of the total estimate of cost and is recommended for award as provided by Section 153.12 of the Revised Code.

September 4 and 5, 1986 meeting, Board of Trustees

REPORT OF AWARD OF CONTRACTS AND
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)

AGRICULTURAL TECHNICAL INSTITUTE - PHASE III
DAIRY LABORATORY FACILITY (contd)

Milk Parlor Equipment Contract

Date Received:	July 15, 1986
No. of Bids:	4
Low Bid:	\$ 99,345.00
High Bid:	\$ 121,675.00
Estimate of Cost:	\$ 104,000.00
Awarded to:	W. G. Dairy Supply, Creston, OH

Feed Distribution Contract

Date Received:	July 15, 1986
No. of Bids:	3
Low Bid:	\$ 15,140.00
High Bid:	\$ 19,972.00
Estimate of Cost:	\$ 19,000.00
Awarded to:	Bogner Construction, Wooster, OH

Silo Contract

Date Received:	July 15, 1986
No. of Bids:	2
Low Bid:	\$ 41,245.00
High Bid:	\$ 49,646.00
Estimate of Cost:	\$ 47,000.00
Awarded to:	Mast-Lepley Silo Inc., Wooster, OH

Total All Contracts:	\$1,044,837.00
Total Contingency Allowance:	\$ 79,974.05 (which is 7.5 percent of construction costs)
Total Project Cost:	\$1,142,200.00
Funding:	SB 348

September 4 and 5, 1986 meeting, Board of Trustees

REPORT OF AWARD OF CONTRACTS AND
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)

LINCOLN TOWER - SEVENTH FLOOR RENOVATION

Description: This renovation project of the seventh floor of Lincoln Tower will provide more efficient and functional office and space arrangement for the Accounting, Accounts Payable and Management Studies departments. Construction is scheduled to begin in October 1986, and is expected to be completed in the spring of 1987.

General Contract

Date Received:	July 30, 1986
No. of Bids:	5
Low Bid:	\$ 85,460.00*
High Bid:	\$ 113,603.00*
Estimate of Cost:	\$ 120,000.00*
Awarded to:	Waller & Lund, Columbus, OH

Electric Contract

Date Received:	July 30, 1986
No. of Bids:	7
Low Bid:	\$ 34,300.00*
High Bid:	\$ 63,700.00*
Estimate of Cost:	\$ 40,000.00
Awarded to:	Merit Electric, Hilliard, OH

Total All Contracts: \$ 119,760.00*

Total Contingency Allowance: \$ 9,618.08 (which is 8 percent of construction costs)

Total Project Cost: \$ 158,650.00*

Funding: University Funds

*Recommended alternates reflected in these figures.

HUGHES HALL - ELEVATOR REPLACEMENT

Description: This project involves the removal of an existing, obsolete elevator and replacing it with a modern elevator meeting Code requirements for the physically impaired. Construction is scheduled to begin August 1986, and is expected to be completed in the spring of 1987.

September 4 and 5, 1986 meeting, Board of Trustees

REPORT OF AWARD OF CONTRACTS AND
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)

HUGHES HALL - ELEVATOR REPLACEMENT (contd)

General Contract

Date Received:	June 24, 1986
No. of Bids:	2
Low Bid:	\$ 133,400.00
High Bid:	\$ 133,800.00
Estimate of Cost:	\$ 137,000.00
Awarded to:	Waller & Lund, Columbus, OH
Total All Contracts:	\$ 133,400.00
Total Contingency Allowance:	\$ 9,400.00 (which is 7 percent of construction costs)
Total Project Cost:	\$ 144,300.00
Funding:	University Funds - B/A 210134

HITCHCOCK HALL - AIR SYSTEM MODIFICATIONS

Description: This project consists of the modification of existing air handling system on the second floor, front portion of Hitchcock Hall to provide energy efficiency, and eliminate extensive repairs and excessive equipment operation. Construction is scheduled to begin December 10, 1986, and be completed by January 5, 1987.

General Contract

Date Received:	July 29, 1986
No. of Bids:	5
Low Bid:	\$ 21,320.00*
High Bid:	\$ 48,295.38*
Estimate of Cost:	\$ 67,600.00*
Awarded to:	Waller & Lund, Columbus, OH

HVAC Contract

Date Received:	July 29, 1986
No. of Bids:	3

*Recommended alternates reflected in these figures.

September 4 and 5, 1986 meeting, Board of Trustees

REPORT OF AWARD OF CONTRACTS AND
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)

HITCHCOCK HALL - AIR SYSTEM MODIFICATIONS (contd)

HVAC Contract (contd)

Low Bid:	\$ 27,417.00*
High Bid:	\$ 40,900.00*
Estimate of Cost:	\$ 57,000.00*
Awarded to:	Columbus Heating & Ventilating, Columbus, OH

Electric Contract

Date Received:	July 29, 1986
No. of Bids:	4
Low Bid:	\$ 34,578.00*
High Bid:	\$ 42,300.00*
Estimate of Cost:	\$ 60,800.00*
Awarded to:	Frush & Homan, Columbus, OH
Total All Contracts:	\$ 83,315.00*
Total Contingency Allowance:	\$ 8,331.00 (which is 10 percent of construction costs)
Total Project Cost:	\$ 93,903.30*
Funding:	University Funds B/A 210134

*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 projects listed above are hereby approved.

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

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ACCEPTANCE OF THE GIFT OF REAL PROPERTY

Resolution No. 87-31

Synopsis: A report on the acceptance of the gift of real property at 1375 South Hamilton Road is presented.

September 4 and 5, 1986 meeting, Board of Trustees

ACCEPTANCE OF THE GIFT OF REAL PROPERTY (contd)

WHEREAS Monterey Life Systems, Inc., was the owner of an undivided one-half interest in real property located at 1375 South Hamilton Road in Columbus, Ohio, and desired to make a gift of this interest in the property to The Ohio State University through The Ohio State University Development Fund, for the purpose of supporting the Irving Abramowitz Memorial Professorship in the College of Business; and

WHEREAS because of the pending liquidation of Monterey Life Systems, Inc., the donor corporation desired to make this gift by August 15, 1986, which requirement made it impractical for the Board of Trustees to accept this gift prior to this September meeting; and

WHEREAS it was determined by the appropriate University offices that acceptance of this gift was in the best interests of the University and the President and Vice President for Business and Administration, in consultation with the Chairman of the Board and the Chairman of the Fiscal Affairs Committee of the Board, accepted this gift, and acquired title to this property, on behalf of the Board of Trustees pursuant to Resolution 86-28:

NOW THEREFORE

BE IT RESOLVED, That the Board of Trustees accept this report on the acceptance of this gift by Monterey Life Systems, Inc., of an undivided one-half interest in real property located at 1375 South Hamilton Road.

Upon motion of Ms. Casto, seconded by Mr. Barone, 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. 87-32

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. Barone, seconded by Ms. Casto, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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September 4 and 5, 1986 meeting, Board of Trustees

President Jennings made the following statement:

Mr. Chairman, I want to bring to the attention of the Board a matter of concern to our students in regard to their student financial aid -- specifically, the Guaranteed Student Loans program under which lending institutions make low-interest, individual loans to college students that are guaranteed by the federal government.

As you may know, there has been some confusion in recent weeks over new federal regulations that have required loans to be distributed by the universities, rather than being sent by the banking institutions directly to the students. In fulfilling our new role as the disbursing officer of these loans, we began distributing the checks to students once we received them from the banks beginning August 25, the first day that Autumn Quarter tuition could be paid.

This policy enables students to receive their loans at the time they pay their tuition prior to our September 10 fee payment deadline, as well as have funds to make their residence hall payments or rent and utility deposits, purchase their books, and in general take up campus residence for the Autumn Quarter.

The executive director of the Ohio Student Loan Commission this week sent a letter to me which claims that this policy is not in compliance with federal regulations. It is apparently his opinion that checks should not be distributed until classes begin on September 24 -- two full weeks after fees are due. He has further threatened to unilaterally declare Ohio State an ineligible institution for Guaranteed Student Loans unless we agree to withhold the checks until September 24.

Because it is our belief that these actions stem from a misunderstanding of our policies, I think it is important to clarify the University's position on disbursement of these loan checks. And I also want to point out that our staff are thoroughly familiar with the federal regulations, and we have no doubt that we have been operating in full compliance.

The regulations require that in order to receive a check, the student must enroll at an institution of higher education by completing the registration requirements and beginning what is called the "attendance period." We define the attendance period as the first day upon which students can pay fees. Any other definition would not permit our students to receive these financial aid checks to which they are fully entitled in time to pay their fees.

I might add that not only is our policy in compliance with federal regulations, we also fulfill the Commission's own requirements that loans be disbursed not more than thirty days before the beginning of the "academic" period. The first day of classes for Autumn Quarter is September 24. Our release of checks to students paying fees beginning August 25 is still within the Commission's thirty day limitation.

It is our opinion that the executive director's interpretation of the federal regulations would impose undue and unnecessary

September 4 and 5, 1986 meeting, Board of Trustees

President Jennings: (contd)

hardship on our students and their parents. I see no purpose being served by subjecting our students to unreasonable delays in the disbursement of the funds to which they are legally entitled.

I have informed the executive director and want to assure the Board that we are prepared to take whatever steps are necessary to protect the rights of our students and their ability to obtain their student loans to enroll at The Ohio State University. We are still disbursing Guaranteed Student Loan checks according to our established policies and will continue to do so.

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QUARTERLY REPORT -
WAIVERS OF COMPETITIVE BIDDING REQUIREMENTS

Resolution No. 87-33

RESOLVED, That the quarterly report on the Waivers of Competitive Bidding Requirements, dated April through June 1986, 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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REPORTS - UNIVERSITY'S INVESTMENT PORTFOLIO

Resolution No. 87-34

RESOLVED, That the reports on the University's Investment Portfolio, dated June 30, 1986, and August 15, 1986, 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, October 2, 1986, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, at 6:30 p.m.

Attest:

Madison H. Scott
Secretary

Daniel M. Galbreath
Chairman

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THE OHIO STATE UNIVERSITY
OFFICIAL PROCEEDINGS OF THE
ONE THOUSAND TWO HUNDRED AND TWENTY-FOURTH MEETING
OF THE BOARD OF TRUSTEES

Columbus, Ohio, October 2 and 3, 1986

The Board of Trustees met at its regular monthly meeting on Thursday, October 2, and Friday, October 3 1986, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, pursuant to adjournment.

* * *
Minutes of the last meeting were approved.
* * *

October 2 and 3, 1986 meeting, Board of Trustees

The Chairman, Mr. Galbreath, called the meeting of the Board of Trustees to order on October 2, 1986, at 6:30 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: Daniel M. Galbreath, Chairman, Leonard J. Immke, John W. Berry, Shirley D. Bowser, Hamilton J. Teaford, John J. Barone, Deborah E. Casto, and John W. Kessler.

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Mr. Galbreath reconvened the meeting on October 3, 1986, at 10:00 a.m.

Present: Daniel M. Galbreath, Chairman, Edmund C. Redman, Leonard J. Immke, Shirley D. Bowser, Hamilton J. Teaford, John J. Barone, Deborah E. Casto, and John W. Kessler.

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At the outset of the Board meeting, Dr. Pappachan E. Kolattukudy, Director of the Biotechnology Center and Professor of the Department of Biochemistry, gave a slide presentation which described the newly formed Ohio State University Biotechnology Center and its goals for the future.

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PERSONNEL ACTIONS

Resolution No. 87-35

RESOLVED, That the personnel actions as recorded in the Personnel Budget Records of the University since the September 5, 1986 meeting of the Board, including the following Appointment, Reappointment of Principal Administrative Official, Appointment of Chairpersons of Departments, Leaves of Absence Without Salary, Leave of Absence Without Salary--Continuation, Professional Improvement Leave, Emeritus Titles, and Emeritus Title--Change in Title as detailed in the University Budget be approved, and the Medical Staff--Appointments/Reappointments approved September 4 and September 25, 1986, by the Hospitals Board be ratified.

Appointment

Name:	CHARLES W. KERN
Title:	Dean/Professor
College/Department:	Mathematical and Physical Sciences/Chemistry
Effective:	November 1, 1986
Salary:	\$93,000.00
Present Position:	Assistant Director for Physical Science, Executive Office of the President, Office of Science and Technology Policy, Washington, DC

Reappointment of Principal Administrative Official

Board of Trustees Resolution No. 86-7, dated July 12, 1985, pertaining to the Term of Appointment for Donald E. Glower, Sr., Dean of the College of Engineering, as reads November 1, 1985, through October 31, 1990, is amended to read November 1, 1985, through January 31, 1992.

October 2 and 3, 1986 meeting, Board of Trustees

PERSONNEL ACTIONS (contd)

Appointment of Chairpersons of Departments

October 1, 1986 through June 30, 1987

Genetics Philip S. Perlman*

October 1, 1986 through August 31, 1987

Black Studies Mary Ann S. Williams*

October 1, 1986 through September 30, 1990

Physics James C. Garland

*Acting Chairperson

Leaves of Absence Without Salary

ALI E. ENGIN, Professor, Department of Engineering Mechanics, effective Autumn Quarter 1986, Winter Quarter and Spring Quarter 1987, to work at Ankara University in Turkey.

NANCY S. ERICKSON, Professor, College of Law, effective March 1, 1986, through Spring Semester 1986, for personal reasons; and effective Autumn Semester 1986 and Spring Semester 1987, to do research for a book.

GORDON J. AUBRECHT II, Associate Professor, Department of Physics (Marion), effective Autumn Quarter 1986, Winter Quarter and Spring Quarter 1987, to accept a Visiting Fellowship with the American Association of Physics Teachers at the University of Maryland.

LLEWELLYA W. HILLIS-COLINVAUX, Associate Professor, Department of Zoology, effective Autumn Quarter 1986, Winter Quarter and Spring Quarter 1987, to continue research with the marine algae, Halimeda, and accept a second year Fellowship at the Bunting Institute of Radcliffe College, Cambridge, MA.

WESLEY J. JOHNSTON, Associate Professor, Academic Faculty of Marketing, effective Autumn Quarter 1986, Winter Quarter and Spring Quarter 1987, to join the faculty of Marketing at the University of Southern California.

CATHERINE M. CONAGHAN, Assistant Professor, Department of Political Science, effective Autumn Quarter 1986, to accept a Fellowship at the Helen Kellogg Institute for International Affairs at the University of Notre Dame.

CARLYLE D. JOHNSON, Assistant Professor, Department of Art, effective Autumn Quarter 1986, Winter Quarter and Spring Quarter 1987, to accept an appointment as a Visiting Artist at the University of North Carolina.

JAMES C. SKEELES, Assistant Professor, Cooperative Extension Service, effective September 24, 1986, through November 4, 1986, to pursue full-time graduate study at The Ohio State University.

EDWARD W. WOLNER, Assistant Professor, Department of Architecture, effective Autumn Quarter 1986, Winter Quarter and Spring Quarter 1987, to do archival research on New York City skyscrapers of the 1920's.

October 2 and 3, 1986 meeting, Board of Trustees

PERSONNEL ACTIONS (contd)

Leave of Absence Without Salary--Continuation

R. WILLIAM LIDDLE, Professor, Department of Political Science, effective Autumn Quarter 1986, to continue his work in Indonesia.

Professional Improvement Leave

ZARIFE SAHENK, Associate Professor, Department of Neurology, effective October 1, 1986, through July 31, 1987.

Emeritus Titles

JAMES L. CALDWELL, Department of Horticulture, with the title Professor Emeritus, effective September 1, 1986.

MILTON AIN, College of Social Work, with the title Associate Professor Emeritus, effective September 1, 1986.

RATE A. HOWELL, Academic Faculty of Finance, with the title Associate Professor Emeritus, effective January 1, 1987.

MARY L. BOWMAN-COWAN, School of Natural Resources, with the title Associate Professor Emeritus, effective October 1, 1986.

MARTHA P. LAWRY, University Libraries, with the title Assistant Professor Emeritus, effective October 1, 1986.

Emeritus Title--Change in Title

ALFRED C. LONG, College of Dentistry - Restorative Dentistry, with the title Professor Emeritus, changed to Professor Emeritus/Assistant Dean Emeritus, effective July 1, 1986.

Upon motion of Mr. Barone, 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. 87-36

Synopsis: Resolutions honoring the service of ten 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.

Morgan L. Allison

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on August 12, 1986, of Morgan L. Allison, Professor Emeritus in the College of Dentistry.

October 2 and 3, 1986 meeting, Board of Trustees

RESOLUTIONS IN MEMORIAM (contd)

Morgan L. Allison (contd)

Dr. Allison was born on November 15, 1919. He received his D.D.S. from The Ohio State University in 1944, and joined the College of Dentistry in 1949 as an Instructor. In 1950 he was promoted to Assistant Professor; in 1953, to Associate Professor; and to Professor in 1957. He served as Chairman of the Section of Oral and Maxillofacial Surgery from 1953-1971. Dr. Allison served as Director of Continuing Dental Education from 1971-1980. He retired from the University on January 31, 1982, and was named Professor Emeritus.

Dr. Allison started the first graduate program in Oral Surgery at Ohio State and was the first dentist in Ohio to administer endotracheal anesthesia. Among the many honors accorded him, he received the Heidbrink Award of the American Dental Society of Anesthesiology in 1962; a prestigious appointment by the Ohio Board of Regents as Regents Professor in 1966; the Hullahen Memorial Award for "advancements in oral and maxillofacial surgery" from the West Virginia School of Dentistry; and this year, he received the Callahan Award, an annual award given by the Ohio Dental Association to individuals who have made outstanding contributions to the dental profession.

Dr. Allison was internationally admired for his TMJ work and his studies in surgical reduction of the tongue. During his 33 year career at Ohio State, he published many scientific articles, wrote textbook chapters, and produced 13 motion pictures as teaching aids.

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.

Lydia D. Bruny

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on September 8, 1986, of Lydia D. Bruny, Assistant Professor in the Cooperative Extension Service.

Lydia Bruny was born November 10, 1951, in Zanesville, Ohio. She attended John Glenn High School and graduated in 1969. She received her Bachelor of Science degree in Home Economics in 1973 and a Master's degree in Extension Education in 1976, both from The Ohio State University.

Ms. Bruny began her Extension experience in Perry County as a County Extension Agent, Home Economics in 1973. In 1984, she became the County Extension Agent, Home Economics in Fairfield County and remained in this position until her death.

She was a member of the Ohio Cooperative Extension Agents' Association; the professional Extension fraternal organization of Epsilon Sigma Phi; the National Association of Home Economics Agents; and Delta Kappa Gamma. Lydia Bruny was the recipient of several peer awards sponsored by the Ohio Cooperative Extension Agents' Association and the National Association of Extension Home Economists. She was highly respected by her associates throughout the State and country.

October 2 and 3, 1986 meeting, Board of Trustees

RESOLUTIONS IN MEMORIAM (contd)

Lydia D. Bruny (contd)

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 upon the minutes of the Board of Trustees and that a copy be tendered to the family of Ms. Bruny as an expression of the Board's realization of the loss which the family, the University, her many friends and associates have sustained.

George G. Everhart

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on July 20, 1986, of George G. Everhart, County Agent Emeritus in the Cooperative Extension Service.

Mr. Everhart was born November 11, 1893, in Baltic, Ohio. He received his Bachelor of Science degree in Agriculture from The Ohio State University in 1921.

He became a Club Agent in Knox County on May 1, 1928. He then moved to Morgan County as the Club Agent in April of 1933. On August 1, 1935, he returned to Knox County as the County Agriculture Agent; the position he held until his retirement on March 31, 1956.

On behalf of the University community, the Board of Trustees expresses to the family of Mr. Everhart its deepest sympathy. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to his family as a sincere expression of the Board's realization of the loss that the family, the University and his many friends and associates have sustained.

Hazel L. Gibbony

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on September 16, 1986, of Dr. Hazel L. Gibbony, Associate Professor Emeritus in the Department of Educational Policy and Leadership.

Professor Gibbony was born in October 1907, in Massena, New York. She received three degrees from The Ohio State University: a Bachelor of Arts in English in 1936; a Master's degree in 1937; and a Ph.D. in 1957. Professor Gibbony was recognized by students and teachers as a skilled practitioner in the field of Audio-Visual Materials and Instruction. She managed the Curriculum Materials Center in the College of Education from 1954 to 1968. She served from 1936 to 1962 as co-editor along with Edgar Dale of the News Letter published by the Bureau of Educational Research. Upon her retirement in 1969, she was named Associate Professor Emeritus.

Her contributions to her profession were numerous. She served on the boards and as a chief program officer for local, state, and national governmental projects aimed at improving the quality of audio-visual curriculum. She was the author and co-author of many articles, pamphlets, and books in her field. She was a member of Phi Beta Kappa and Pi Lambda Theta, the education honorary.

October 2 and 3, 1986 meeting, Board of Trustees

RESOLUTIONS IN MEMORIAM (contd)

Hazel L. Gibbon (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.

Helene Heye

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on August 4, 1986, of Helene Heye, Professor Emeritus in the Department of Family Relations and Human Development.

Dr. Heye was born January 31, 1903. She attended Hastings College in Hastings, Nebraska, from 1921-1925. She received her B.S. degree in Home Economics with a minor in Education, French, and English. Her Master's degree was earned at Iowa State University in 1927, in Home Management. Dr. Heye earned her Ph.D. in Child Welfare in 1940, from Iowa State University.

Dr. Heye came to The Ohio State University in October 1944, as an Associate Professor in the Division of Family and Child Development, now the Department of Family Relations and Human Development. In 1945 Dr. Heye was promoted to the rank of Professor and from 1945 to 1963 she served as Chair in the Department. She retired in June 1973, after almost 30 years of service to the Department, College, and University.

At The Ohio State University, Dr. Heye was a leader in the establishment of curricula for the preparation of day care teachers. She also introduced many new courses in Child Development, Program Planning, and Administration of Day Care Centers. She was Director of three Laboratory Nursery Schools as well as Director-Teacher in two schools. These laboratory schools were among the first in the nation. Dr. Heye's extensive experience in supervising field work in day care centers was enhanced by directing several in-service training programs. She served as advisor for a private non-profit nursery school and directed the first Head Start Training Program in Columbus, Ohio.

Recognition of her ability in program development included appointment on national committees such as The White House Conference on Children and Youth, 1960; Fiftieth Anniversary Celebration: Children's Bureau, 1962; and the National Conference on Day Care Services, 1963. Dr. Heye was also active in the development of day care licensing standards for the State of Ohio.

Dr. Heye contributed a great deal of her efforts to facilitate projects with the community and students. She helped to establish the local professional association, the Columbus Association for Education of Young Children. Her professional career won her wide respect in the university and academic world.

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 2 and 3, 1986 meeting, Board of Trustees

RESOLUTIONS IN MEMORIAM (contd)

Joann I. Kurbatov

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on August 20, 1986, of Joann I. Kurbatov, Associate Professor Emeritus in the Department of Physics.

Joann I. Kurbatov was born on August 25, 1894, in Vorenesh, Russia. He attended Moscow Polytechnicum and in 1922 he received his Ph.D. degree from Moscow University. He served there as a faculty member from 1922 to 1930, and in 1930-31 he was a Fellow at the Kaiser Wilhelm Institute for Chemistry. He came to the United States in 1932 and from that time until 1941, he was a research chemist at Universal Oil Products, Chicago, Illinois. He came to The Ohio State University in 1941.

Dr. Kurbatov served as a Research Associate Professor in the Department of Physics. He was a research nuclear chemist, and worked in nuclear spectroscopy, involving physics and chemistry. He was also associated with the Department of Chemistry at The Ohio State University, and had a research grant with the Atomic Energy Commission. His wife, Margaret Kurbatov, was a member of the Chemistry Department at The Ohio State University, and together they advised many graduate students in both physics and chemistry. He had an extensive publication record. Upon his retirement in 1961, he was named Associate 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.

Lyle S. Pettit, Sr.

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on September 8, 1986, of Lyle S. Pettit, Sr., Professor Emeritus in the College of Dentistry.

Dr. Pettit was born on February 18, 1905. He received his D.D.S. degree from The Ohio State University in 1929. He joined the College of Dentistry faculty in 1930 as a Demonstrator in Oral Hygiene. In 1936, he was promoted to Instructor (part-time); in 1940 to Assistant Professor (part-time); in 1944 to Associate Professor (part-time); and in 1951 to Professor (part-time). From 1929 until 1953, he was also in the private practice of dentistry in Columbus, Ohio. In 1953, Dr. Pettit became a full-time member of the faculty with the rank of Professor.

Dr. Pettit became Chairperson of the College of Dentistry Section of Pediatric Dentistry in 1951, a position he occupied until his retirement in 1972. He established the College's first curricular program in dentistry for children in 1936; and the first dental clinic at the Columbus Children's Hospital in 1939. He was one of the founders of the American Academy of Pediatric Dentistry and served as its President in 1952 and 1953.

Dr. Pettit was noted for his scholarship and was a member of Omicron Kappa Upsilon, honorary dental scholarship society. He was a Fellow of the American College of Dentists and an honorary member of the Ohio

October 2 and 3, 1986 meeting, Board of Trustees

RESOLUTIONS IN MEMORIAM (contd)

Lyle S. Pettit, Sr. (contd)

Society of Dentistry for Children. Dr. Pettit was recognized by his colleagues as the "father of pediatric dentistry" at The Ohio State University.

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.

Jean C. Rhoad

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on February 20, 1985, of Jean C. Rhoad, Assistant Professor Emeritus in the Department of English (Lima Campus).

Professor Rhoad attended The Ohio State University and graduated in 1930 with a B.S. in Education. She received a Master's degree in English from The Ohio State University in 1936.

Professor Rhoad was an Instructor of English at the Columbus Campus during 1945-46. In 1960, she was one of the first faculty members employed at The Ohio State University at Lima, and continued in that employment until 1977 when she retired and became Assistant Professor Emeritus.

She maintained a strong interest in her students long after they left the University. She dedicated her instructional efforts toward the betterment of their careers. Although she maintained her primary residence in Washington Court House, she also had continuing ties to the Lima community.

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.

John S. Tecklenberg

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on July 20, 1986, of Dr. John S. Tecklenberg, Clinical Associate - Dentistry, College of Dentistry. Dr. Tecklenberg had been a member of the dental faculty since August 1975. He received his D.D.S. degree from The Ohio State University in 1971, and was a dentist with the Whetstone Dental Group.

Dr. Tecklenberg taught in the Department of Community Dentistry. He supervised pre-doctoral and graduate students in clinical dentistry. In 1979, "Teck" was voted the Outstanding Clinical Teacher by the dental students. He served on numerous College committees including the Faculty Council. Dr. Tecklenberg was devoted to his students, treated patients with compassion and was proud of his profession.

October 2 and 3, 1986 meeting, Board of Trustees

RESOLUTIONS IN MEMORIAM (contd)

John S. Tecklenberg (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.

Edwin E. Zorn

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on September 13, 1986, of Edwin E. Zorn, Professor in the Cooperative Extension Service.

Edwin E. Zorn was born February 25, 1932, in Jackson Center, Ohio. He attended Jackson Center High School and graduated in 1950. He received his Bachelor of Science degree in Animal Science in 1954 from The Ohio State University. He then served in the artillery branch of the U.S. Army from 1954 to 1956, attaining the rank of 1st Lieutenant. Mr. Zorn then returned to The Ohio State University and received a Master's degree in Animal Science in 1969.

Mr. Zorn began his Extension experience in Warren County as an Associate County Extension Agent working with 4-H Clubs. He became the County Extension Agent, 4-H in Warren County in 1960, and remained in that position until 1965 when he was named Butler County Extension Agent, Agriculture. He served in Butler County until 1970 when he became the Eaton Area Extension Agent, Animal Industry. In 1982, he attained the rank of Professor. During most of 1982 and 1983, Professor Zorn served as the Acting Eaton Area Supervisor while also continuing his regular duties. When the Eaton Area office was closed due to a redistricting plan, Professor Zorn resumed his work as a District Specialist, Animal Industry in the Southwest District. He continued in this position until his death.

Mr. Zorn was a member of the Ohio County Extension Agents' Association; the professional Extension fraternal organization of Epsilon Sigma Phi; and the National Association of County Agricultural Agents where he received the Distinguished Service Award in 1975. This is the highest honor bestowed by the National Association in recognition of outstanding contributions to Cooperative Extension education programs. Mr. Zorn was highly respected by his peers and associates throughout the State and country.

On behalf of the University community, the Board of Trustees expresses to the family of Edwin Zorn its deepest sympathy. 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 realization of the loss which the family, the University, his many friends and associates have sustained.

Upon motion of Ms. Casto, seconded by Mr. Teaford, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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October 2 and 3, 1986 meeting, Board of Trustees

REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS

Resolution No. 87-37

Synopsis: The reports on contracts, grants, and gifts and the summary for August 1986 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 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 and The Ohio State University Development Fund during the month of August 1986 be approved.

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

SUMMARY FOR AUGUST 1986

Source	No. of Projects	Support Level
The Ohio State University Research Foundation	111	\$6,504,900.00
Engineering Experiment Station	23	\$ 458,036.00
Total	134	\$6,962,936.00
The Ohio State University Development Fund		
Establishment of Named Funds		
The A. Merle and Pearl (Gray) Hamilton Scholarship Fund (Scholarships - Marion County)		\$ 50,000.00
Carl F. and Marjorie Cottingham Obenauf Agricultural Merit Scholarship (Undergraduate students majoring in the food sciences)		\$ 16,000.00
Holmes County 4-H Endowment Fund (Scholarships)		\$ 8,285.00
The Ashley Brittany Calhoon (ABC) 4-H Leadership/Scholarship Fund (Scholarships)		\$ 5,000.00

October 2 and 3, 1986 meeting, Board of Trustees

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

SUMMARY FOR AUGUST 1986 (contd)

The Ohio State University Development Fund (contd)

Establishment of Named Funds (contd)

The William J. Tyznik Equine Research Fund (Support research and equine nutrition)	\$ 5,000.00
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Change of Name and Description of Named Fund

From:	Allen County Ohio State University Association - The Ohio State University at Lima Scholarship
To:	Allen County Ohio State University Alumni Club - Ohio State University at Lima Scholarship Endowment Fund

Change in Description of Named Fund

Ohio Staters, Inc., Outdoor Performance Center Endowment Fund

REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (cont'd)

THE OHIO STATE UNIVERSITY
OFFICE OF UNIVERSITY DEVELOPMENT

July through June
1984-85 compared to 1985-86

CONTRIBUTIONS BY DONOR TYPE

	Donors				Dollars		
	July 1984-85	through 1985-86	June % Change		July 1984-85	through 1985-86	June % Change
Alumni	48,707	47,154	(3)	\$ 7,569,001	\$ 9,681,743	28	
Non-Alumni	27,876	27,016	(3)	6,019,478	6,498,996	8	
Corporations	1,986	1,705	(14)	9,968,164	9,274,303	(7)	
Corporate Foundations	274	249	(9)	2,106,402	1,968,910	(7)	
Private Foundations	132	124	(6)	1,588,640	3,199,252	101	
Other	<u>744</u>	<u>748</u>	1	<u>1,901,773</u>	<u>2,553,336</u>	34	
UNIVERSITY DEVELOPMENT TOTALS	79,719	76,996		29,153,458	33,176,540	14	
Grants Received by Office of Sponsored Programs	<u> </u>	<u>481</u>		<u> </u>	<u>17,217,522</u>	-	
GRAND TOTAL (1985-86)		77,477			\$50,394,062		

FINAL REPORT

8/18/86

The Ohio State University Campaign
 Progress Report
 Through June 30, 1986

	<u>*Campaign Expectancies</u>	<u>Current Year Campaign Receipts (July-June 1985-86)</u>	<u>Previous Years Campaign Receipts (As of June 30, 1985)</u>	<u>Total</u>	<u>Campaign Goal</u>	<u>% Achieved</u>
Alumni	\$54,750,673	\$ 9,681,743	\$1,308,238	\$ 65,740,654	\$122,500,000	54
Friends	31,677,933	6,498,996	4,126,814	42,303,743	70,000,000	60
Corporations	8,267,985	13,796,549	2,133,306	24,197,840	122,500,000	20
Foundations	3,125,000	3,199,252	226,363	6,550,615	35,000,000	19
Grants Rec'd by Office of Sponsored Programs	<u> </u>	<u>17,217,522</u>	<u> </u>	<u>17,217,522</u>	<u> </u>	
Total	\$97,821,591	\$50,394,062	\$7,794,721	\$156,010,374	\$350,000,000	45

*Defined as pledges and deferred commitments less payments already received.

FINAL REPORT

October 2 and 3, 1986 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION

Report - August 1986

Federal Research Contracts/Grants

\$468,727.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, OSU Comprehensive Cancer Center Support (Core) Grant, Cancer Research Center (D. S. Yohn), 1 July 1986 through 29 September 1986. (Project 763976 - Continuation)

\$210,000.00 - Department of Agriculture, Cooperative State Research Service, Washington, DC, Fetal and Placental Nutrient Utilization and Porcine Neonatal Survival, Department of Animal Science - OARDC and Department of Animal Science (T. G. Ramsay), 15 September 1986 through 30 September 1989. (Project 765625 - New)

\$187,956.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, Population and Evolutionary Genetics of Organelles, Department of Genetics (C. W. Birky, Jr.), 1 September 1986 through 31 August 1987. (Project 764994 - Continuation)

\$163,868.00 - Department of Health and Human Services, Public Health Service, Alcohol, Drug Abuse, and Mental Health Administration, Rockville, MD, Personality, Psychological Stress, and Immunocompetence, Department of Medical Microbiology and Immunology (R. M. Glaser) and Department of Psychiatry (J. Kiecolt-Glaser), 1 September 1986 through 31 August 1987. (Project 764961 - Continuation)

\$163,769.00 - Department of Education, Office of Postsecondary Education, Washington, DC, Upward Bound Program, Office of Minority Affairs (J. Cruz), 1 September 1986 through 31 August 1987. (Project 765655 - Continuation)

\$150,000.00 - Department of Agriculture, Science and Education, Washington, DC, Regulation of Self-Incompatibility Gene Expression, Departments of Botany and Agronomy (T. L. Sims), 1 September 1986 through 31 August 1989. (Project 765654 - New)

\$149,524.00 - Department of the Army, Military Entrance Processing Command Stations, Fort Sheridan, IL, The ASVAB and Related Training of Test Specialists, The National Center for Research in Vocational Education (C. K. Hansen), 7 August 1986 through 31 October 1987. (Project 765626 - New)

\$148,558.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, Tumor-Localizing Boron Compounds for Chemoradiotherapy, College of Pharmacy (A. H. Soloway) and Department of Pathology (R. F. Barth), 1 September 1986 through 31 August 1987. (Project 765629 - New)

\$130,226.00 - National Science Foundation, Washington, DC, Bulk Material-Silo Interaction during Asymmetric Flow Initiation, Department of Civil Engineering (A. G. Bishara), 1 August 1986 through 31 July 1988. (Project 765647 - New)

October 2 and 3, 1986 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

\$130,000.00 - National Science Foundation, Washington, DC, Formation of Hybrid Natural Products by Interspecies Cloning of Streptomyces, Department of Chemistry (H. G. Floss) and Department of Microbiology (W. R. Strohl), 15 August 1986 through 31 July 1987. (Project 765635 - New)

\$128,759.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, Reduction of Doxorubicin Cardiotoxicity by ICRF-187, Department of Internal Medicine (D. V. Unverferth), 11 August 1986 through 31 July 1987. (Project 765637 - New)

\$117,707.00 - Department of Education, Office of Higher and Continuing Education, Washington, DC, National Resource Center for Slavic and East European Studies, International Studies and Department of Slavic and East European Languages and Literatures (L. I. Twarog), 15 August 1986 through 14 August 1987. (Project 765593 - Continuation)

\$116,346.00 - Department of Health and Human Services, Public Health Service, National Center for Nursing Research, Bethesda, MD, Aerobic Training Effects on Women with Breast Cancer, Department of Family and Community (M. G. MacVicar) and School of Health, Physical Education and Recreation (R. L. Bartels), 1 July 1986 through 30 June 1987. (Project 764204 - Continuation)

\$114,484.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, Aging and Income Security, Department of Economics, (D. O. Parsons), 1 August 1986 through 31 July 1987. (Project 764930 - Continuation)

\$111,657.00 - Department of Education, Office of Higher and Continuing Education, Washington, DC, National Resource Center - East Asia, International Studies and Department of Anthropology (C. M. Chen), 15 August 1986 through 14 August 1987. (Project 764877 - Continuation)

\$111,590.00 - Department of the Air Force, Research Projects Office, Washington, DC, Testing of Chamber Absorber Performance, Department of Electrical Engineering, ElectroScience Laboratory (J. D. Young), 7 July 1986 through 6 May 1987. (Project 765578 - New)

\$109,449.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, A 60 KD Oncofetal Protein Associated with Carcinogenesis, Department of Physiological Chemistry (T. E. Webb), 1 August 1986 through 31 July 1987. (Project 765588 - New)

\$109,352.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, Cardiopulmonary Actions - Trimetoquinol Analogs, College of Pharmacy (D. D. Miller), 1 September 1986 through 31 August 1987. (Project 761574 - Continuation)

\$108,721.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, Biogenesis of Mitochondria in Neurospora, Departments of Genetics and Biochemistry (A.

October 2 and 3, 1986 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

M. Lambowitz), 1 September 1986 through 31 August 1987. (Project 765538 - Continuation)

\$98,157.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, Studies on the Dextran Sucrase of *Streptococcus Sanguis*, Department of Chemistry (R. M. Mayer), 1 September 1986 through 31 August 1987. (Project 760160 - Continuation)

\$96,140.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, The Neural Control of Temperature Regulations, Department of Physiology (J. A. Boulant), 1 September 1986 through 31 August 1987. (Project 761187 - Continuation)

\$93,612.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, FelV Leukemogenesis and Preneoplastic Lesions, Department of Veterinary Pathobiology (R. G. Olsen), 1 July 1986 through 30 June 1987. (Project 762826 - Continuation)

\$92,693.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, Mechanisms of Hexose Epimerases and Oxidoreductases, Department of Chemistry (R. M. Mayer and H. G. Floss), 1 September 1986 through 31 August 1987. (Project 765015 - Continuation)

\$86,911.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, The Spectral Sensitivities of Turtle Photoreceptors, Department of Zoology (L. E. Lipetz), 1 September 1986 through 31 August 1987. (Project 762642 - Continuation)

\$85,133.00 - National Science Foundation, Washington, DC, Productive versus Nonproductive Binding Kinases, Department of Chemistry (M. D. Tsai), 1 September 1986 through 31 August 1987. (Project 765630 - New)

\$85,000.00 - Department of Agriculture, Science and Education, Washington, DC, Control of Insect Populations by Regulation of Dormancy, Department of Entomology (D. L. Denlinger), 1 September 1986 through 31 August 1988. (Project 765599 - Continuation)

\$84,144.00 - Department of Energy, Argonne, IL, Molecular Ferromagnetism, Department of Physics and Department of Chemistry (A. J. Epstein), 1 August 1986 through 31 July 1987. (Project 765592 - New)

\$83,649.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, Transfusion Medicine Academic Award NHLBI, Department of Pathology (M. S. Kennedy), 1 August 1986 through 31 July 1987. (Project 764898 - Continuation)

\$81,999.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, RNA Splicing in *Neurospora* Mitochondria, Departments of Genetics and Biochemistry (A. M. Lambowitz), 1 September 1986 through 31 March 1987. (Project 765596 - New)

October 2 and 3, 1986 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 - National Aeronautics and Space Administration, Lewis Research Center, Cleveland, OH, Engineering Calculations for Communications Satellite Systems Planning, Department of Electrical Engineering, ElectroScience Laboratory (E. K. Walton) and Department of Industrial and Systems Engineering (C. H. Reilly), 11 August 1986 through 11 February 1987. (Project 762552 - Continuation)

\$80,000.00 - National Science Foundation, Washington, DC, Lower Bounds in Parallel Computation, Department of Computer and Information Science (H. Yesha and M. Li), 1 July 1986 through 30 June 1988. (Project 765572 - New)

\$78,418.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, Excitatory Amino Acids in the Nucleus Accumbens, College of Pharmacy (N. J. Uretsky), 1 September 1986 through 31 August 1987. (Project 765017 - Continuation)

\$77,649.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, Collaborative Ocular Melanoma Study - Clinical Center, Department of Ophthalmology (F. H. Davidorf), 1 August 1986 through 31 July 1987. (Project 765050 - Continuation)

\$76,936.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, Adaptive Mechanisms of Accommodation and Convergence, College of Optometry (R. Jones), 1 September 1986 through 31 August 1987. (Project 765633 - New)

\$75,000.00 - National Science Foundation, Washington, DC, Natural Convection in Enclosures, Department of Mechanical Engineering (S. A. Korpela) and Department of Physics (C. D. Andereck), 1 August 1986 through 30 June 1988. (Project 765154 - Continuation)

\$74,704.00 - Department of Education, Office of Special Education, Washington, DC, In-service Training of Teachers on Communications Skills Training and Functionally-Referenced Curriculum to Benefit Severely Handicapped Students Including Deaf-Blind, Department of Human Services Education (T. Stephens), 1 September 1986 through 31 August 1987. (Project 765650 - New)

\$69,079.00 - National Science Foundation, Washington, DC, Holocene Paleoclimatic Reconstruction from Greenland Ice Cores, Institute of Polar Studies (E. Mosley-Thompson and L. G. Thompson), 15 August 1986 through 14 August 1987. (Project 765661 - New)

\$62,263.00 - Department of the Navy, Office of Naval Research, Arlington, VA, Processing of Archaeobacterial Intron-Containing tRNA Gene Transcripts, Department of Microbiology (C. J. Daniels), 1 August 1986 through 31 July 1987. (Project 765591 - New)

\$60,004.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, Parameter Identification of Human Postural Control, Department of Otolaryngology

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

(K. Barin), 1 September 1986 through 31 August 1987. (Project 764984 - Continuation)

\$57,268.00 - National Science Foundation, Washington, DC, Fluid Flow and Cleanliness of Steel in Continuous Casting Tundishes, Department of Metallurgical Engineering (H. Sahai), 1 July 1986 through 30 June 1987. (Project 765636 - New)

\$56,170.00 - Department of Energy, Washington, DC, Reduction of Pumping Energy Losses in District Heating and Cooling Systems, Department of Chemical Engineering (J. L. Zakin) and Department of Mechanical Engineering (R. N. Christensen), 1 September 1986 through 1 March 1988. (Project 765571 - New)

\$55,612.00 - Department of Education, Office of Higher and Continuing Education, Washington, DC, National Resource Fellowships, International Studies and Department of Slavic and East European Languages and Literatures (L. I. Twarog), 15 August 1986 through 14 August 1987. (Project 765593 - Continuation)

\$55,435.00 - Department of Agriculture, Cooperative State Research Service, Washington, DC, Differentiating the Corn Stunt and Maize Bushy Stunt Diseases in Latin America, Department of Plant Pathology - OARDC (D. T. Gordon), 1 August 1986 through 31 January 1988. (Project 765634 - New)

\$49,984.00 - Department of Agriculture, Forest Service, Broomall, PA, Juvenile Hormones and Hormone Regulators in the Development of the Gypsy Moth, Department of Entomology (D. L. Denlinger), 15 September 1986 through 14 September 1988. (Project 765658 - New)

\$45,140.00 - Department of Education, Office of Postsecondary Education, Washington, DC, Text Processing Strategies of Native, Nonnative Experienced and Nonnative Inexperienced Readers of Chinese and Japanese, Department of Educational Theory and Practice (E. B. Bernhardt), 1 September 1986 through 31 August 1987. (Project 765559 - New)

\$44,959.00 - Department of the Navy, Office of Naval Research, Arlington, VA, A Theoretical and Experimental Study of Weld Solidification under Transient Conditions, Department of Welding Engineering (W. A. Baeslack, III), 1 July 1986 through 31 December 1986. (Project 764095 - Continuation)

\$44,650.00 - Department of Agriculture, Cooperative State Research Service, Washington, DC, Genomic Probes for the Detection and Differentiation of Rotavirus Serogroups Infecting Swine, Department of Food Animal Health Research - OARDC (K. W. Theil), 1 September 1986 through 31 August 1988. (Project 765649 - New)

\$42,714.00 - Department of the Air Force, Air Force Systems Command, Bolling Air Force Base, DC, Strength and Structure of $GA_{1-x}In_x$ as Alloys, Department of Ceramic Engineering (K. T. Faber) and Department of Metallurgical Engineering (J. P. Hirth), 1 September 1986 through 31 August 1987. (Project 764977 - 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)

\$42,000.00 - National Science Foundation, Washington, DC, Tools for Stochastic Analysis of NP-Complete Problems, Academic Faculty of Management Sciences (W. T. Rhee), 1 August 1986 through 31 July 1988. (Project 765600 - New)

\$41,918.00 - National Science Foundation, Washington, DC, Specification and Estimation of Dynamic Stochastic Labor Force Participation and Search Models, Center for Human Resource Research (K. I. Wolpin), 1 August 1986 through 31 July 1987. (Project 764923 - Continuation)

\$35,856.00 - Department of Energy, Argonne, IL, Molecular Ferromagnetism, Departments of Physics and Chemistry (A. J. Epstein), 1 August 1986 through 31 July 1987. (Project 765592 - New)

\$34,974.00 - Department of Energy, Argonne, IL, Upgrade of The Ohio State University Nuclear Reactor Laboratory, Engineering Experiment Station (D. W. Miller) and Department of Mechanical Engineering (T. Aldemir), 1 August 1986 through 23 December 1988. (Project 764911 - Continuation)

\$33,352.00 - Department of Education, Office of Higher and Continuing Education, Washington, DC, Fellowships in East Asian Studies, Graduate School Administration (R. A. Koenigsknecht), International Studies (J. S. Adams) and Department of Anthropology (C. M. Chen), 15 August 1986 through 14 August 1987. (Project 764877 - Continuation)

\$31,000.00 - Department of Transportation, National Highway Traffic Safety Administration, East Liberty, OH, Unified Head Injury Theory, Department of Mechanical Engineering (R. L. Stalnaker), 1 July 1986 through 31 December 1986. (Project 764510 - Continuation)

\$30,800.00 - Department of Agriculture, Animal and Plant Health Inspection Service, Hyattsville, MD, Identifying Infectious Agents Associated with Neonatal Calf Enteric Disease from the NADDS, Department of Food Animal Health Research - OARDC (D. R. Redman, L. J. Saif and E. M. Kohler) and Department of Veterinary Preventive Medicine (G. Y. Miller), 3 July 1986 through 30 September 1986. (Project 765325 - New)

\$29,256.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, Multiple Comparisons with the Best Treatment, Department of Statistics (J. C. Hsu), 1 August 1986 through 31 July 1987. (Project 765581 - New)

\$27,922.00 - National Science Foundation, Washington, DC, Dielectric Degradation and Breakdown in Scaled Nitride/Oxide Insulating Films, Department of Electrical Engineering (S. B. Bibyk), 1 August 1986 through 31 July 1987. (Project 764702 - Continuation)

\$26,654.00 - Department of Health and Human Services, Public Health Service, Alcohol, Drug Abuse and Mental Health Administration, Rockville, MD, Minority Students in Community Mental Health, College of Social Work (M. Coleman), 1 July 1986 through 30 June 1987. (Project 764271 - 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)

\$24,320.00 - National Science Foundation, Washington, DC, Nestmate Recognition in Honey Bees, Department of Entomology (R. E. Page, Jr.), 1 August 1986 through 31 January 1989. (Project 765597 - New)

\$22,950.00 - Department of Education, Office of Higher and Continuing Education, Washington, DC, Foreign Language and Area Studies Fellowships Program Middle East Studies Program, Graduate School Administration (R. A. Koenigskecht), International Studies (J. S. Adams and A. Payind) and Department of History (S. Dale), 15 August 1986 through 14 August 1987. (Project 765628 - Continuation)

\$19,878.00 - Department of the Air Force, Wright-Patterson Air Force Base, OH, Theoretical Approach to Analysis and Design of Efficient Reduced-Controls for Space Structures, Department of Aeronautical and Astronautical Engineering (H. A. Oz), 15 July 1986 through 30 September 1986. (Project 765624 - New)

\$17,958.00 - Department of the Navy, Office of Naval Research, Washington, DC, Provide Wind Tunnel Testing, Data Acquisition and Data Processing for the AAED Canard/Control System Flutter Test, Department of Aeronautical and Astronautical Engineering (G. M. Gregorek), 9 July 1986 through 9 October 1986. (Project 765580 - New)

\$12,808.00 - National Science Foundation, Washington, DC, Three Phase Fluidization, Department of Chemical Engineering (L. S. Fan), 15 September 1986 through 28 February 1989. (Project 765656 - New)

\$9,750.00 - National Aeronautics and Space Administration, Marshall Space Flight Center, Marshall Space Flight Center, AL, Follow-up Support, Maintenance and Refinement for the MSFC Coaxial Welding Vision System, Department of Welding Engineering (R. W. Richardson), 1 July 1986 through 31 October 1986. (Project 763891 - Continuation)

\$1,138.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, General Clinical Research Center, College of Medicine - Administration (M. Tzagournis) and Department of Internal Medicine (W. B. Malarkey), 1 July 1986 through 30 November 1986. (Project 761196 - Continuation)

Computer Time - National Science Foundation, Washington, DC, Fluid Flow and Cleanliness of Steel in Continuous Casting Tundishes, Department of Metallurgical Engineering (Y. Sahai), 1 July 1986 through 30 June 1987. (Project 765636 - New) (Approximate Dollar Value - \$28,500)

TOTAL - FEDERAL AWARDS \$5,446,650.00

State of Ohio Research Contracts/Grants

\$125,000.00 - State of Ohio, Department of Development, Columbus, OH, Support for the Ohio Technology Transfer Organization (OTTO), Academic Affairs Administration (R. E. Bailey), 1 July 1986 through 30 June 1987. (Project 765536 - 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)

\$120,255.00 - State of Ohio, Bureau of Employment Services, Columbus, OH, A Follow-up Study of Factors Associated with Effective Delivery of Services to Dislocated Workers, The National Center for Research in Vocational Education (C. K. Hansen), 1 August 1986 through 31 July 1987. (Project 765632 - New)

\$83,000.00 - State of Ohio, Department of Development, Columbus, OH, Support for the Ohio Technology Transfer Organization (OTTO), Academic Affairs Administration (R. E. Bailey), 1 March 1986 through 30 June 1986. (Project 765259 - Continuation)

\$63,000.00 - State of Ohio, Industrial Commission of Ohio, Columbus, OH, Graduate Student Internships - Industrial Commission of Ohio, Department of Human Services Education (D. J. Tosi and P. S. Wise), 1 September 1986 through 30 June 1987. (Project 765660 - New)

\$17,763.00 - State of Ohio, Ohio Arts Council, Columbus, OH, OSU University Gallery Film and Video Series, University Art Galleries (J. W. Green), 1 July 1986 through 30 June 1987. (Project 765623 - New)

\$9,980.00 - State of Ohio, Department of Human Services, Columbus, OH, Development of Data Base to Assist in the Dispensing Fee Determination for Participating Pharmacy Providers in the Ohio Medicaid Program, College of Pharmacy (R. Segal and D. S. Pathak), 11 August 1986 through 31 October 1986. (Project 765631 - Continuation)

\$6,300.00 - State of Ohio, Ohio Arts Council, Columbus, OH, Festival of Cartoon Art, University Libraries (L. S. Caswell), 1 July 1986 through 31 December 1986. (Project 765594 - New)

\$4,867.00 - State of Ohio, Ohio Arts Council, Columbus, OH, Ohio Journal, Department of English (D. J. Citino), 1 August 1986 through 30 June 1987. (Project 765587 - New)

TOTAL - STATE OF OHIO AWARDS \$ 430,165.00

Industrial Research Contracts/Grants

\$31,563.00 - Science Applications International Corp., San Diego, CA, Support of Performance Assessment of Engineered Systems, Department of Mechanical Engineering (K. Vafai), 31 July 1986 through 30 September 1986. (Project 765550 - New)

\$26,844.00 - Defense Systems, Inc., McLean, VA, Content Analysis Applications to Foreign Intelligence Topics, Mershon Center for Education (M. G. Hermann), 1 August 1986 through 30 June 1987. (Project 765595 - Continuation)

\$20,540.00 - Eli Lilly and Company, Indianapolis, IN, Fluoxetine versus Placebo in Bulimia: Parallel Blind, Department of Psychiatry (K. N. Dixon and A. B. Levy), 1 February 1987 through 30 April 1987. (Project 765438 - Continuation)

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Industrial Research Contracts/Grants (contd)

\$20,000.00 - General Electric Company, Schnectady, NY, High Performance Ray Tracing Techniques, Department of Art Education (C. A. Csuri), 1 June 1986 through 31 December 1986. (Project 765584 - New)

\$17,000.00 - Pharmaceutical Research Institute, West Orange, NJ, Pharmacokinetics of Four Different Formulations of ORG 6370 in Normal Volunteers, Department of Pharmacology (N. Gerber), 1 October 1985 through 30 June 1986. (Project 764001 - Continuation)

\$15,000.00 - Brunswick Corporation, Marion, VA, Design for Dual Pass Hybrid Radome Wall, Department of Electrical Engineering, ElectroScience Laboratory (B. A. Munk), 9 June 1986 through 8 June 1987. (Project 765589 - New)

\$15,000.00 - Ortho Pharmaceutical, Raritan, NJ, Randomized Study to Evaluate the Safety and Efficacy of Ofloxacin versus Cephalexin in the Treatment of Skin, Skin Structure, and Soft Tissue Infections in Adults, Department of Internal Medicine (W. Maher and R. L. Perkins), 1 January 1986 through 31 December 1986. (Project 765652 - New)

\$12,613.00 - Chemex Pharmaceuticals, Inc., Princeton, NJ, Clonogenic Assay of CHX 100, CHX 001, and Various Combinations Using MG-1 Equine Sarcoid Cell Line, Department of Veterinary Pathobiology (G. C. Johnson), 1 August 1986 through 30 November 1986. (Project 765598 - New)

\$10,000.00 - Brunswick Corporation, Marion, VA, Design for Dual Band Hybrid Radome Wall - High Frequency, Department of Electrical Engineering, ElectroScience Laboratory (B. A. Munk), 9 June 1986 through 8 June 1987. (Project 765590 - New)

\$2,478.00 - Norwich-Eaton Pharmaceuticals, Inc., Norwich, NY, An Open-Label Study to Determine the Activity of Nitrofurantoin Repeat Action in the Treatment of Acute, Uncomplicated Urinary Tract Infections, Department of Internal Medicine (C. M. Kunin), 1 January 1985 through 30 June 1987. (Project 764645 - Continuation)

TOTAL - INDUSTRIAL AWARDS \$ 171,038.00

Other Non-Federal Research Contracts/Grants

\$84,612.00 - Indonesia Ministry of Education and Culture, Jakarta, Indonesia, Indonesian Visiting Scholar Program - Task Order B, College of Education - Administration (J. J. Buffer), 1 July 1986 through 31 December 1986. (Project 765362 - Continuation)

\$50,000.00 - Ohio University, Athens, OH, Analytical Systems for Evaluation of Transgenic Animal Performance, Department of Dairy Science - OARDC (F. L. Schanbacher), 1 July 1986 through 30 June 1987. (Project 765568 - New)

\$42,000.00 - Twenty-One Members of the National Postsecondary Alliance, National Postsecondary Alliance, The National Center for Research in Vocational Education (C. K. Hansen), 1 July 1986 through 30 June 1987. (Project 765434 - Continuation)

October 2 and 3, 1986 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)

\$37,657.00 - Pennsylvania State Department of Education, Harrisburg, PA, Consortium for the Development of Professional Materials for Vocational Education - Pennsylvania, The National Center for Research in Vocational Education (C. K. Hansen), 1 July 1986 through 30 June 1987. (Project 765586 - Continuation)

\$36,399.00 - Battelle Memorial Institute, Columbus, OH, Chronic Toxicity Tests of Sodium Fluoride (Histopathology of Teeth and Bones), Department of Veterinary Pathobiology (S. E. Weisbrode), 1 October 1985 through 14 May 1987. (Project 765113 - Continuation)

\$25,000.00 - March of Dimes Birth Defects Foundation, White Plains, NY, Deletions in the Human Alpha- and Beta-Globin Gene Clusters, Department of Biochemistry (E. F. Vanin), 1 September 1986 through 31 August 1987. (Project 764942 - Continuation)

\$25,000.00 - March of Dimes Birth Defects Foundation, White Plains, NY, Isoactin Regulation in Vascular Smooth Muscle Cell Differentiation, Department of Anatomy (A. R. Strauch), 1 September 1986 through 31 August 1987. (Project 764958 - Continuation)

\$21,333.00 - Columbus Human Services Department, Columbus, OH, The Columbus Neighborhood Technical Assistance Program, Department of City and Regional Planning (S. I. Gordon), 1 October 1986 through 31 December 1986. (Project 765648 - Continuation)

\$20,000.00 - American Parkinson Disease Association, New York, NY, Potential Experimental Therapies to Modify the Course of Parkinson's Association, Department of Pharmacology (M. H. Neff), 1 July 1986 through 30 June 1987. (Project 765585 - New)

\$20,000.00 - Columbus Zoo, Powell, OH, Cooperative Research Program, - The Columbus Zoo and The Ohio State University, Department of Zoology (J. Bart and J. D. Harder), Department of Veterinary Pathobiology (J. R. Blakeslee, R. P. Herd and M. J. Tarr) and Department of Veterinary Clinical Sciences (H. M. Gardner), 1 July 1986 through 30 June 1987. (Project 765583 - New)

\$15,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, OH, Labeled Fatty Acids for Measurement of Cardiac Metabolism, Department of Radiology (P. B. Shaffer and J. O. Olsen), Department of Internal Medicine (P. F. Binkley) and University Hospitals (G. Hinkle), 1 July 1986 through 30 June 1987. (Project 765627 - New)

\$14,375.00 - Council on International Educational Exchange, New York, NY, Intensive English in the U.S.A. for Japanese Teachers of English, International Affairs (F. M. Firebaugh), 1 April 1986 through 31 December 1986. (Project 765247 - Continuation)

\$12,204.00 - Ohio Dominican College, Columbus, OH, Student Personnel in Higher Education, Department of Educational Policy and Leadership (R. F. Rodgers), 1 September 1986 through 31 May 1987. (Project 765601 - Continuation)

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Other Non-Federal Research Contracts/Grants (contd)

\$10,400.00 - University of Pittsburgh, Pittsburgh, PA, NSABP Colo-Rectal Protocols, Department of Surgery (W. B. Farrar), 1 February 1986 through 31 January 1987. (Project 763581 - Continuation)

\$10,000.00 - California Department of Vocational Education, Sacramento, CA; Kentucky Department of Vocational Education, Frankfort, KY; Minnesota State Board of Education, St. Paul, MN; Nebraska Commission for Vocational Education, Lincoln, NE; and Tennessee Division of Vocational Education, Nashville, TN, National Entrepreneurship Education Consortium, The National Center for Research in Vocational Education (C. K. Hansen), 1 July 1986 through 30 June 1987. (Project 765533 - Continuation)

\$6,820.00 - Children's Hospital Research Foundation, Columbus, OH, Vasoactive Intestinal Peptide in Diagnosis of Leukemia, Department of Internal Medicine (T. M. O'Dorisio), 1 July 1986 through 30 June 1987. (Project 765296 - Continuation)

\$4,000.00 - National Kidney Foundation of Central Ohio, Inc., Columbus, OH, Expression of Activation Antigens on Lymphocyte Subsets and Their Response to Cyclosporine, Department of Pathology (D. D. Sedmak and J. C. Neff), 1 July 1986 through 30 June 1987. (Project 765641 - New)

\$4,000.00 - National Kidney Foundation of Central Ohio, Inc., Columbus, OH, Osmoprotective Substances in the Kidney, Department of Internal Medicine (C. M. Kunin), 1 July 1986 through 30 June 1987. (Project 765554 - New)

\$3,000.00 - Electric Power Research Institute, Palo Alto, CA, Causes and Corrective Actions for Pitting in Steam Generator Tubing, Department of Metallurgical Engineering (S. S. Smialowska), 24 May 1983 through 30 September 1986. (Project 763582 - Continuation)

\$3,000.00 - State of Ohio, Department of Rehabilitation and Correction, Columbus, OH, National Corrections Education Consortium, The National Center for Research in Vocational Education (C. K. Hansen), 1 January 1986 through 31 December 1986. (Project 765109 - Continuation)

\$2,500.00 - American Dietetic Association Foundation, Chicago, IL, Bone Density in Subjects with Insulin Dependent Diabetes, Department of Internal Medicine (T. M. O'Dorisio, S. Cataland and B. Bossetti), 1 July 1986 through 30 June 1987. (Project 765640 - New)

\$2,500.00 - Georgia Department of Education, Atlanta, GA, National Career Guidance Consortium, The National Center for Research in Vocational Education (C. K. Hansen), 1 July 1986 through 30 June 1987. (Project 765651 - Continuation)

\$2,226.00 - Franklin County Mental Retardation and Developmental Disabilities Board, Columbus, OH, Preschool to School Transition Project for Children with Special Needs, Nisonger Center (V. L. Reynolds), 1 February 1986 through 31 January 1987. (Project 765426 - New)

\$2,022.00 - St. Louis Community College, St. Louis, MO, National Postsecondary Alliance, The National Center for Research in Vocational

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Other Non-Federal Research Contracts/Grants (contd)

Education (C. K. Hansen), 1 July 1986 through 30 June 1987. (Project 765434 - Continuation)

\$1,999.00 - The Children's Hospital Foundation, Columbus, OH, CRYO-ROP Multi-Center Study, Department of Ophthalmology (D. L. Bremer), 1 June 1986 through 31 May 1987. (Project 765638 - New)

\$874.00 - Franklin County Mental Retardation and Developmental Disabilities Board, Columbus, OH, Early Childhood Classes, Nisonger Center (V. L. Reynolds), 1 October 1985 through 30 September 1986. (Project 764928 - Continuation)

\$126.00 - Cancer Therapy and Research Foundation, San Antonio, TX, Multidisciplinary Participation in the Cancer Control Activities of the Southwest Oncology Group, Department of Internal Medicine (S. P. Balcerzak), 1 February 1985 through 30 June 1987. (Project 765208 - Continuation)

TOTAL - OTHER NON-FEDERAL AWARDS \$ 457,047.00

ENGINEERING EXPERIMENT STATION

Industrial and Other Sponsored Research and Development

\$299,990.00 - EPRI, Palo Alto, CA, "HVDC Converter Station Electromagnetic Noise Study," Department of Electrical Engineering, 4 August 1986 through 30 September 1987. (529714)

\$117,958.00 - Alcoa Laboratories, Alcoa Center, PA, "Improving the Corrosion Performance of Gr/Al and Gr/Mg Metal Matrix Composites by Electrochemical Engineering," Department of Metallurgical Engineering, 18 August 1986 through 17 August 1988. (529715)

\$34,353.00 - from 15 sponsors of 20 development projects under the direction of two engineering departments or research areas.

\$5,735.00 - Assurance Technical Services, Inc., Columbus, OH, "Study on Performance of High Efficiency Steam Turbine," Department of Mechanical Engineering, 10 July 1986 through 30 September 1986. (312883)

TOTAL - INDUSTRIAL AND OTHER SPONSORED RESEARCH \$ 458,036.00

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND

Establishment of Named Funds

The A. Merle and Pearl (Gray) Hamilton Scholarship Fund

The A. Merle and Pearl (Gray) Hamilton Scholarship Fund was established October 3, 1986, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from A. Merle Hamilton, B.A., Arts and Sciences '29, and Peg (Pearl Gray) Hamilton, B.A., Arts and Sciences '28, of Marion, Ohio.

October 2 and 3, 1986 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 A. Merle and Pearl (Gray) Hamilton 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.

Twenty percent (20%) of the annual income shall be added to the fund's principal. The remaining eighty percent (80%) of the annual income shall be used to provide scholarship assistance to qualified students from Marion County who enroll at The Ohio State University, Marion Campus. One or more scholarships shall be awarded each year to students, giving preference to those who have declared agriculture, medicine, engineering, or one of the arts as their major course of study. The scholarship awards will be made to students who have demonstrated (1) financial need, or (2) a high degree of academic potential, or (3) scholastic ability. Should income from this fund not be awarded in any given year, then the income is to be added to the fund's principal. Selection of the scholarship recipients will be made by the University Committee on Student Financial Aid upon recommendation of the Dean and Director of The Ohio State University at Marion.

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 student scholarship awards to students attending The Ohio State University from Marion County, Ohio.

Carl F. and Marjorie Cottingham Obenauf
Agricultural Merit Scholarship

The Carl F. and Marjorie Cottingham Obenauf Agricultural Merit Scholarship was established October 3, 1986, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from Carl F. Obenauf, B.S.Agr. '43, and Marjorie Cottingham Obenauf, B.A., Arts and Sciences '43.

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 shall be used to provide one or more agricultural merit scholarships for undergraduate students, who are United States citizens, and who intend to major in the food sciences in the College of Agriculture, including the Department of Food Science and Nutrition and programs in Food Technology. The criteria for selection shall include outstanding scholastic achievement and demonstrated leadership potential through extracurricular activities. Selections shall be made by the Assistant Dean for the College of Agriculture in consultation with the University Committee on Student Financial Aid.

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

Establishment of Named Funds (contd)

Carl F. and Marjorie Cottingham Obenauf
Agricultural Merit 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 the recommendations from the appropriate administrative official of the University who is then directly responsible for the College of Agriculture.

Holmes County 4-H Endowment Fund

The Holmes County 4-H Endowment Fund was established October 3, 1986, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from the Holmes County 4-H Committee and other friends of the Holmes County 4-H 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 annual income shall be used to support the Holmes County 4-H program. This support may include, but is not limited to the funding of scholarships and awards for 4-H members, volunteer leaders and friends of 4-H; sponsoring seminars and supplementing 4-H programming, or increasing the visibility and public support for 4-H in Holmes County. All expenditures from this fund shall be approved by the Holmes County 4-H 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 the Ohio Cooperative Extension Service in consultation with a committee representing the local 4-H donors.

The Ashley Brittany Calhoon (ABC) 4-H
Leadership/Scholarship Fund

The Ashley Brittany Calhoon (ABC) 4-H Leadership/Scholarship Fund was established October 3, 1986, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from Thomas Franklin Calhoon II, (B.A., Social and Behavioral Sciences '71), a long-time member of the Ohio 4-H Foundation Board of Directors, and Donnette Calhoon, (B.S.Ed. '72), Columbus, Ohio. This gift is presented in honor of the first birthday (September 3, 1986) of the first grandchild (Brittany) of Gloria J. Wensing and in honor of the seven grandchildren of J. Thomas Calhoon (Ohio State University 1948-52) and Sarah Mae Calhoon: (Benjamin Samuel, Joshua Thomas, Brian Thomas, Sarah

October 2 and 3, 1986 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 Ashley Brittany Calhoon (ABC) 4-H
Leadership/Scholarship Fund (contd)

Christina, Katherine Lindsey, Cara Christine, and Ashley Brittany Calhoon).

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.

Eighty percent (80%) of the annual income shall provide scholarship(s) for students who have been active in the 4-H program and are now attending or have been accepted for enrollment at The Ohio State University. Twenty percent (20%) of the income shall be added to the fund's principal. Criteria for the scholarship shall include demonstrated leadership and above-average scholastic performance with preference given to those applicants from Franklin County. Selections shall be made by a committee appointed by the State 4-H Office in consultation with the University Committee on Student Financial Aid. If at all possible, at least one Calhoon Family member shall serve on the committee appointed by the State 4-H Office.

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 4-H programs.

The William J. Tyznik Equine Research Fund

The William J. Tyznik Equine Research Fund was established October 3, 1986, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from Professor William J. Tyznik.

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 shall be used to support research and equine nutrition as determined by a committee of no less than three faculty members. Recommendations of the committee shall be approved by the Department Chair. Should the need for Equine Research Support cease to exist or so diminish as to provide unused income, then the income shall be used to fund the William J. Tyznik Scholarship in Animal Science.

Should the need for the purposes described above 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

October 2 and 3, 1986 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. Tyznik Equine Research Fund (contd)

administrative official of the University who is then directly responsible for agricultural research.

Change of Name and Description of Named Fund

Allen County Ohio State University Alumni Club -
Ohio State University at Lima Scholarship Endowment Fund

The Allen County Ohio State University Association - The Ohio State University at Lima Scholarship Endowment Fund was established July 11, 1986, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from the Allen County Ohio State University Alumni Club. The name and description were changed October 3, 1986.

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 shall be used to provide one or more scholarships to students of academic merit who reside in Allen County and attend The Ohio State University at Lima. Selection of the recipient(s) shall be made by the Dean and Director of The Ohio State University at Lima with recommendations by the Financial Aids Officer and the Allen County Ohio State University Alumni Club 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 The Ohio State University at Lima.

Change in Description of Named Fund

Ohio Staters, Inc.,
Outdoor Performance Center Endowment Fund

The Ohio Staters, Inc., Outdoor Performance Center Endowment Fund was established December 14, 1984, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from members, alumni, and friends of Ohio Staters, Inc. The description was changed October 3, 1986.

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 2 and 3, 1986 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)

Ohio Staters, Inc.,
Outdoor Performance Center Endowment Fund (contd)

The annual income and additional gifts shall be added to the principal for the purpose of establishing the Outdoor Performance Center at the Browning Amphitheatre in Mirror Lake Hollow, which shall be dedicated to the University on the 50th Anniversary of the incorporation of Ohio Staters, Inc.

Principal as well as income of the Endowment Fund may be expended for any one or more of the following purposes: (1) Planning, construction and maintenance of the Outdoor Performance Center and any additions and modifications thereto; and (2) Fund raising expenses for the purpose of supplementing the Endowment Fund.

Approval of all expenditures from the Endowment Fund shall be made by the affirmative vote of a majority of the Ohio Staters, Inc., Alumni Council, consisting of the President and Faculty Treasurer of Ohio Staters, Inc.; the Director of Alumni Affairs and the two co-chairmen of the 50th Anniversary Committee. Should either of the co-chairmen of the 50th Anniversary Committee resign, die or become permanently unable to serve, a replacement (who shall be a former member of Ohio Staters, Inc.) shall be appointed by vote of the remaining members of the Council.

Should the need for this fund cease to exist or should the Ohio Staters, Inc., Alumni Council cease to exist, the principal and income may be used as determined by the Board of Trustees for purposes consistent with the traditional projects of Ohio Staters, Inc., that have been of service to the University. In making such a determination, and if the Ohio Staters, Inc., Alumni Council is then in existence, the Board of Trustees shall give preference to such projects as shall be recommended to it for such purposes by such Council.

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ACQUISITION OF SUPERCOMPUTER

Resolution No. 87-38

Synopsis: Authorization to enter into agreements, without competitive bidding, to acquire supercomputing capability, is requested.

WHEREAS The Ohio State University has outstanding and nationally recognized computer-related research and teaching programs; and

WHEREAS to retain the competitive position of these programs and to enhance the quality and opportunities of research at the University, as well as at other colleges and universities throughout the state, there is a need for direct access to state-of-the-art supercomputers and for computer networking capabilities; and

WHEREAS the Board of Regents has approved a plan to establish an Ohio Supercomputer Center to be located at The Ohio State University; and

October 2 and 3, 1986 meeting, Board of Trustees

ACQUISITION OF SUPERCOMPUTER (contd)

WHEREAS the University's ad hoc committee on supercomputing, appointed by the Vice President for Research and Graduate Studies, has recommended that, based on performance and other technical considerations, a supercomputer developed by Cray Research, Inc., will best meet the supercomputing needs of the University and the State of Ohio; and

WHEREAS the appropriate University offices are in agreement as to the desirability of the acquisition and financing of supercomputing equipment developed by Cray Research, Inc., for this purpose and have determined that sufficient funds are available for this project:

NOW THEREFORE

BE IT RESOLVED, That the President and/or Vice President for Business and Administration, in consultation with the Vice President for Research and Graduate Studies, be authorized to negotiate the terms of, and to enter into, without competitive bidding, such agreements, including purchase agreements, as are necessary or desirable to acquire, finance, install, equip, maintain, operate, and up-date interim current-generation and subsequent new-generation supercomputing equipment developed by or for use with Cray Research, Inc., supercomputing equipment.

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

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**UNIVERSITY MEMBERSHIP IN
UNIVERSITY HOSPITAL CONSORTIUM, INC.**

Resolution No. 87-39

Synopsis: Authorization to become a member of the University Hospital Consortium, Inc., and to participate in joint purchasing activities is requested.

WHEREAS the University Hospital Consortium, Inc., is a nonprofit corporation organized and operated under the laws of the State of Minnesota and has no capital stock, and membership is limited to nonprofit entities which own or lease at least one nonprofit teaching hospital; and

WHEREAS the purpose of the corporation includes the development of high quality health care and efficient, effective, and economical operations and delivery of health care services at teaching hospitals; and

WHEREAS the University Hospital Consortium, Inc., owns all of the issued and outstanding capital stock of, and has assigned its interest in joint purchasing activities to, a Delaware corporation, University Hospital Consortium Services Corporation; and

WHEREAS The Ohio State University, on behalf of University Hospitals, wishes to become a member of this nonprofit corporation and to participate in these joint purchasing activities; and

WHEREAS the appropriate University offices and the University Hospitals Board have determined that participation in this Consortium is in the

October 2 and 3, 1986 meeting, Board of Trustees

**UNIVERSITY MEMBERSHIP IN
UNIVERSITY HOSPITAL CONSORTIUM, INC. (contd)**

best interest of the University; and

WHEREAS at their September 25, 1986 meeting, the University Hospitals Board voted to approve this recommendation:

NOW THEREFORE

BE IT RESOLVED, That the President and/or Vice President for Business and Administration be authorized, on behalf of the University, to join the University Hospital Consortium, Inc., upon such terms and conditions as are in the best interest of the University, and that, in accordance with the University's Purchasing Policy, the University be permitted to participate in joint purchasing activities through this Consortium.

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

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REPORT - UNIVERSITY'S INVESTMENT PORTFOLIO

Resolution No. 87-40

RESOLVED, That the report on the University's Investment Portfolio, dated September 19, 1986, 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, November 6, 1986, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, at 6:30 p.m.

Attest:

Madison H. Scott
Secretary

Daniel M. Galbreath
Chairman

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THE OHIO STATE UNIVERSITY
OFFICIAL PROCEEDINGS OF THE
ONE THOUSAND TWO HUNDRED AND TWENTY-FIFTH MEETING
OF THE BOARD OF TRUSTEES

Columbus, Ohio, November 7, 1986

The Board of Trustees met at its regular monthly meeting on Friday, November 7 1986, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, pursuant to adjournment.

* * *
Minutes of the last meeting were approved.
* * *

November 7, 1986 meeting, Board of Trustees

The Chairman, Mr. Galbreath, called the meeting of the Board of Trustees to order on November 7, 1986, at 10:30 a.m. He requested the Secretary to call the roll.

Present: Daniel M. Galbreath, Chairman, Edmund C. Redman, John W. Berry, Shirley D. Bowser, Hamilton J. Teaford, John J. Barone, and John W. Kessler.

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Mr. Galbreath made the following comments:

Mr. President, before I ask you for your presentation, I would like to make a couple of comments. One, I don't know how many people in the room noticed that our Seal has been changed -- "1870." That is well done, whoever pulled that one off.

President Jennings:

Dan Heinlen.

Mr. Galbreath:

Secondly, I would like for my colleagues to understand that Debbie Casto will away from our Board for a couple of months, due to some surgery that she is dealing with. Scottie, I would like to ask if you would keep us up-to-date on that. When she does have surgery, let us know and then maybe get an address where we can drop her a note. Will you do that for us?

Mr. Scott:

I certainly will, Sir.

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ENROLLMENT - AUTUMN QUARTER 1986

Mr. Galbreath:

President Jennings will you report to us on the Autumn Quarter enrollment.

President Jennings:

Thank you, Mr. Chairman. I would like to call on Mr. Ihrig to bring us up-to-date on the Autumn Quarter enrollment.

Mr. Ihrig:

Thank you. Earlier in the Fiscal Affairs Committee, Mr. Teaford commented on our excellent projections on the budget through the first quarter. Now we will go the other direction and have to admit how lousily we project on enrollment. A perfect example of having an infinite amount of data, but the actual facts and knowing what we are doing are very difficult to find.

The enrollment for the entire University for the Autumn Quarter 1986 is 58,838 students. That is 1,113 students more than it was a year ago. The Columbus campus is 53,880 students, which

November 7, 1986 meeting, Board of Trustees

ENROLLMENT - AUTUMN QUARTER 1986 (contd)

Mr. Ihrig: (contd)

instead of being one fewer student than we had a year ago, as our target indicated, we have actually 681 students more than a year ago on the Columbus campus. The other good news is that the regional campuses are up significantly this year: Lima is up to 1,154, that is an increase of 76; Mansfield is up to 1,141, an increase of 66; Marion is up to 983, an increase of 140 -- that is over a 16 percent increase. Similarly, Newark is up to 1,122, a 162 student increase, about a 17 percent increase; and Wooster is at approximately the same level as last year, 390, that is 7 fewer than the 397 a year ago. So the regional campuses are very strong and the enrollments around the State reflected that. The branch campuses at all the institutions had the largest increase in the preliminary Regents' data that they put out in October. The universities around the State were the other high increase this year.

If you turn to the second page of the separate handout on Enrollment, Table 2, the new first quarter freshmen number shows that we have one more entering freshmen than a year ago -- 6,863, and we had one fewer last year. If you remember correctly when we came to this Board last November, we had the problem with the large number of admission applications in the freshmen area. We had over 17,000 applications for admission. We projected at that time, with the mid-November cut-off, that we would have 7,500 new entering freshmen this year. Well, our projections are so great that we are right at last year's level. A lot of this has to do with the rapid influx of applications and having a calendar-type cut-off. As we add more applications, all of the various trends of the past have just been depleted. From the standpoint of admissions to applications, we had over a three percent drop in retention. Even acceptance fees paid had a two percent drop in one year, over the number of students who actually enrolled. So while we projected a significant increase in the freshman class, we remained at last year's level.

The other good news is that the retention in the University continues to increase, especially at the upper-division levels. The continuing students increased by three percent over last year. The other great news is that in the Graduate School we had an increase of 659 students. We went over 10,000, to 10,203 on the Columbus campus. That was due to a combination of new graduate students, plus the retention of graduate students. And as we are looking at graduate and upper-division education emphasis with our enrollment models, this is indeed very good news. The professional enrollments stayed approximately the same, as we expected.

Now while we have had these significant increases in actual numbers of students, the key question is what it does to our enrollment limitation and the subsidy. We think the subsidy, again, by the mix of students and the credit hours will come out to about where we projected dollar-wise. On the overenrollment figure, while the final data are not in with regard to that -- I am going to estimate again and I'll probably come back in December and change this number, but I think I'm close this time

November 7, 1986 meeting, Board of Trustees

ENROLLMENT - AUTUMN QUARTER 1986 (contd)

Mr. Ihrig: (contd)

-- that we are looking at an overenrollment of 749 students, compared to 890 last year. So the interesting trend on this is that we have over 600 more students than we projected in our model. At the same time, we projected that we would be overenrolled by about 1300 this year and we are actually going to be overenrolled by half that, 749. Now, what that means is that there are fewer credit hours being taken by the students and our data shows -- if you turn back three pages to Table 5, you see full-time equivalents. You get that by taking the total credit hours enrolled by the students and dividing by 15, as an overall full-time equivalent estimate. We are showing on the Columbus campus that while head counts went up by over 600, FTE actually went down by 368. So we are having more students that are taking a lower load. A significant part of this is an increase in the numbers of part-time students in the undergraduate and graduate levels in this Institution. While the data aren't there, the part-time students and the undergraduates on the Columbus campus increased by 750 this year, and the graduate part-time enrollments increased by 706.

Mr. Galbreath:

Does that mean that a lot of the students now are working their way through school?

Mr. Ihrig:

Right. These students are usually holding full-time jobs elsewhere and come to Campus to take one or two courses a quarter.

Mr. Galbreath:

At the undergraduate level?

Mr. Ihrig:

Both undergraduate and graduate. People from around the Campus are indicating that there are more working students on the Campus. I have my own personal -- what I call the "freeway theory" -- and that is based upon the number of cars early in the morning on the freeway. There are more people in the Central Ohio area, therefore there are more people wanting to get an advanced education. And we have heard from comments around the University, that there are students on this Campus that see where they are in their careers, they have made a decision that they need more education to advance their careers, and they are coming back for that.

President Jennings:

That is part of becoming a big city.

Mr. Galbreath:

Is this any reflection on the selective enrollment policy which

November 7, 1986 meeting, Board of Trustees

ENROLLMENT - AUTUMN QUARTER 1986 (contd)

Mr. Galbreath: (contd)

we adopted earlier this year?

Mr. Ihrig:

No.

President Jennings:

Let me bring that up. This, of course, is the last enrollment report on the so called historic open-admissions. The enrollment report will undoubtedly be extraordinarily different next year, because our projection models -- as bad as they are today -- all go out the window for next year, because of this brand new admissions policy at The Ohio State University. While we can draw on experience of other universities, we can draw on experience of some of the norms in higher education, the reality is that in establishing our numbers and our policies for next year, we will be using statistics that we have very little history for at Ohio State. So that next year, I would expect that we are going to be plus or minus some larger numbers than we are this year.

Mr. Teaford:

No confidence?

President Jennings:

I have great confidence, but they don't have any numbers. They are, for example, dealing with a statistic that says that 52 percent of the applications that we accept will come to Ohio State. Well, that is a historic number at other institutions, it has some history here, but doesn't really have any empirical basis that we know of. So if the number is higher, we are going to get more students than we can handle. If the number is lower, we will get fewer students. I expect that it is going to take several years to get fairly good statistics with this new admissions policy. The point is we are going to be flying blind in terms of numbers for the next two or three years.

Mr. Galbreath:

But you don't think that anticipation of the different enrollment policy for next year is one of the reasons that you have had a little bit of a surge this year?

President Jennings:

No, I don't think so.

Mr. Ihrig:

No. This year the surge in applications was due to our continually moving forward the deadline date for applying. The students understand that Ohio State is going to close earlier every year; therefore, they rush their applications in. They

November 7, 1986 meeting, Board of Trustees

ENROLLMENT - AUTUMN QUARTER 1986 (contd)

Mr. Ihrig: (contd)

are what I would call "phantom applications," where they just want to make sure they had their foot in the door in case some other opportunities don't come through.

President Jennings:

That is one of the problems with this. What we are dealing with here are numbers that decisions were made on back in November of 1985. This was six months before we announced the selective admissions -- one reason we have gone to selective admissions. The other problem that I'd like Myles Brand, our Provost, to discuss a bit is in the minority area. As you know, it is our feeling that our open-admissions policies of times gone by have been one of the causes of our continued low numbers of minorities coming into this Institution. When we close off enrollment in November, it is very difficult for the first generation educated person to get the proper parental guidance, the proper guidance counseling, to apply that early. We expect our new selective admissions policies to make some substantial improvements in our minority population at Ohio State. I'd like Myles to take a minute or two to bring us up-to-date on what we are doing in order to improve that situation.

Dr. Brand:

Thank you. Over the last decade or so, there has been nationally a decrease in the number of black students attending universities and colleges. There is, therefore, a decreasing pool of black students available to Ohio State University as well as other institutions. That, combined with the fact that we have a new admission policy that enables students to apply later in the year and allows us to recruit and attract them for a longer period of time, presents new opportunities. We thought a new initiative in trying to attract black students to The Ohio State University was necessary. We created a task force on Black Student Recruitment, whose goal is to identify and recruit qualified black students. We are concerned with that population that has the best opportunity to be retained and exit from our programs. It doesn't do anyone any good to come in and then drop out. So, we are looking for qualified students that we can bring through the entire four-year process.

This task force has a short-term goal of bringing the opportunities presented by the new selective admissions policies to the attention of the communities; and a long-term goal of providing recruitment strategies to attract qualified black students. The task force is advisory to the Office of Minority Affairs. At this time, I would like to call on Sue Blanshan, who is the administrative facilitator for this task force, as well as Professor William Moore, who is the chairperson of the force.

Professor Moore:

Good morning, Mr. President, Mr. Chairman, and others. Let me give you about two minutes of background. Three weeks ago or

November 7, 1986 meeting, Board of Trustees

ENROLLMENT - AUTUMN QUARTER 1986 (contd)

Professor Moore: (contd)

so, I was in San Antonio, and received an urgent phone call. I couldn't imagine what had happened. I thought I left everything in order when I left my office. Well, to make a long story short, I spoke to Sue, who indicated that Dr. Brand was interested in establishing a task force on enrollment, particularly targeted for black students. As you know, with regard to minority students, the other areas of minority students are increasing -- some greatly, some slightly, but increasing. And for about the last ten years, almost ten years now, the number of black students enrolled in colleges and universities in this country has been decreasing. So that was the concern.

Ohio State has a long history of being involved with black students. You have heard the President mention many times about our success in graduate education and the number of Ph.D.'s that we turn out and so on, but that really didn't do a great deal for the students coming in now. He felt, I felt, and I'm really interested in this area of how do you reach students before the graduate-level. By the time they reach there they are on their own, they can do what they need to do. How do you go out and find other students? To his great credit, he chose a very interesting group of people to work with us. Across this State he found important persons: Judge Robert Duncan, Bob Dorsey, William Grimes, and Archie Griffin. That gives you some idea of the spread of people who work on this committee, whose job it is to come up with both long-range and short-range plans and strategies to attract black students, particularly, at the freshman level.

I enjoy working with this group of people, not only are they distinguished but they have to at least operate in self-defense. Because the first thing I said was that I expected to meet on Saturdays and Sundays. They didn't smile upon that, so we agreed to meet at 7:00 or 7:30 a.m. By the second meeting we had our subcommittees working. These are quite professional people, they are hard workers, they are eager, and we are well on the move. The word has gotten out across the community and I am getting telephone calls from other people who have some concern in being involved in this initiative. Some are doing it in other ways -- in many different ways.

In the three weeks that we have been involved, Frank Hale has come in and made a presentation to us about his initiatives and the kinds of things that he is doing. We have had presentations from members of the subcommittees already and we expect to have another one on Tuesday and so on. We are eager to move and there are many ideas. We are getting considerable assistance from the Provost's Office. He has said the resources are there, as long as we are reasonable. Well, we are going to challenge him to see if he really means what he says. At this juncture, we are moving. We are satisfied with the people that we have and we hope we have continued cooperation. If you have any questions, I am here to act, react and interact with you.

November 7, 1986 meeting, Board of Trustees

ENROLLMENT - AUTUMN QUARTER 1986 (contd)

Mrs. Bowser:

Are you recruiting only in the State of Ohio?

Professor Moore:

Our primary target is the State of Ohio, but this question has come up. We have brought it to the attention of the Provost and he indicates while we are most concerned with the State of Ohio, that does not preclude spreading the net wider. As you know, it is a very real problem in finding a large -- well there is no large pool. That there is a pool of minorities and we have to compete for them, it becomes a little problematic. We are competing for those that we hope will make it. I said to Dr. Brand, if you are looking for bodies I am not the guy to be involved with this. I just refuse to do that. I went through that for 10 or 15 years between 1960 and 1975. But if we are really looking for students that we believe are going to make it then --

Mr. Galbreath:

You say compete, who are we competing with?

Professor Moore:

Well, for those very bright students, we are competing with everyone. We are competing primarily with the top Eastern schools. And we are competing with the Adams states, that is, those states that were under litigation for integration. Now, we happen to be an Adams state at this time, but a package that they provide in the Adams states and the packages that are provided by the Eastern schools at this juncture are larger packages than we provide.

Mr. Galbreath:

So when you say competing, we are competing with other institutions, not with the job market.

Professor Moore:

Well, we are competing with both, really, but certainly more with other institutions than with the job market for freshmen. Remember, we are talking about freshmen students, very bright students, and so on. We really have a job ahead of us, because we would like to identify and attract some 700 students by next fall.

Mr. Galbreath:

What I was trying to distinguish is that we're -- it is not a matter of convincing them to go to college, as opposed to go to work, you are trying --

Professor Moore:

Not this particular group of students.

November 7, 1986 meeting, Board of Trustees

ENROLLMENT - AUTUMN QUARTER 1986 (contd)

Mr. Galbreath:

You're really competing with the other institutions.

Professor Moore:

Yes.

Mr. Teaford:

I take it do we have a program to increase that pool -- to recognize that as a long-range goal.

Professor Moore:

Well, we have both long-range and short-range goals. Many of the initiatives that have been taken by Frank Hale and others produce some students in this category, but more at the graduate-level than at the undergraduate-level. So, yes, we do have things that are operative at the University, but we realize that we have to do a great deal more.

Mr. Galbreath:

Is a part of the competition, scholarships?

Professor Moore:

Yes.

Mr. Galbreath:

So the Harvards, and whatever over there are offering scholarships. Can we compete on that basis?

Professor Moore:

At this juncture, we are not competing on that basis. I am sure much of that will depend upon what you do and others -- you as the Board, and other kinds of considerations we have. In a sense, many of these institutions go out and literally buy students.

Mr. Galbreath:

Yes, right, through scholarships.

Professor Moore:

Lots of us can be bought, but when they see what is available it becomes very interesting. You see the subsistence kind of support we provided students through the '60's worked very well, but now we have to do a great deal more. To give you an example, forty percent of the families, black families, in the State of Ohio earn \$18,000 or less. There is a close correlation between college attendance and family income. And only twenty-one percent of the families in this State earn \$30,000 or above. So, even the ones earning \$30,000 find it

November 7, 1986 meeting, Board of Trustees

ENROLLMENT - AUTUMN QUARTER 1986 (contd)

Professor Moore: (contd)

difficult to support a college education, even at a college like Ohio State which is relatively inexpensive compared to many institutions.

Mr. Galbreath:

So the scholarship program is a part of what you are working with.

Professor Moore:

Oh, yes. We are to come in with suggestions and strategies -- some of them will work, some of them maybe will not work, but we've got to dream. To the credit of this community, I'm getting calls from people saying, "I hear you are doing this, did you know..." "You're doing this, well we are doing this as well." What we'd like to do is to find ways to bring all of these together, so the effort is one that is not fragmented, but one that has a unified focus and we can bring these students in. But you do have to realize that we are up against a formidable competitors in this country.

Mr. Teaford:

That's why, I think, the pool increase is essential in the long run. Because, in the first place, the pool is far too small compared to the population. I think that it is only a question of not making the opportunities that are here known and at an early enough age to increase that pool.

Dr. Brand:

May I comment on that? The trends, unfortunately, nationally show decreasing pools of the students from the black communities that are attending colleges at all. So it is not a local issue; it really is a national issue. We will do what we can to increase the pool, but there may be factors beyond our local control that are affecting the situation.

Professor Moore:

Yes, there is less than a one percent difference between what happens at Ohio State and what happens across the nation with regard to this. So it is a problem that is recognized nation-wide and everybody sees the need to do something about it and they are doing something about it. The problem is that we are dealing with a biased market in a sense. And these very bright students are conning the counselors in high schools all over the country. I talked to a mother yesterday morning who indicated that her son is a tenth grader, but he looks like a great prospect. He has had offers already from three universities --

Mr. Galbreath:

And he is a sophomore in high school?

November 7, 1986 meeting, Board of Trustees

ENROLLMENT - AUTUMN QUARTER 1986 (contd)

Professor Moore:

Yes, he is a sophomore in high school.

Mr. Teaford:

Well, I think, we can only communicate to that population that being able to dribble a basketball is not the only way to go to college.

Mr. Tobin:

Do we have outreach programs that get into the junior and high school levels?

Professor Moore:

We do have those, yes. I would like to see it much more broadly based. You see, I would like to see us start about fifth grade. I don't mean seventh grade, that is almost too late. I would like to start about fifth grade and do the things I saw Sam Shepard do back in the mid-fifties and so on. Target those students, bring them in early on, give dinners and other kinds of things for counselors and other people who were involved. In other words, we are buying the students in a sense; give awards, certificates, and all the things that people like to hang on walls. You know, they don't cost much, but it makes them feel important. And they become a part of what we do, our effort. We will really have it made when we can be as ingenious, I suspect, at finding these students as we are finding athletes. You ought to hear them talk about how ingenious our methods are. Maybe we need to learn something from those methods. To find a good halfback, you know, we'll go by mule pack, if necessary, but we will find him. Well, I've talked too much, but I think you have my point.

President Jennings:

Well, part of this is economics, but also -- and that's why I think Bill put so much emphasis on the fifth grade or fourth grade. Part of it is developing an attitude about going to college. Here again, it is first generation educated. The second and third generation educated already have that attitude, but that first generation educated doesn't know what college is. There is a bias in our society right now to send the young black student, if he is going post-high school, to technical school for vocational preparation. But society has got to develop the attitude that higher education is important, can allow one to accomplish goals, and that it is available.

Dr. Blanshan:

A bit of the task force discussion, even in these early days, talked about the two phases of increasing the pool that Mr. Galbreath and Mr. Teaford ask about. There have been some suggestions, in terms of the possibility, that indeed we can increase the number of black students who are graduating from high school, but not applying to college. That there are some

November 7, 1986 meeting, Board of Trustees

ENROLLMENT - AUTUMN QUARTER 1986 (contd)

Dr. Blanshan: (contd)

programs that can build a bridge to the University with those students. There are not huge numbers there right now, but there are some in answer to your question. And then there are the kinds of models that reach back to the middle school or even the grade school to begin some familiarizing in links with what the college/university experience is about. That work has begun and we have some programs. I hear from the members of the task force that there is a lot of interest in looking at that. Because there is a belief that if we, in the long run, really are going to do our job, the whole educational system must work together. I think we will have some really wonderful, creative suggestions.

Mr. Tobin:

The University of Illinois has a program that has been in place for a long time called the "Presidential Scholars Program." It receives a lot of corporate support and has been very effective in terms of identifying and cultivating youngsters even in the primary school level.

President Jennings:

I also think it is important to recognize in all of this, while these long-run approaches, I think, are extraordinarily important, we also should recognize that we have put a fairly major charge to this committee, to the Provost and to Sue. When Bill talks about 700 minorities coming next fall, we are essentially expecting to be able to report to you a doubling of minority enrollment, of black enrollment, next fall. Now, we might not accomplish that, but I am a believer in setting a goal and I think with a lot of support we can do that or at worst make very substantial short-run progress. But we do have to do the long-run activity also.

Mr. Berry:

Ed, your statement there -- 700 would be about 10 percent of the entering class, is that right?

President Jennings:

Twelve percent.

Mr. Berry:

Twelve, all right. You said it would be doubling what we have now, so we have about 350 in this present class?

President Jennings:

That is about right.

Mr. Ihrig:

Three hundred and sixty one, exactly.

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ENROLLMENT - AUTUMN QUARTER 1986 (contd)

Mr. Berry:

In other words, you are going to be more selective and still try to double it.

President Jennings:

You see, I think that we also should recognize that selectivity in admissions allows us to do this because in times gone by -- last year we announced on November 15 that we had closed admissions. Most first generation educated people, this is not just minority, but first generation educated people have not been thinking about applying to a university in October. Now we have the time opportunities during this to encourage activity. But, I think, just as important from a purely practical point of view, without delving into politics at all, the great strength of our American universities and of Ohio State is our diversity. And if we have a segment of the population that is left out of this University, our excellence hurts, and it hurts very badly. Because the part of the great American educational system, part of its excellence world-wide is having all segments of the population represented in our University. With 350 entering freshmen we don't have enough of that diversity at Ohio State and we must bring in more, otherwise our excellence will hurt. We will not be as good as we can be.

Mr. Galbreath:

What is the most appealing sales pitch, or what means the most to these minority students when you talk to them about going to Ohio State? Does an Archie Griffin calling on them have that much influence, or is it the fact that financially they can go to Ohio State? What are the top elements that are the most --

Professor Moore:

Well, an Archie Griffin is always a good sales pitch, but they soon get over that. You know, he's nice, he's good, he carries the football and so on, but after a while they get over that sort of thing. They are interested first of all in support for going to school. All of the research work shows that this is a concern of the students, not only black students, but students across the board, but particularly of black students because the family incomes are so low. That is the first thing they are concerned about.

The second thing that they are concerned about is, how will I fit in. That is the obvious concern. You mention 361 freshmen coming in and 53,000 people -- can I fit in, will I be O.K. In this light the work that Russ Spillman is doing and Frank -- they try to buttress the problem of what you are going to run into, so you don't feel so isolated. But it is hard to go to a large school like this and not feel isolated, as the research also shows -- wherever you happen to be. That is particularly true with minority students.

The third thing is, as you might imagine, where can I have a good time. They usually know about High Street and the Oval

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ENROLLMENT - AUTUMN QUARTER 1986 (contd)

Professor Moore: (contd)

even before they get here. So, support to make it and the ability to be able to fit in and to take an active role are important. And they run into problems with that quite frankly, and as we all know, but that is not insurmountable.

Dr. Blanshan:

Recruitment is really a multi-stage process. Even before these issues, one of the areas is that personalized contact from alumni and from current students who are black, so that they feel that there is someone that knows the Institution, that is getting to know them, that helps linking them in. Because from the application point to the actual enrollment point, we lose about half the students. Now, what we quite honestly have to do with this task force this year is we want every black student who applies, to enroll. One of things that will help us do that is to personalize that contact from the application to the enrollment period.

Mr. Tobin:

Are our black alumni being involved in the process?

Dr. Blanshan:

We are at the point where the task force is talking about strategies and it is premature to say absolutely it is going to be done, but it sure is sounding like it.

Professor Moore:

But to be more specific in answer to your question, to the degree that they ought to be, the answer is no. Even the extra steps that we have taken in the past have not really addressed black alumni the way they should. That is even true in predominately black institutions. For one reason or another we have never addressed the black alumni in the way we should have in whatever type of institution. So, I think, not the way they should be, but I really think you want to be. When we talk to them usually, that community -- and I'm a part of that community -- sometimes I'm a part of that community, I wonder about that at times -- when you talk to the community they ask what can we do. But the second thing they ask us is, once we give suggestions, do they pay any attention to us. There is always that kind of problem with --

Mr. Tobin:

That's true of all of them --

Mr. Scott:

Tom, as you know, in Columbus, a group of folks from the Merry Makers, for example, just one isolated group, have been very, very much involved in some targeted group activities and

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ENROLLMENT - AUTUMN QUARTER 1986 (contd)

Mr. Scott: (contd)

fund-raising for scholarships, etc. Now I think, Bill, on your committee there must be at least two or three --

Dr. Blanshan:

Colleen McMurray, whose husband is in Merry Makers, is on the task force.

Professor Moore:

And the Links, of course, you remember Ohio State sponsored an affair for the Links about two or three years ago. Bill Preston who is in Washington now, did a great deal in working with the people here and so on. So there are Links out there and in many ways it is pretty much the position Ohio State was in a few years ago when the business community of Columbus was on one end of High Street and the University on the other, and they never really started to come together. Well about five years ago, you may recall, we had that push and look what has happened now. It seems to me a tremendous kind of activity takes place as we have brought these two communities together. It was not always easy, you know, we both came in kicking and screaming, I suppose.

Mr. Tobin:

Bill or Sue, how does our financial aid package for a minority student with total need compare with other institutions in the State of Ohio, when competing in the same pool?

Professor Moore:

Well, in the State of Ohio it is about the same.

Dr. Blanshan:

The issue, I think, with the financial aid package addresses the kind of elite academic student that everybody is competing for and willing to buy, which is one issue. But the other issue is that our black students have, if you will, a much smaller margin of error for their financial aid package. Being short a \$100, \$200, or \$500, could pivot them into a drop out situation, where it might not for another student.

Mr. Tobin:

Or in going to school at home, or in coming to Columbus.

Professor Moore:

Well, what they have to do in a situation where they are not getting not enough money, not having adequate resources, they go out and start to work. Now you see them having some difficulty, academic difficulty, many of them do not having the kind of academic backgrounds some of them should have. They come here or elsewhere, they get a few dollars in the EOG grants or other kinds of grants, then they go out and get a part-time job to

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ENROLLMENT - AUTUMN QUARTER 1986 (contd)

Professor Moore: (contd)

augment that and that takes more time away from studying and so on. Whereas the eastern colleges mentioned a little earlier, they will provide them with full resources, and that does make a difference.

President Jennings:

See the scholarship issue -- I think what we have to continue to keep in mind, is that we are a land-grant institution, we have done this before, targeted groups. We need to be able to continue to provide the economic resources that a group or all groups of students need. There is no reason a student should not come to Ohio State because of finances. Now, some are better, but a student should be able to afford to come to Ohio State. Now, we expect things out of the student and so forth, but financial aid becomes -- I'm convinced that we can deal with this on an economic basis.

Professor Moore:

Just one final point. We do have to -- and we have alluded to it earlier -- we do have to give attention to preparation, which is another reason they do not come. The pool is small because so many of them are not prepared as they should be. On the ACT, for example, that has a range of one to thirty-six. The average ACT composite score for Ohio, for example, is 13.4 among black students. So you can see that the job is a terrific job and why Dr. Brand and others have said we have got to start earlier. Now for the sons and daughters of people of the Merry Makers, you don't have to worry about that, but for the others it is another problem.

President Jennings:

I think, Bill, it is also important to point out that again that ACT test score gap -- we also know that those gaps have existed with other minority groups, historically, that are not minority groups today. That this is not an unusual phenomena when you are dealing with first generation educated. That this is not a racial situation, this is an educational opportunity situation that has existed. You can tick off minority groups, historically, who have started with low ACT scores on the average and now they are into the system. Education is important for all.

Professor Moore:

Well, the increase we are seeing among minority groups is the Spanish speaking, which is unbelievable in terms of where they were.

Dr. Blanshan:

On the ACT scores, also, we do have some good institutional studies that indicate there is a range of scores that we consider lower -- not the best students, but lower scores that we know those kids can succeed here. We've got documentation of

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ENROLLMENT - AUTUMN QUARTER 1986 (contd)

Dr. Blanshan: (contd)

a range that is acceptable in terms of success, good success at completing a degree. And then there is a level below which we know if we don't get more help in the earlier educational levels, in terms of college preparation, those students will not have a chance to succeed at the University. And that is where we can work with other systems as well.

Mr. Tobin:

How well do we do on recruiting black students right here in Central Ohio, in Columbus?

Professor Moore:

Well we don't do as well as we were able to do a few years ago. That is one of those things that we don't quite understand. A part of it has to do with just the number of students who are going to school. Since that number has been decreasing we can't really tell. But I recall seeing a figure just recently that about 75 percent of those very bright students go elsewhere.

President Jennings:

Bill, thank you very much. It is an exciting program and we thank you for your efforts on this and I look forward to great progress.

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President Jennings:

I would like to call on Dr. Al Kuhn to bring us up-to-date on the activities he is engaged in and the development and continuing progress for our Honors Program. I think you all know, Al. He is now doing what we all long to do; he was a bureaucrat here and now he is back to doing real stuff on the faculty. Al --

Dr. Kuhn:

Thank you, President Jennings. Mr. Chairman, Members of the Board, I am delighted to report on my activities working with the Honors Program in the University. Let me give you some highlights of things of interest to us all.

You know about the national concern for the quality of undergraduate education all over the country. This week's Chronicle of Higher Education prints a report of, I would say, deep and grave concern about the state of health of undergraduate programs, the coherence of these programs, their directions, depth vs. breadth, vocationalism, that kind of thing.

There is with all of this a keen national competition for the best students. It is a fierce competition for the best students and not just minority students. Because the issue is, of

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Dr. Kuhn: (contd)

course, leadership and talent for the next century. It is as simple as that. The institutions are in competition with each other for the talented and the high ability students, and the world is in competition for the same kind of talent. Well, here at our own University, we're reflecting these concerns by looking at aspects of the undergraduate program, and the selective admissions, which, as the President spoke a moment ago, seeks to provide at once a more diverse undergraduate student body and yet a more stable one; therefore, a more qualitative one.

Honors simply hopes to highlight these endeavors and to help set standards and to be in the forefront of the pursuit of excellence. As all of you know, the University has traditionally had many honors programs. This is not a new endeavor. The College of Agriculture has had a long and distinguished program, and in the Arts and Sciences there are distinguished honors programs. With the recent initiatives, the creation of a university-wide office that I direct, we are seeking to facilitate, support, encourage, to be cheerleaders of university-wide efforts to support what is established and to bring new initiatives. All of us understand that honors programs are not imposed, these are things finally that faculty members are interested in and press forward themselves. And so we want to encourage individual and departmental initiatives.

Our agenda is fairly simple. A major one is the recruitment of highly-abled students. You know about our Battelle and our Joyce scholarships, and about our national achievement and national merit scholarships. And the various colleges have many such scholarships for talented students. Our office is also working with Frank Hale in attracting top minority scholars. Just as a kind of anecdote to Bill's point, one of the top minority scholars, a valedictorian of one of the City's high schools last year -- we offered her a scholarship which was -- well she had national offers and finally chose the University of Chicago which offered her \$12,500 for a single year -- which would have been about our four years. But I am just talking about this sort of competition which is for the very exotic. In an instance like that, you tell a student, well, this is a personal choice. It might be in the way, really, of trying to get that student to come here when the choice is another institution. That is also a dimension of really trying to attract a top scholar.

To help the recruitment of able scholars we are proposing to set up a University Honors Society, which will be a kind of umbrella organization that will seek to attract talented high school students. It will be a membership organization, they will be invited to join. The benefits of this organization will be special faculty advisement, entry to honors courses, our assistance in getting scholarships and aid for them. But more than that it gives talented students a new sense of identity and we hope aspiration to fulfill their talents. We hope that that will be an effective recruitment devise.

In academic programming, across the Institution, we are assisting various new efforts in honors programming. The

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Dr. Kuhn: (contd)

College of Arts, Architecture, and several other units are beginning new initiatives there. Currently there are about 150 honors courses taught during the three quarters of the academic year. The class size is typically twenty to twenty-five students. These 150 courses would enroll then about 2,000 to 2,500 students. I am teaching an introductory Shakespeare to brand new first quarter freshmen; these students I am teaching would be eligible for this Honors Society. I think that the course I am teaching is fairly typical of the Honors approach. Which is an intensive kind of one on one, intellectual experience for students in which the development of intellectual concernment, the ability to read sensitively, to write sensitively, to speak sensitively are all goals. And because I have twenty students and because I assign them three different essays spaced throughout the quarter, they usually wind-up writing about six essays. It is because they keep rewriting. I reference this, not to call attention to myself, but to the kind of individual attention that an Honors experience can provide. An academic enrichment that is at once both penetrating and broad. That generally is the kind of standard that we would like for Honors students generally. I draw a distinction between the highly-abled student and the Honors student. We get many, many highly-abled students. Many of those students pursue a very narrow path, in part, because their curriculum forces them to it and there isn't time enough to explore other things. But what Honors is hoping to do all over Campus, is to convert the high ability or the talented students into Honor students. To have them undertake challenging experiences, to take some risks, to not only learn a discipline, but to understand something about its moral, social, ethical implications -- in short its future and their future. So these are some of the kinds of things we try to support in our Honors academic programs. For example, independent research or a senior thesis is key to this kind of thing. The Carnegie Commission report, interestingly enough, recommends that every senior be required to write a thesis. That is the kind ideal that we're holding up for Honors.

Well, in short then our Honors efforts and our academic programs really speak to the enriched major, to independent research, to depth and breadth and discipline, in short, a more broadly educated person. I guess we are really speaking very fundamentally about the difference between training and education. We want to take the highly able students and turn them into students who take on the risks of the Honors experience. We want, therefore, to try to attract more scholarship money to the Honors enterprise. There is in the Capital Campaign, a \$5 million item for scholarships -- this over and above the individual college goals. The University Honors Center wants to be actively involved in defining perhaps a new level of prestigious scholarship that would be like our Joyce or our Battelle scholars to attract the most abled students.

The third emphasis then in the University Honors Center is the living/learning environment for talented students once they're here. We want to reinforce, support, and extend classroom work into the residence halls. Not to say that that doesn't go on

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Dr. Kuhn: (contd)

now, but -- I want to, in a moment, show a slide or two about Taylor Tower and the Honors Living/Learning Center, where through informal seminars, where through piggybacking upon events that go on in the University, like the Schooler Reese lectures, like the recent lectures on nuclear deterrance. We try to involve students especially in those programs through some dormitory or residence hall programs. So that there is in effect the effort to broaden the intellectual, emotional growth of students, the emphasis is upon cultivation. Last night, for example, Christian Badea was at Taylor. Also at one of the programs we had Frank Wobst from Huntington Bank who came up to talk with students on the theme, "What would happen tomorrow if all the Latin American Countries who owe us money defaulted?" A very interesting presentation and frightening for some business majors.

Mr. Galbreath:

What was his answer?

Dr. Kuhn:

It had something to do with Huntington National. Well, we look forward to extending this kind of thing into other areas, not necessarily in creating whole new other residence halls, but perhaps floors or suites or little communities of enterprising students of that sort. And, of course, we look forward to the refurbishment of Honors House. That will be the new home of the Honors Center and the tentative plans, as Dick Jackson has talked with us about that, is maybe get us in there on a temporary basis as the architects work around us or whatever. As planned, we are going to have a student seminar room there. Classes will actually be conducted there. There will be rooms for student organizations and honoraries, Mortor Board, Phi Beta Kappa, Phi Eta Sigma, that kind of thing. There are exciting prospects, in short, for that splendid old building on that splendid part of the campus. It can be the literal center and the symbolic center of Honors on campus. Now if I can show just a few slides, five or six here.

This is Taylor Tower, of course, named for Jacob Taylor, who was a business vice president. It has in it 831 honors students or they're mostly honors students. You'll see that there are 47 percent females, 53 percent males; 55 percent freshmen, 32 percent sophomores, then it falls off in the upper classmen. In the academic area of enrollment in the Arts and Sciences, 36 percent of the students in Taylor are interested in Arts and Sciences disciplines, and 37 percent in Engineering. The engineers, as you would expect, are among the most talented students that come to the University these days. They're interested in Taylor because it is near the Engineering building. Art, a very practical interest. Then 7 percent in Business and 3 in Education, and on down in those other areas. And this is what their performance, their past and current performance is like.

You see that of the 583 students, 70 percent, or 583, graduated in the top percent of their high school class. Of that number,

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Dr. Kuhn: (contd)

125 graduated first in their class. And their ACT scores -- 7 percent at the very highest range of 32 to 35, and then 53 percent at 28 to 31 and on down -- 28 percent from 24 to 27, and 12 percent at 18 to 23. Then their grade point averages 3.8 to 4.0, 11 percent, these are upper classmen, these are sophomores, juniors and seniors. The freshmen are excluded. Eleven percent are performing at the very top level, 36 percent performing at 3.3 to 3.79, and then 20 percent at the B's range and on down. Some of that performance is in the 2.7 range or so, I can testify that these are very, very bright high school students who have just chosen the wrong major. They have come in and just bombed-out. So there, special counseling and special advising is needed. These are some of the activities -- there is a micro-computer center there in Taylor itself. These are activities that go on. That is Professor Alan Mellett, who is speaking to students right before the Kissinger lecture of last year, to sort of alert them to issues. And this was a student/faculty dinner that is held almost every quarter in Taylor.

Now, I want to move on to Honors House. That was when it was freshly built in 1926, sixty years ago. This is looking from the north and the main entrance of the building is here. That is, it faces the north and the Campus is here. And one of the exciting prospects that the architects have in mind is turning the building back to face Mirror Lake and the library, and having its entrance here and landscaping this, so that ceremonials for students and their parents can be held here using this. Another exciting idea that the architects tentatively have in mind is converting this floor for student seminar and study space. This is a third floor in the building, but it is really cubbyhole space. The architects have proposed a very exciting idea tentatively of removing these ceilings so that you have cathedral vaulting for these small seminar rooms. And one of these we might call the "President's Seminar Room" with memorabilia of the presidents who lived there, George Rightmire, Howard Bevis and Novice Fawcett. There are some very exciting ideas possibly that the architects now can bring back for your approval.

Mrs. Bowser:

We might want to meet there, it looks better all the time.

Mr. Barone:

You don't have the grades.

Mr. Teaford:

Yes she does.

Dr. Kuhn:

University Honors, in short, wants to encourage and challenge students to rigorous and highly intellectual achievement. And our programs do so through small classes, special faculty, and challenging courses of instruction for highly motivated

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Dr. Kuhn: (contd)

students. Academic distinction, pursuit of excellence, is the constant name of all great institutions. Honors learning seeks to provide that challenge at our University.

One of the signs of the times, you may have noticed there was a little speech given by Shirley Chisholm, former Congresswoman, who is now a Professor of Political Sciences at Mount Holyoke. She recently expressed her concern about the general quality of undergraduate education. She just returned from a trip where she was comparing our students with students abroad. She thought that we were doing a good job of training our students, but not so good a job of educating. And she said, "I'm deeply concerned about all of these things. Mediocrity is not the answer, the world is filled with mediocrity. Excellence reaps rewards. I am concerned about excellence." And I think that we all share that concern and thank you for this opportunity to let me come before you.

Mr. Teaford:

Mr. Chairman, I know it's late, but if I could add just one comment. I had occasion recently to meet a number of Dr. Kuhn's honor students when I was a judge of the Homecoming Court. And I think we need to know that we are not talking about a bunch of grinds, we are talking about some of the most amazing young men and women that I have ever had occasion to meet. I don't think people realize that the woman on the Homecoming Court with the lowest point-hour average had a 3.7. That is the lowest point hour. The best was 3.97. So, we need to realize that these are absolutely extraordinary persons, we are talking leadership.

Mr. Galbreath:

Al, it is nice to have you back at one of our meetings. I remember my earlier days on this Board when you were with us on a regular basis, and I personally miss your participation. It's good to have you back.

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EXPRESSION OF APPRECIATION

Resolution No. 87-41

Synopsis: Appreciation is extended to Jerome Lawrence and Robert E. Lee for contributions to The Ohio State University.

WHEREAS Jerome Lawrence (B.A., 1937; Doctor of Humane Letters, 1963) and Robert E. Lee (Doctor of Humanities, 1979) have long been interested in and supportive of excellence at The Ohio State University; and

WHEREAS the most recent example of this dedication is their contribution to the University of an extensive collection of books, research materials, and original papers relating to their playwrighting careers and the history of American theater; and

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EXPRESSION OF APPRECIATION (contd)

WHEREAS this collection, when combined with the existing materials in Ohio State's Theatre Research Institute, will create one of the most comprehensive centers for research in theater history, literature, and criticism in the world; and

WHEREAS the combined collections will bear the name, "The Lawrence and Lee Theatre Research Institute," and will be housed in a specially designed facility on the Fourteenth Floor of Lincoln Tower; and

WHEREAS the new facility is to be dedicated today, November 7, 1986:

NOW THEREFORE

BE IT RESOLVED, That the Board of Trustees of The Ohio State University extends its deep appreciation to Jerome Lawrence and Robert E. Lee for their commitment to excellence in the playwrighting profession, in American theater, and at The Ohio State University; and

BE IT FURTHER RESOLVED, That this Board extends its congratulations to Jerome Lawrence and Robert E. Lee upon the dedication of the Lawrence and Lee Theatre Research Institute.

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

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DEGREES AND CERTIFICATES - AUTUMN QUARTER COMMENCEMENT

Resolution No. 87-42

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

NOW THEREFORE

BE IT RESOLVED, That the degrees and certificates be conferred on December 12, 1986, 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. Bowser, seconded by Mr. Barone, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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HONORARY DEGREES

Resolution No. 87-43

Synopsis: Approval is requested for awarding honorary degrees to five individuals.

WHEREAS the Committee on Honorary Degrees and the University Senate, pursuant to rule 3335-5-488 of the Administrative Code, have approved for recommendation to the Board of Trustees awarding of honorary degrees as listed below:

Yoshiyuki Funatsu	Doctor of Engineering
Ann Hutchinson Guest	Doctor of Humanities
Janet T. Spence	Doctor of Science
Paolo Emilio Taviani	Doctor of Humane Letters
Ullrich Georg Trendelenburg	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. Teaford, seconded by Mr. Barone, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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PERSONNEL ACTIONS

Resolution No. 87-44

RESOLVED, That the personnel actions as recorded in the Personnel Budget Records of the University since the October 3, 1986 meeting of the Board, including the following Appointment, Appointment of Chairpersons of Departments and Division and Director of Center, Leaves of Absence Without Salary, Leave of Absence Without Salary--Continuation, Professional Improvement Leaves, Professional Improvement Leave--Cancellation, Professional Improvement Leave--Change of Date, and Emeritus Title as detailed in the University Budget be approved.

Appointment

Name:	STEPHEN R. SCHROEDER
Title:	Director of Nisonger Center/Professor
Office/Department:	Health Services/Psychology
Effective:	January 1, 1987
Salary:	\$77,040.00
Present Position:	Associate Professor, Department of Psychiatry and Assistant Director for Research Development, Biological Sciences Research Center, University of North Carolina

November 7, 1986 meeting, Board of Trustees

PERSONNEL ACTIONS (contd)

Appointment of Chairpersons of Departments and Division and Director of Center

September 15, 1986 through June 30, 1987

Division of Agricultural Mechanics
Technology

Ronald J. Borton*

October 1, 1986 through June 30, 1987

Aeronautical and Astronautical
Engineering

Gerald M. Gregorek*

October 1, 1986 through September 30, 1990

Family Resource Management

Sherman D. Hanna

January 1, 1987 through December 31, 1991

Center for Mapping

John D. Bossler

*Acting Chairperson

Leaves of Absence Without Salary

KENNETH D. LANE, Professor, Department of Physics, effective Autumn Quarter 1986, to teach a graduate research course at Boston University.

RUTH M. CHARNEY, Associate Professor, Department of Mathematics, effective Autumn Quarter 1986 and Winter Quarter 1987, to accept a membership in the Institute for Advanced Study in Princeton, NJ.

LINDA M. MITCHELL, Associate Professor, School of Health, Physical Education and Recreation, effective Autumn Quarter 1986, Winter Quarter and Spring Quarter 1987, for personal reasons.

VITALY BERGELSON, Assistant Professor, Department of Mathematics, effective Autumn Quarter 1986, to attend the Special Year in Dynamics at the University of Maryland.

MARGARET Z. BRAND, Assistant Professor, Department of Philosophy, effective Autumn Quarter 1986, to complete projects now in progress.

SAGUN CHANILLO, Assistant Professor, Department of Mathematics, effective Spring Quarter 1987, to work at the University of California at Los Angeles, in the Mathematics Department.

YUJI KODAMA, Assistant Professor, Department of Mathematics, effective Autumn Quarter 1986, Winter Quarter and Spring Quarter 1987, to work at the University of Nagoya in Japan.

MING LI, Assistant Professor, Department of Computer and Information Science, effective Autumn Quarter 1986, Winter Quarter and Spring Quarter 1987, to accept a fellowship from Harvard University.

ALICE SILVERBERG, Assistant Professor, Department of Mathematics, effective Autumn Quarter 1986, Winter Quarter and Spring Quarter 1987, to accept a National Science Foundation postdoctoral fellowship.

November 7, 1986 meeting, Board of Trustees

PERSONNEL ACTIONS (contd)

Leaves of Absence Without Salary (contd)

MAHESH G. NERURKAR, Instructor, Department of Mathematics, effective Winter Quarter and Spring Quarter 1987, to accept a Visiting Assistant Professorship at the University of Maryland.

SARAH E. REES, Instructor, Department of Mathematics, effective Autumn Quarter 1986, Winter Quarter and Spring Quarter 1987, to accept a visiting position at the University of Birmingham, Birmingham, England.

Leave of Absence Without Salary--Continuation

NICHOLAS M. ERCOLANI, Assistant Professor, Department of Mathematics, effective Autumn Quarter 1986, Winter Quarter and Spring Quarter 1987, to continue his research.

Professional Improvement Leaves

MILLER B. MCDONALD, Professor, Department of Agronomy, effective Winter Quarter and Spring Quarter 1987.

DOUGLAS A. RUND, Associate Professor, Department of Preventive Medicine, effective February 1, 1987, through July 31, 1987.

Professional Improvement Leave -- Cancellation

BONNIE J. GARVIN, Associate Professor, Department of Family and Community, effective Autumn Quarter 1986, Winter Quarter and Spring Quarter 1987.

Professional Improvement Leave -- Change of Dates

DANIEL J. CRAWFORD, Professor, Department of Botany, change leave from Autumn Quarter 1985 and Winter Quarter 1986, to Autumn Quarter 1985.

Emeritus Title

ROBERT B. MCGHEE, Department of Electrical Engineering, with the title Professor Emeritus, effective October 1, 1986.

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

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RESOLUTIONS IN MEMORIAM

Resolution No. 87-45

Synopsis: Resolutions honoring the service of three of the University's faculty members, one administrator, and a former member on the Board of Trustees Agricultural Affairs Committee 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.

November 7, 1986 meeting, Board of Trustees

RESOLUTIONS IN MEMORIAM (contd)

Robert J. Kane

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on September 18, 1986, of Robert J. Kane, Assistant Professor Emeritus in the Department of English.

Robert J. Kane was born on December 9, 1897, in Columbus, Ohio, and graduated from Aquinas High School in 1917. He received a B.A. in 1921 and an M.A. in 1922, both from The Ohio State University; and he earned a Ph.D. from Harvard University in 1929. In 1921 he was named a University Scholar at The Ohio State University and was elected to Phi Beta Kappa. In 1927 he was an Austin Scholar at Harvard University.

Dr. Kane was especially knowledgeable in the bibliography of English literature, and in the Renaissance and Romantic periods of English literature. His publications centered in Shakespeare studies. He retired as an Assistant Professor Emeritus in 1965, having taught since 1926.

On behalf of the University, the Board of Trustees expresses its deep sympathy and sense of understanding to those who mourn for Professor Kane. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees.

James G. Krafft

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on September 12, 1986, of James G. Krafft, Director of Administration in the Office of Physical Facilities.

James Krafft was born January 28, 1930, in Cleveland, Ohio. He graduated from Grandview Heights High School and received his Bachelor of Science in Business Administration degree in 1952 and his Master of Business Administration degree in 1961, both from The Ohio State University.

After working as an examiner and supervisor in the Ohio Department of Taxation, Mr. Krafft came to Ohio State in 1967 as an Administrative Assistant in the Office of Physical Facilities, and was promoted to Director of Administration in 1975.

Throughout his dedicated career at Ohio State, Mr. Krafft served the best interest of the University and its staff. He had a great concern for improving the work environment of his employees and all Physical Facilities staff. Most of all, he was advisor and friend to all who needed or sought his guidance. He continually promoted the careers of others and helped them to succeed in their chosen areas of expertise.

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, 1986 meeting, Board of Trustees

RESOLUTIONS IN MEMORIAM (contd)

Joseph N. Miller

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on August 21, 1986, of Joseph N. Miller, Professor Emeritus in the Department of Zoology.

Dr. Miller was born in 1903 in Hillsboro, Highland County, Ohio. Upon graduation from Hillsboro High School in 1921, he entered Miami University. He served as an undergraduate assistant for two years at Miami University and received his AB from that institution in 1925.

He received his other degrees from The Ohio State University: MA in Zoology in 1926 and a Ph.D. in Zoology in 1935. He also studied at Ohio State's Biological Station, Stone Laboratory on Lake Erie, and at the University of Michigan Biological Station at Douglas Lake. The topic of his dissertation was "The Life History and Growth Rate of the Trematode, *Postharostomum lareui* McIntosh, 1934." He maintained a deep interest in trematode parasites throughout his academic career. His positions in both the Department of Zoology and Entomology and the Department of Zoology include: graduate assistant (1925-27), instructor (1927-42), assistant professor (1942-48), associate professor (1948-56), professor (1956-73), and professor emeritus (1973).

Dr. Miller was an excellent teacher known for the clarity with which he presented ideas and concepts. He was an advisor for numerous graduate students who now teach in other universities and colleges, a true mark of his success. A friendly man with a sharp wit and twinkling eyes, he will be fondly remembered.

A member of Delta Upsilon Fraternity, he also belonged to the scientific honorary Sigma Xi, The Ohio Academy of Science, The American Association for the Advancement of Science, The American Society of Parasitologists, Gamma Sigma Delta and Alpha Epsilon Delta. He was a member of Lion's International and the Masonic Lodge. Dr. Miller was a loyal fan of Ohio State's athletic teams and he was a much respected tennis player in his day. He also enjoyed oil painting and the theater.

On behalf of the University community, the Board of Trustees expresses to the family of Dr. Miller its deepest sympathy. 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 sincere expression of the Board's realization of the loss that the family, the University and his many friends and associates have sustained.

John M. Stackhouse

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on September 17, 1986, of John M. Stackhouse, President, Citizens National Bank of Norwalk, Ohio, and former Director, Ohio Department of Agriculture, who served for 16 years on the Board of Control of the Ohio Agricultural Research and Development Center.

John M. Stackhouse was born on March 3, 1929, in Oberlin, Ohio, and grew up on the Humphrey Farm at Wakeman, where his father, Clay, was manager. He graduated as valedictorian of the Wakeman High School Class of 1947. He received his B.S. degree from The Ohio State University in 1951, with a major in Agricultural Engineering and minors in Agronomy and Animal

November 7, 1986 meeting, Board of Trustees

RESOLUTIONS IN MEMORIAM (contd)

John M. Stackhouse (contd)

Science. Mr. Stackhouse entered the Graduate School of The Ohio State University in the summer of 1951, and held assistantships at the University in both research and resident instruction from 1951-54.

In addition to work on his academic program, Mr. Stackhouse assumed management of the Humphrey Farm in 1954, at which time his father went to Washington, D.C., as an administrator in the United States Department of Agriculture. Since his father's death in 1959, he had full responsibility for management of the 1,300-acre Humphrey Farm. From 1947-52, he served on the Board of Directors of the Ohio Drainage Contractors Association, and served as Executive Secretary for two years. During 1960-62, he was an elected member of the Board of Supervisors of the Huron Soil and Water Conservation District, serving as Chairman in 1961-62, at which time he served, also, as a member of the Research Committee of the Ohio Federation of Soil and Water Conservation Districts.

Mr. Stackhouse was appointed Director, Ohio Department of Agriculture in April 1963, and served on Governor Rhodes' cabinet throughout the remainder of the 16 years that Rhodes was in office. By virtue of his office, he served as a member of the Board of Control of the Ohio Agricultural Research and Development Center and as a member of the Ohio Expositions Commission. From 1970 to 1975, Mr. Stackhouse worked as Vice President and lobbyist with the National Agricultural Chemicals Association in Washington, D.C. During 1983-84, Mr. Stackhouse operated an agribusiness consulting firm, Stackhouse and Associates, Inc. He continued to manage the home farm at Wakeman and in 1984, was appointed Executive Director of the Ohio Agricultural Stabilization and Conservation Service. Former Chairman of the Bank Board, he was named President of the Citizens National Bank of Norwalk in 1985, and served in that position until his death.

Mr. Stackhouse was active in Alpha Zeta Fraternity, and in Gamma Sigma Delta, the Honor Society of Agriculture. He was a Fellow of the American Association for the Advancement of Science; and held memberships in the Ohio Academy of Science, American Society of Agronomy, the Soil Science Society of America, American Society of Agricultural Engineers, and the Ohio Society of Farm Managers and Rural Appraisers. He was inducted into the Ohio Agricultural Hall of Fame in 1983. Local activities included his church, the Wakeman Board of Education, and the Wakeman Civic Association.

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in their 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 C. Wise

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on August 9, 1986, of Frederic C. Wise, Assistant Professor Emeritus in the Cooperative Extension Service.

Mr. Wise was born April 24, 1922, in Newark, Ohio. He received his

November 7, 1986 meeting, Board of Trustees

RESOLUTIONS IN MEMORIAM (contd)

Frederic C. Wise (contd)

Bachelor and Master's degrees in agriculture from The Ohio State University in 1949 and 1957.

He became an Associate County Agent in Huron County on April 1, 1949. He then moved to Adams County as the Associate County Agent in December of 1955. On November 16, 1957, he became the County Extension Agent, Agriculture in Defiance County; the position he held until his retirement on June 30, 1979.

On behalf of the University community, the Board of Trustees expresses to the family of Mr. Wise its deepest sympathy. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to Mrs. Wise as a sincere expression of the Board's realization of the loss that the family, the University and his many friends and associates have sustained.

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

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REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS

Resolution No. 87-46

Synopsis: The reports on contracts, grants, and gifts and the summary for September 1986 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 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 and The Ohio State University Development Fund during the month of September 1986 be approved.

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

SUMMARY FOR SEPTEMBER 1986

Source	No. of Projects	Support Level
The Ohio State University Research Foundation	86	\$8,387,843.59

November 7, 1986 meeting, Board of Trustees

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

SUMMARY FOR SEPTEMBER 1986 (contd)

Engineering Experiment Station	46	\$ 607,837.00
Total	132	\$8,995,680.59

The Ohio State University Development Fund

Establishment of Named Funds

Eleanor S. Resler Cancer Research Institute Endowment Fund (Support cancer research)		\$ 75,000.00
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The Excellence in Botany Fund (Support in botanical teaching and research)		\$ 5,500.00
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Columbus Feed Club Endowed Scholarship Fund (Scholarships - College of Agriculture)		\$ 5,000.00
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Change of Name and Description of Named Fund

From:	The Andersons Agricultural Advancement Fund
To:	The Andersons Endowed Chair in Agricultural Marketing, Trade and Policy

November 7, 1986 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION

Report - September 1986

Federal Research Contracts/Grants

\$798,649.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, Spinal Cord Injury Research Center, Department of Surgery (W. E. Hunt) and Department of Physiology (B. T. Stokes), 1 September 1986 through 31 August 1987. (Project 763358 - Continuation)

\$762,822.00 - Department of Education, Office of Special Education and Rehabilitative Services, Washington, DC, Services for Deaf-Blind Children and Youth, Department of Human Services Education (T. Stephens), 1 October 1986 through 30 September 1987. (Project 764408 - Continuation)

\$570,000.00 - National Aeronautics and Space Administration, Washington, DC, A Center for Commercial Development of Space: Real-Time Satellite Mapping, Department of Geodetic Science and Surveying (I. I. Mueller) and Department of Civil Engineering (S. E. Smith), 1 September 1986 through 31 August 1987. (Project 765707 - New)

\$311,190.00 - National Science Foundation, Washington, DC, A Study of Conceptual Mechanical Design Process, Department of Engineering Graphics (M. B. Waldron), Department of Mechanical Engineering (K. J. Waldron) and Department of Psychology (D. H. Owen), 1 September 1986 through 28 February 1989. (Project 765682 - New)

\$244,415.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, Stochastic Fourier Transform Ion Cyclotron Resonance Mass Spectrometry, Departments of Chemistry and Biochemistry, and Chemical Instrumentation Center (A. G. Marshall), 1 September 1986 through 31 August 1987. (Project 763504 - Continuation)

\$198,000.00 - Department of Energy, Chicago, IL, Application of Artificial Intelligence to the Operation of Nuclear Power Plants, Department of Mechanical Engineering (B. K. Hajek and D. W. Miller) and Department of Computer and Information Science (B. Chandrasekaran), 22 September 1986 through 21 September 1987. (Project 765699 - New)

\$167,445.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, Identification of Gait Subtypes in Spastic Diplegia, Department of Surgery (S. R. Simon), 1 September 1986 through 31 August 1987. (Project 765480 - Continuation)

\$165,361.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, Fc Receptor Structure and Function, Department of Internal Medicine (C. L. Anderson), 1 September 1986 through 31 August 1987. (Project 765701 - New)

\$156,156.00 - Department of Health and Human Services, Public Health Service, Alcohol, Drug Abuse, and Mental Health Administration, Rockville, MD, Antidepressant Drugs in Treatment of Anxiety Disorders, Department of Psychiatry (M. R. Mavissakalian), 1 September 1986 through 31 August 1987. (Project 765702 - New)

November 7, 1986 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

\$139,988.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, B-Glucuronidase Inhibition and Chemical Carcinogenesis, Department of Physiological Chemistry and Cancer Research Center (T. E. Webb), 1 August 1986 through 31 July 1987. (Project 764291 - Continuation)

\$137,627.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, Ion Transport by Heart Mitochondria, Department of Physiological Chemistry (G. P. Brierley), 1 September 1986 through 31 August 1987. (Project 760026 - Continuation)

\$132,646.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Research Triangle Park, NC, DNA Damage Following Exposure to Genotoxin, Department of Radiology (S. M. D'Ambrosio and A. A. Wani), 1 September 1986 through 31 August 1987. (Project 762787 - Continuation)

\$128,175.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, Development of Cerebellar Circuits, Department of Anatomy (J. S. King), 1 September 1986 through 31 August 1987. (Project 760045 - Continuation)

\$122,286.00 - Environmental Protection Agency, Washington, DC, Role of Xenobiotics in Modifying Replicating DNA, Department of Physiological Chemistry and Cancer Research Center (G. E. Milo), 1 August 1986 through 31 July 1988. (Project 765679 - New)

\$120,694.00 - Department of Agriculture, Science and Education, Serotyping of Porcine Rotaviruses Using Monoclonal Antibodies, Department of Food Animal Health Research - OARDC (L. J. Saif), 1 September 1986 through 31 August 1989. (Project 765664 - New)

\$115,184.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, Glycoconjugates and Glioma Resistance to Cytolysis, Department of Pathology (A. J. Yates), 1 August 1986 through 31 July 1987. (Project 762989 - Continuation)

\$109,761.00 - National Science Foundation, Washington, DC, Knowledge Aided Architectural Problem Solving and Design, Department of Architecture (C. I. Yessios), 1 September 1986 through 29 February 1988. (Project 765681 - New)

\$108,000.00 - Department of Education, Office of Educational Research and Improvements, Washington, DC, ERIC Clearinghouse on Adult, Career and Vocational Education, The National Center for Research in Vocational Education (C. K. Hansen), 14 September 1984 through 31 December 1986. (Project 764387 - Continuation)

\$100,428.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, Thymidylate Synthetase Gene Structure and Expression, Department of Biochemistry (L. F. Johnson), 1 September 1986 through 31 August 1987. (Project 762903 - Continuation)

November 7, 1986 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 - Department of Agriculture, Science and Education, Washington, DC, Structural Organization and Regulation of the Chicken Thyroid Stimulating Hormone Genes, Department of Poultry Science - OARDC (D. N. Foster and W. L. Bacon), 1 September 1986 through 31 August 1988. (Project 765675 - New)

\$100,000.00 - Department of Agriculture, Science and Education, Washington, DC, Use of cDNA Probes for the Detection of Transmissible Gastroenteritis Virus, Department of Food Animal Health Research - OARDC (L. J. Saif), 15 September 1986 through 30 September 1988. (Project 765685 - New)

\$96,676.00 - Environmental Protection Agency, Chicago, IL, Exposure Probabilities for Resuspended and Advected Sediment in the Upper Connecting Channels, Department of Civil Engineering (K. W. Bedford), 1 July 1986 through 30 June 1987. (Project 764858 - Continuation)

\$95,638.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, Exercise, Oxidant Stress, Antistressors and Atheroma, Department of Physiological Chemistry (A. J. Merola), 30 September 1986 through 29 September 1987. (Project 765064 - Continuation)

\$95,390.00 - Department of the Navy, Naval Weapons Center, China Lake, CA, Ram and Inlet Modeling: Compact Range Scattering, Department of Electrical Engineering, ElectroScience Laboratory (P. Pathak), 1 October 1986 through 30 June 1987. (Project 764991 - Continuation)

\$90,000.00 - Department of the Navy, Office of Naval Research, Arlington, VA, Radar Target Classification Studies, Department of Electrical Engineering, ElectroScience Laboratory (E. K. Walton), 1 May 1986 through 31 July 1987. (Project 764726 - Continuation)

\$88,000.00 - National Science Foundation, Washington, DC, Strategic Acquisition of Flexible Technology, Academic Faculty of Management Sciences (C. M. Gaimon), 15 September 1986 through 31 August 1988. (Project 765665 - New)

\$85,000.00 - Department of Health and Human Services, Public Health Service, Centers for Disease Control, Atlanta, GA, Demonstration Program in the Use of Calcium Fluoride in Fluoridating a Water System, Department of Civil Engineering (A. J. Rubin), 1 September 1986 through 31 August 1987. (Project 764820 - Continuation)

\$83,744.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, Immunoprevention of HTLV Infection, Department of Veterinary Pathobiology (R. G. Olsen and L. E. Mathes), 30 September 1986 through 31 July 1987. (Project 765057 - Continuation)

\$82,940.00 - Department of Agriculture, Science and Education, Washington, DC, Hormonal and Immunological Aspects of Luteolysis, Department of Dairy Science - OARDC and Department of Dairy Science (J. L. Pate), 1 September 1986 through 31 August 1988. (Project 765692 - New)

November 7, 1986 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

\$82,571.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, Inhibitory Mechanism of Gossypol on Tapeworm, Department of Veterinary Pathobiology (Y. Rikihisa), 1 September 1986 through 31 August 1987. (Project 765683 - New)

\$80,818.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, Neural Basis of Taste Elicited Ingestion and Rejection, Oral Biology (J. B. Travers), 1 September 1986 through 31 July 1987. (Project 765695 - New)

\$75,217.00 - Department of Education, Office of Postsecondary Education, Washington, DC, Using Job Clubs to Assist in the Transition to Work of Postsecondary Learning-Disabled Students, The National Center for Research in Vocational Education (C. K. Hansen), 1 October 1986 through 30 September 1987. (Project 765677 - New)

\$73,800.00 - Department of Health and Human Services, Public Health Service, Health Resources and Services Administration, Rockville, MD, Establishment of Department of Family Medicine, Department of Family Medicine (T. Williams and J. S. Monk), 1 September 1986 through 31 August 1987. (Project 765671 - New)

\$69,399.00 - Department of Commerce, National Bureau of Standards, Gaithersburg, MD, Studies of Grain-Boundary Interfaces in Ceramics, Department of Metallurgical Engineering (R. H. Wagoner), 18 September 1986 through 17 September 1987. (Project 765703 - New)

\$60,522.00 - International Development Cooperation Agency, Washington, DC, Dominican Republic Commercial Farming Systems Project, Department of Agricultural Economics and Rural Sociology (C. Gonzalez-Vega), 1 September 1986 through 31 October 1986. (Project 763301 - Continuation)

\$59,745.00 - Department of Education, Office of Special Education and Rehabilitative Services, Washington, DC, Parent-Child Conversation: A Longitudinal Project for Research into Intervention with Language-Delayed Handicapped Children, Nisonger Center (J. MacDonald), 1 October 1986 through 30 September 1987. (Project 764417 - Continuation)

\$52,500.00 - Department of Education, Office of Postsecondary Education, Washington, DC, Grants under the Education for the Public Service Program, School of Public Administration (A. E. Merget), 1 October 1986 through 30 September 1988. (Project 765674 - New)

\$47,000.00 - Department of Agriculture, Science and Education, Washington, DC, Mechanisms Regulating Nodulation Formation in Soybean, Department of Agronomy - OARDC and Department of Agronomy (W. D. Bauer), 15 September 1986 through 30 September 1987. (Project 765653 - New)

\$46,353.00 - National Science Foundation, Washington, DC, A "True" AC-Model for the MODFET, Department of Electrical Engineering (P. Roblin), 1 October 1986 through 31 March 1988. (Project 765676 - New)

November 7, 1986 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

\$45,387.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, Gustatory Afferent Organization in the Solitary Nucleus, Oral Biology (S. P. Travers), 1 September 1986 through 31 August 1987. (Project 765694 - New)

\$45,000.00 - Department of the Air Force, Aeronautical Systems Division, Wright-Patterson Air Force Base, OH, UTD Scattering from Structures Including Higher Order Terms, Department of Electrical Engineering, ElectroScience Laboratory (R. J. Marhefka), 15 April 1986 through 30 September 1986. (Project 765374 - Continuation)

\$38,479.00 - National Science Foundation, Washington, DC, Chloroplast Transport: Characterization of the C4-Phosphoenolpyruvate Translocator, Department of Horticulture - OARDC and Department of Horticulture (M. E. Rumpho-Kennedy), 1 September 1986 through 28 February 1989. (Project 765690 - New)

\$33,077.00 - Department of Agriculture, Science and Education, Washington, DC, A Multidisciplinary Ph.D. Fellowship Program in Food and Agricultural Marketing, Food Science, and Human Nutrition, Department of Agricultural Economics and Rural Sociology (J. Havlicek), 1 April 1988 through 14 September 1989. (Project 764460 - Continuation)

\$29,004.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, Pathogenesis of Humoral Hypercalcemia of Malignancy, Department of Veterinary Pathobiology (C. G. Capen and T. J. Rosol), 1 October 1986 through 30 September 1987. (Project 765055 - Continuation)

\$26,004.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, Metabolism of Insulin-Like Growth Factors, Department of Biochemistry (L. F. Johnson and S. J. Pilistine), 1 October 1986 through 30 September 1987. (Project 765041 - Continuation)

\$25,000.00 - Department of the Air Force, Air Force Systems Command, Wright-Patterson Air Force Base, OH, Experimental Screening of Potential Surface Materials for Ultra-High Temperature Composites, Department of Ceramic Engineering (J. D. Cawley) and Department of Metallurgical Engineering (W. B. Johnson), 1 September 1986 through 30 September 1986. (Project 765693 - New)

\$24,900.00 - Department of Transportation, National Highway Traffic Safety Administration, East Liberty, OH, Development of a Composite Rib Structure, Department of Mechanical Engineering (J. A. Collins), 1 January 1986 through 30 September 1986. (Project 764086 - Continuation)

\$20,000.00 - Department of Energy, Washington, DC, Energy Reactor Sharing Program, Engineering Experiment Station (R. D. Myser), 1 September 1986 through 31 August 1987. (Project 762411 - Continuation)

\$19,000.00 - Environmental Protection Agency, Washington, DC, Virulence of Subtypes of Legionella pneumophila, Department of Internal Medicine

November 7, 1986 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

(J. F. Plouffe and M. F. Para), 16 September 1985 through 15 September 1987. (Project 765019 - Continuation)

\$17,000.00 - National Aeronautics and Space Administration, Langley Research Center, Hampton, VA, Development of Decentralized Control Algorithms for Flexible Structures, Department of Electrical Engineering (U. Ozguner and S. Yurkovich), 1 September 1986 through 31 December 1986. (Project 765666 - Continuation)

\$12,000.00 - National Aeronautics and Space Administration, Ames Research Center, Moffett Field, CA, Intensity and Broadening Coefficients of Selected CO₂ Lines in the Infrared, Department of Physics (K. N. Rao), 1 October 1986 through 30 September 1987. (Project 765684 - New)

\$7,150.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, Studies on Topoisomerase I and II in Herpes Simplex Virus Replication, Department of Microbiology (M. T. Muller) and Department of Medical Microbiology and Immunology (D. S. Parris), 1 July 1986 through 30 June 1987. (Project 765482 - Continuation)

\$2,417.00 - Department of the Army, Waterways Experiment Station, Vicksburg, MS, Evaluation of Performance of Concrete Structures, Department of Civil Engineering (R. S. Sandhu), 14 July 1986 through 30 September 1986. (Project 765659 - Continuation)

Computer Time - National Science Foundation, Washington, DC, Computations on Multilinear Fluorescence Data, Department of Biochemistry (R. T. Ross), 15 August 1986 through 15 August 1987. (Project 765691 - New) (Approximate Value - \$7,000)

TOTAL - FEDERAL AWARDS \$6,498,558.00

State of Ohio Research Contracts/Grants

\$88,560.00 - State of Ohio, Department of Education, Columbus, OH, Ohio Reading Recovery Project, Department of Educational Theory and Practice (G. S. Pinnell), 1 July 1986 through 30 September 1987. (Project 765174 - Continuation)

\$37,000.00 - State of Ohio, Department of Development, Columbus, OH, Retention and Expansion of Existing Businesses, Department of Agricultural Economics and Rural Sociology and Cooperative Extension State Operations (G. W. Morse), 1 September 1986 through 30 June 1987. (Project 765667 - New)

\$31,343.00 - State of Ohio, Department of Natural Resources, Columbus, OH, The Vascular Flora of Ohio, Volume 2, Department of Botany (T. F. Stuessy), 18 August 1986 through 30 September 1987. (Project 765669 - Continuation)

\$16,913.00 - State of Ohio, Department of Youth Services, Columbus, OH, Graduate Student Internship, Department of Human Services Education (M.

November 7, 1986 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)

D. Orlansky), 1 October 1986 through 30 June 1987. (Project 765689 - Continuation)

\$8,085.00 - State of Ohio, Department of Mental Health, Columbus, OH, Mental Health Traineeships, College of Social Work (M. Coleman), 1 July 1986 through 30 June 1987. (Project 762864 - Continuation)

\$2,911.00 - State of Ohio, Department of Education, Columbus, OH, Matrix Conversion and Vocational Education Projections, Academic Faculty of Management and Human Resources (H. R. Blaine), 1 July 1986 through 30 June 1987. (Project 765526 - Continuation)

\$2,508.00 - State of Ohio, Department of Mental Health, Columbus, OH, Family and Parental Factors Associated with Childhood and Adolescent Adjustment Problems, Department of Psychology (S. J. Beck), 15 September 1986 through 30 June 1987. (Project 765705 - New)

\$2,124.00 - State of Ohio, Ohio Arts Council, Columbus, OH, Presentation of Paul Taylor's AUREOLE, Department of Dance (M. R. Pierson), 1 October 1986 through 30 June 1987. (Project 765672 - New)

TOTAL - STATE OF OHIO AWARDS \$ 189,444.00

Industrial Research Contracts/Grants

\$104,000.00 - Brunswick Corporation, Marion, VA, Hybrid Radome Research Studies, Department of Electrical Engineering, ElectroScience Laboratory (B. A. Munk), 12 August 1986 through 11 August 1987. (Project 765697 - Continuation)

\$70,376.00 - Pfizer, Inc., Groton, CT, Phase I Double-Blind Placebo-Controlled Single Dose Study to Establish Toleration, Pharmacokinetics and Bioavailability of CP-73,850, Department of Pharmacology (N. Gerber), 1 July 1986 through 30 June 1987. (Project 765696 - New)

\$52,784.00 - McNeil Pharmaceutical, Spring House, PA, Etoperidone: Safety and Efficacy versus Amitriptyline in Outpatients with Recurrent Depression, Department of Psychiatry (S. L. Stern, B. A. Jones, A. B. Levy and D. J. Martin), 1 September 1986 through 31 August 1988. (Project 765698 - New)

\$49,911.00 - Rockwell International, Los Angeles, CA, Independent Research and Development, Department of Electrical Engineering, ElectroScience Laboratory (L. Peters, Jr.), 6 August 1986 through 30 September 1986. (Project 765225 - Continuation)

\$9,832.00 - World Book Encyclopedia, Chicago, IL, Graduate Student Practicum, Department of Human Services Education (T. Stephens), 1 October 1986 through 30 September 1987. (Project 765714 - Continuation)

\$8,700.00 - General Electric Company, Milwaukee, WI, 3-D Surface Representation and Perspective Enhancement of MR Data, Department of Radiology (W. W. Hunter) and Department of Art Education (C. A. Csuri), 20 August 1985 through 31 December 1986. (Project 764577 - Continuation)

November 7, 1986 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Industrial Research Contracts/Grants (contd)

\$3,599.59 - Boeing Company, Seattle, WA, Compact Range Performance Analysis, Department of Electrical Engineering, ElectroScience Laboratory (J. D. Young), 1 June 1986 through 31 December 1986. (Project 765397 - Continuation)

\$3,250.00 - America-Mideast Educational and Training Services, Inc., Washington, DC, Peace Fellowship Program for Egypt, Department of Otolaryngology (D. J. Lim), 20 July 1986 through 15 May 1987. (Project 765662 - New)

TOTAL - INDUSTRIAL AWARDS \$ 302,452.59

Other Non-Federal Research Contracts/Grants

\$1,148,562.00 - National Association of Regulatory Utility Commissioners, Washington, DC, The Research and Assistance Plan and Budget for the National Regulatory Research Institute: The Business Plan for FY 1986, National Regulatory Research Institute (D. N. Jones), 1 September 1986 through 31 August 1987. (Project 763289 - Continuation)

\$46,690.00 - University of Iowa, Iowa City, IA, Articular Cartilage Healing and Passive Motion, Department of Veterinary Clinical Sciences (M. L. Olmstead), 1 August 1986 through 31 July 1987. (Project 765032 - Continuation)

\$42,339.00 - Smokeless Tobacco Research Council, Inc., New York, NY, Effects of Smokeless Tobacco on the Development of the CD-1 Mouse Fetus, Oral Biology (R. B. Paulson and J. L. Shanfeld), 1 January 1987 through 31 December 1987. (Project 765092 - Continuation)

\$33,000.00 - American Heart Association, Dallas, TX, Hypothalamic Neuronal Sensitivity in Hypertensive Rats, Department of Physiology (J. A. Boulant), 1 September 1986 through 31 August 1987. (Project 764156 - Continuation)

\$25,076.00 - Nebraska Department of Economic Development, Lincoln, NE, Nebraska Small Business Development, The National Center for Research in Vocational Education (C. K. Hansen), 15 August 1986 through 30 June 1987. (Project 765663 - New)

\$25,000.00 - Scottish Rite Schizophrenia Research Program, Lexington, MA, Dopamine and Serotonin Receptor Mapping by Magnetic Resonance Imaging, Department of Psychiatry (J. A. Coffman), 1 August 1986 through 31 July 1987. (Project 765668 - New)

\$20,800.00 - Lorain County Community College, Elyria, OH, Technical Assistance for Lorain County Community College, The National Center for Research in Vocational Education (C. K. Hansen), 1 September 1986 through 31 August 1987. (Project 765678 - New)

\$15,770.00 - Marburn Academy, Columbus, OH, Graduate Student Internship, Department of Human Services Education (D. J. Tosi and P. S. Wise), 1 October 1986 through 30 September 1987. (Project 765688 - New)

November 7, 1986 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)

\$9,644.00 - University of Wisconsin, Madison, WI, Services to the Government of Indonesia, Academic Affairs Administration and International Affairs (W. L. Flinn), 23 May 1986 through 24 July 1986. (Project 765710 - New)

\$9,108.00 - Grandview Heights Schools, Columbus, OH, Grandview Heights Schools Internship Project, Department of Educational Policy and Leadership (C. M. Galloway), 1 October 1986 through 30 June 1987. (Project 765715 - Continuation)

\$6,900.00 - Battelle Memorial Institute, Columbus, OH, Natural Analog Study Technical Support, Department of Geology and Mineralogy (K. A. Foland), 1 July 1986 through 30 September 1986. (Project 764352 - Continuation)

\$6,000.00 - United Nations, Nairobi, Kenya, Review of Training and Education Modules, School of Natural Resources (C. B. Davis), 1 December 1985 through 31 December 1986. (Project 765709 - New)

\$4,000.00 - National Kidney Foundation of Central Ohio, Columbus, OH, Chronic Cyclosporine Nephropathy, Department of Internal Medicine (F. G. Cosio), 1 July 1986 through 30 June 1987. (Project 765687 - New)

\$4,000.00 - National Kidney Foundation of Central Ohio, Columbus, OH, Evaluation of the NB Rat Bladder Cancer Model, Department of Surgery (J. R. Drago), 1 July 1986 through 30 June 1987. (Project 765680 - New)

\$500.00 - Houghton Mifflin Company, Hanover, NH, National Career Guidance Consortium, The National Center for Research in Vocational Education (C. K. Hansen), 1 July 1986 through 30 June 1987. (Project 765651 - Continuation)

Computer Time - Carnegie Mellon University, Pittsburgh, PA, Conversion of an Existing Three-Dimensional Tropical Cyclone Model to the Supercomputer Environment Provided at Boeing Computer Center, Department of Geography (J. N. Rayner), 14 September 1986 through 15 September 1986. (Project 765713 - New) (Approximate Dollar Value - \$3,000)

TOTAL - OTHER NON-FEDERAL AWARDS \$1,397,389.00

ENGINEERING EXPERIMENT STATION

State Sponsored Research and Development

\$50,000.00 - Edison Partnership Program, Department of Development, Columbus, OH, and Varian Specialty Metals, Grove City, OH, "The Preparation and Properties of Magneto-Optic Thin Films," Department of Metallurgical Engineering, 1 October 1985 through 31 March 1987. (529686)

\$49,922.00 - Edison Partnership Program, Department of Development, Columbus, OH, and Ceramphysics, Westerville, OH, "Cellular Structure

November 7, 1986 meeting, Board of Trustees

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

ENGINEERING EXPERIMENT STATION (contd)

State Sponsored Research and Development (contd)

Oxygen Sensors," Department of Ceramic Engineering, 1 January 1986 through 31 December 1986. (312888)

TOTAL - STATE SPONSORED RESEARCH \$ 99,922.00

Industrial and Other Sponsored Research and Development

\$125,000.00 - From various industry for membership in "The Engineering Research Center on Net-Shape Manufacturing," Engineering Experiment Station. (529200)

\$95,776.00 - Battelle Memorial Institute, Columbus, OH, "Application of Enhanced Heat Exchanger Surfaces," Department of Mechanical Engineering, 1 April 1986 through 31 October 1986. (312887)

\$80,136.00 - RJO Enterprises, Inc., Crofton, MD, "Development of Workload Measurement Devices and Techniques for Aircraft Cockpits," Department of Aviation, 8 November 1984 through 17 July 1987. (312836 - Ext. 2)

\$80,000.00 - From various industry for "Compact Radar Cross Section Measurement Ranges Research and Development Consortium," Department of Electrical Engineering, 1 July 1986 through 30 June 1987. (312884)

\$52,971.00 - from 26 sponsors of 36 development projects under the direction of three engineering departments or research areas.

\$40,000.00 - General Electric Company, Cincinnati, OH, "Fabrication and Checkout of the 1/12 Scale Model Ejector-Powered Simulator," Department of Aeronautical and Astronautical Engineering, 20 August 1986 through 31 December 1986. (312885)

\$15,000.00 - Hitachi, Ltd., Ibaraki-ken, Japan, "Usage of Artificial Intelligence Laboratory," Department of Computer and Information Science, 14 September 1986 through 24 September 1987. (312890)

\$10,000.00 - Welding Research Council, New York, NY, "Modification of Weld Pool Solidification through Microcooler Additions," Department of Welding Engineering, 15 September 1986 through 14 September 1987. (529716)

\$9,032.00 - General Electric Company, Schenectady, NY, "Ultrahigh Temperature Composite Materials," Department of Ceramic Engineering, 11 August 1986 through 21 October 1986. (312886)

TOTAL - INDUSTRIAL AND OTHER SPONSORED RESEARCH \$ 507,915.00

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND

Establishment of Named Funds

Eleanor S. Resler Cancer Research Institute Endowment Fund

The Eleanor S. Resler Cancer Research Institute Endowment Fund was established November 7, 1986, by the Board of Trustees of The Ohio State

November 7, 1986 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

Establishment of Named Funds (contd)

Eleanor S. Resler Cancer Research Institute Endowment Fund (contd)

University with gifts to The Ohio State University Development Fund from Eleanor S. Resler, 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 shall be used to support cancer research as approved by the Medical Director of the Cancer Research Institute and the Dean of the College of Medicine. If it is determined that funding for cancer research is so ample, then the income from this fund may be used for those purposes as deemed appropriate by the Medical Director of the Cancer Research 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, with preference being given to the recommendations from the appropriate administrative official of the University who is then directly responsible for medical education.

The Excellence in Botany Fund

The Excellence in Botany Fund was established November 7, 1986, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from alumni, faculty and friends of the Department of Botany and the College of Biological Sciences.

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 shall be used for support of excellence in botanical teaching and research in the Department of Botany in the College of Biological Sciences. The Chairperson of the Botany Department will have sole authority to authorize expenditures from the Fund, as approved by the Dean of the College of Biological 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 the recommendations from the appropriate administrative official of the University who is then directly responsible for the teaching, research and service of Botany.

Columbus Feed Club Endowed Scholarship Fund

The Columbus Feed Club Endowed Scholarship Fund was established November 7, 1986, by the Board of Trustees of The Ohio State University with gifts

November 7, 1986 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

Establishment of Named Funds (contd)

Columbus Feed Club Endowed Scholarship Fund (contd)

to The Ohio State University Development Fund from the Columbus Feed Club, an organization of marketing representatives of feed manufacturers doing business in the Central Ohio 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 shall be used to fund one or more scholarships for students in the College of Agriculture with preference being given to those students enrolled in the Department of Animal Science. Criteria for the scholarships shall include academic performance and financial need. Scholarships shall be selected by a committee consisting of the Assistant Dean for Student Affairs in the College of Agriculture and appropriate faculty representation from Animal Science, in consultation with 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 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 College of Agriculture.

Change of Name and Description of Named Fund

**The Andersons Endowed Chair in
Agricultural Marketing, Trade and Policy**

The Andersons Agricultural Advancement Fund was established November 1, 1985, by the Board of Trustees of The Ohio State University with a gift to The Ohio State University Development Fund from The Andersons, the prominent agricultural grain and supply firm headquartered in Maumee, Ohio. The name and description were changed November 7, 1986.

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 shall be used to support the work of the distinguished professor whose research, teaching and public service focus on agricultural marketing, agricultural policy, macroeconomics, and/or international trade. The chair holder shall provide leadership for innovative research and teaching programs concerned with alternative macroeconomic, international trade policies, analyzing the effect of domestic and foreign agricultural policies on U.S. agriculture, the marketing of agricultural products and agricultural trade. The chair shall be appointed and shall serve at the pleasure of the Vice President for Agricultural Administration in consultation with the Chairperson of

November 7, 1986 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)

**The Andersons Endowed Chair in
Agricultural Marketing, Trade and Policy (contd)**

Agricultural Economics and Rural Sociology and a representative of The Andersons.

In the event that this position should remain vacant for more than one year, then the annual income from this fund shall be used for innovative and creative activities that will strengthen and enhance the ability of the College of Agriculture and its related units to carry out its mission in an exemplary manner. Specific use shall be determined each year by the Vice President for Agricultural Administration in consultation with The Andersons.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income can 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 agricultural teaching, research and extension.

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**PURCHASE OF REAL PROPERTY FOR WOSU-AM ANTENNA SITE
96.38 ACRES IN SOUTHWEST FRANKLIN COUNTY, OHIO**

Resolution No. 87-47

Synopsis: Authorization to purchase approximately 96.38 acres in southwest Franklin County to provide a new site for WOSU-AM's transmitter is requested.

WHEREAS to improve services to its listeners, the WOSU Stations desire to expand the operating hours of WOSU-AM to include night broadcasting and have been granted a construction permit by the Federal Communications Commission (FCC) to construct nighttime broadcasting facilities; and

WHEREAS in accordance with FCC regulations protecting the nighttime service areas of clear channel stations, WOSU-AM must reduce power for nighttime operation and use an array of antennas and the present daytime antenna site cannot be used to both serve the Central Ohio area and protect the service areas of clear channel stations; and

WHEREAS Kenyon College owns approximately 96.38 acres of undeveloped real property in southwest Franklin County, which site will meet the technical and geographic needs of WOSU-AM, and has offered this property for sale; and

WHEREAS funds to purchase this property will be provided through funds contributed through the Friends of WOSU; and

WHEREAS the appropriate University offices are in agreement as to the desirability of purchasing this property:

November 7, 1986 meeting, Board of Trustees

**PURCHASE OF REAL PROPERTY FOR WOSU--AM ANTENNA SITE
96.38 ACRES IN SOUTHWEST FRANKLIN COUNTY, OHIO (contd)**

NOW THEREFORE

BE IT RESOLVED, That the President and/or Vice President for Business and Administration be authorized to purchase, in the name of the Board of Trustees, approximately 96.38 acres located off Gantz Road in southwest Franklin County, at a price not to exceed \$300,000.00 and under such terms and conditions as are deemed to be in the best interest of the University.

Upon motion of Mr. Kessler, seconded by Mr. Barone, 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
LIMA TECHNICAL COLLEGE - ENTRANCE ROAD**

Resolution No. 87-48

Synopsis: Authorization to employ an architectural/engineering firm and request construction bids is proposed.

WHEREAS Amended Substitute House Bill 870 (the biennial capital appropriations bill) enacted by the 116th General Assembly included funds for the Lima Technical College to provide a new entrance road from State Route 309 to the Lima Campus; and

WHEREAS the Lima Technical College will provide \$150,000 for this project, for a total project cost of \$650,000, of which \$520,000 is estimated for construction; and

WHEREAS the Lima Technical College has asked The Ohio State University to assist them with the programming, design and construction of this project:

NOW THEREFORE

BE IT RESOLVED, That the President and/or Vice President for Business and Administration in cooperation with the Lima Technical College, be authorized to select a qualified architectural/engineering firm for this project in conjunction with the Department of Administrative Services, and that the fees for this architectural/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 President and/or Vice President for Business and Administration, in cooperation with the Lima Technical College, 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 contracts with all actions to be reported to this Board at the appropriate time.

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

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November 7, 1986 meeting, Board of Trustees

**EMPLOYMENT OF ARCHITECT/ENGINEER AND
REQUEST FOR CONSTRUCTION BIDS
HONORS HOUSE RENOVATION**

Resolution No. 86-49

Synopsis: Authorization to employ an architectural/engineering firm and request construction bids is proposed.

WHEREAS this project provides for the creation of The Ohio State University Honors House by remodeling the former President's Residence located on the central campus; and

WHEREAS Honors House will serve as the administrative center for all programs and functions relating to honors activities; and

WHEREAS \$1,250,000 will be made available from University funds for this project, of which \$1,000,000 is estimated for construction:

NOW THEREFORE

BE IT RESOLVED, That the President and/or Vice President for Business and Administration be authorized, in accordance with established University procedures, to select a qualified architectural/engineering firm for this project, to request construction bids on this project, and if satisfactory bids are received, to award the necessary contracts, with all actions to be reported to this Board at the appropriate time.

Upon motion of Mr. Barone, seconded by Mr. Kessler, 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
IVES HALL REMODELING**

Resolution No. 87-50

Synopsis: Authorization to employ an architectural/engineering firm and request construction bids is proposed.

WHEREAS Brown Hall Annex is due to be demolished in preparation for the construction of a science technology library, classroom, and Mathematics addition and the occupants presently housed in the Annex will need alternate space; and

WHEREAS this project will provide the needed space in Ives Hall through improvements to the lighting system, installation of additional restrooms, and the general refurbishing of Ives Hall after Agricultural Engineering relocates to its new building; and

WHEREAS \$675,000 will be made available for this project from University funds, of which \$570,000 is estimated for construction:

NOW THEREFORE

November 7, 1986 meeting, Board of Trustees

**EMPLOYMENT OF ARCHITECT/ENGINEER AND
REQUEST FOR CONSTRUCTION BIDS
IVES HALL REMODELING (contd)**

BE IT RESOLVED, That the President and/or Vice President for Business and Administration be authorized, in accordance with established University procedures, to select a qualified architectural/engineering firm for this project, to request construction bids on this project, and if satisfactory bids are received, to award the necessary contracts, with all actions to be reported to this Board at the appropriate time.

Upon motion of Mr. Teaford, seconded by Mr. Barone, 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
NEIL AND 17TH BUILDING IMPROVEMENTS**

Resolution No. 87-51

Synopsis: Authorization to employ an architectural/engineering firm and request construction bids is proposed.

WHEREAS to accommodate students being transferred from West Campus, additional classrooms are needed on the central campus; and

WHEREAS this project will modify the Neil and 17th Building for classroom usage and will include installation of walls to divide rooms, chalkboards and projection screens, a stairwell, and restrooms; and

WHEREAS \$300,000 will be made available from University funds, of which \$250,000 is estimated for construction:

NOW THEREFORE

BE IT RESOLVED, That the President and/or Vice President for Business and Administration be authorized, in accordance with established University procedures, to select a qualified architectural/engineering firm for this project, to request construction bids on this project, and if satisfactory bids are received, to award the necessary contracts, with all actions to be reported to this Board at the appropriate time.

Upon motion of Mr. Teaford, seconded by Mr. Barone, 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
WOSU-AM NIGHTTIME TRANSMITTER PARK**

Resolution No. 87-52

Synopsis: Authorization to employ an architectural/engineering firm and request construction bids is proposed.

November 7, 1986 meeting, Board of Trustees

**EMPLOYMENT OF ARCHITECT/ENGINEER AND
REQUEST FOR CONSTRUCTION BIDS
WOSU-AM NIGHTTIME TRANSMITTER PARK (contd)**

WHEREAS this project will provide for the construction of night broadcasting facilities, including an array of six antenna and an operations building, for WOSU-AM, which facilities also could be used to broadcast during the day should the regular daytime transmitter fail; and

WHEREAS \$760,000 will be made available for this project from University funds, of which \$450,100 is estimated for construction, \$207,100 for moveable equipment, and \$102,800 for engineering and architectural fees and contingencies:

NOW THEREFORE

BE IT RESOLVED, That the President and/or Vice President for Business and Administration be authorized, in accordance with established University procedures, to select a qualified architectural/engineering firm for this project, to request construction bids on this project, and if satisfactory bids are received, to award the necessary contracts, with all actions to be reported to this Board at the appropriate time.

Upon motion of Mrs. Bowser, seconded by Mr. Barone, 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. 87-53

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, 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:

WATER DISTRIBUTION IMPROVEMENTS

Description: This project involves the improvement to the water distribution system in the areas of the central campus and Don Scott Field by extending a 20" water main around the perimeter of the campus which will improve water flow and pressure. The installation of mains in the Don Scott area will distribute city water to various areas now supplied by wells. Construction is scheduled to begin in the Spring of 1987 and be completed within eighteen months.

General Contract

Date Received: August 26, 1986

No. of Bids: 4

November 7, 1986 meeting, Board of Trustees

REPORT OF AWARD OF CONTRACTS AND
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)

WATER DISTRIBUTION IMPROVEMENTS (contd)

General Contract (contd)

Low Bid:	\$1,542,986.89*
High Bid:	\$1,749,361.88*
Estimate of Cost:	\$1,479,939.00*
Awarded to:	Concrete Construction Co., Columbus, OH
Total All Contracts:	\$1,542,986.89*
Total Contingency Allowance:	\$ 98,404.28 (which is 6 percent of construction costs)
Total Project Cost:	\$1,790,000.00*
Funding:	HB 552 (Planning); HB 798 (Construction); SB 348 (Reappropriation of HB 798) and University funds

*Recommended alternates reflected in these figures.

LIMA TECHNICAL COLLEGE - CLASSROOM ADDITION

Description: This project involving Lima Technical College in cooperation with the Lima Regional Campus of The Ohio State University provides for the construction of a classroom addition, and the remodeling of the Technical Education Laboratory building at the Lima Technical College. Construction is expected to begin in December 1986 and be completed December 1987.

General Contract

Date Received:	September 25, 1986
No. of Bids:	3
Low Bid:	\$ 592,783.00*
High Bid:	\$ 664,367.00*
Estimate of Cost:	\$ 817,454.00*
Awarded to:	Schnippel Construction Inc., Botkins, OH

Plumbing Contract

Date Received:	September 25, 1986
No. of Bids:	2

*Recommended alternates reflected in these figures.

November 7, 1986 meeting, Board of Trustees

REPORT OF AWARD OF CONTRACTS AND
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)

LIMA TECHNICAL COLLEGE - CLASSROOM ADDITION (contd)

Plumbing Contract (contd)

Low Bid:	\$ 68,000.00*+
High Bid:	\$ 75,586.00*
Estimate of Cost:	\$ 56,300.00*
Awarded to:	Smith-Bougham, Inc., Lima, OH

HVAC Contract

Date Received:	September 25, 1986
No. of Bids:	3
Low Bid:	\$ 158,520.00*
High Bid:	\$ 181,090.00*
Estimate of Cost:	\$ 164,630.00*
Awarded to:	Smith-Bougham, Inc., Lima, OH

Electric Contract

Date Received:	September 25, 1986
No. of Bids:	4
Low Bid:	\$ 134,960.00*
High Bid:	\$ 149,525.00*
Estimate of Cost:	\$ 156,975.00*
Awarded to:	Kaduk Electric Inc., Hicksville, OH

Total All Contracts:	\$ 954,263.00*
Total Contingency Allowance:	\$ 47,873.65 (which is 5 percent of construction costs)
Total Moveable Equipment	\$ 75,000.00
Total Project Cost:	\$1,200,000.00*
Funding:	HB 798; SB 348 and University Funds

*Recommended alternates reflected in these figures.

+Plumbing Contract is in excess of filed estimate of cost; however, the total price of all contracts is within 10% of the total estimate of cost and is recommended for award as provided by Section 153.12 of the Revised Code.

November 7, 1986 meeting, Board of Trustees

REPORT OF AWARD OF CONTRACTS AND
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)

UNIVERSITY AIRPORT RENOVATIONS

Description: This project provides for the widening and overlaying of Taxiway B, relocating the threshold of Runway 23; and the construction of a parallel taxiway complete with lighting and guidance system for Runway 5-23. Construction is scheduled to begin December 1986 and be completed September 1987.

General Contract

Date Received:	September 30, 1986
No. of Bids:	3
Low Bid:	\$ 663,846.55*
High Bid:	\$ 829,184.80*
Estimate of Cost:	\$ 733,660.00*
Awarded to:	Central Ohio Asphalt, Hilliard, OH

Electric Contract

Date Received:	September 30, 1986
No. of Bids:	3
Low Bid:	\$ 170,517.27*
High Bid:	\$ 255,401.78*
Estimate of Cost:	\$ 224,489.00*
Awarded to:	Jess Howard Electric, Blacklick, OH

Total All Contracts: \$ 834,363.82*

Total Contingency Allowance: \$ 50,267.39 (which is 6 percent of construction costs)

Total Project Cost: \$1,053,800.00*

Funding: FAA Grants and University Funds

*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 projects listed above are hereby approved.

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

November 7, 1986 meeting, Board of Trustees

**IMPROVEMENTS IN MAJOR MEDICAL AND
VISION PROGRAM BENEFITS**

Resolution No. 87-54

Synopsis: Improvements in the major medical and vision program benefits are proposed.

WHEREAS the Board of Trustees in previous resolutions has awarded the coverage and subsequent improvements of the major medical program to the John Hancock Mutual Life Insurance Company and the vision program to Community Mutual Insurance Company; and

WHEREAS the Faculty Compensation and Benefits Committee along with other appropriate University offices has made a comparative analysis of the programs' components, and based on this review has recommended improvements to these programs:

NOW THEREFORE

BE IT RESOLVED, That the outpatient nervous and mental benefit of the major medical coverage for the conventional program and the University's Alternative Health Plan out-of-network benefits be improved from 80% of the first \$500 after applying the deductible to 80% of the first \$1200 after applying the deductible. The estimated annual cost of this improvement to the University is \$122,400. The vision program benefits be improved as follows:

	<u>Present</u>	<u>New</u>
Examination	\$ 25.00	\$ 30.00
Single Vision Lenses	30.00	45.00
Bifocals	40.00	70.00
Trifocals	60.00	70.00
Lenticular	100.00	100.00
Contact Lenses (if medically necessary)	160.00	100.00
Frames	25.00	30.00

The benefit frequency will remain at once every 24 months. The benefit may apply once every 12 months, if medically necessary, for individuals with the following medical conditions: myopia and esotropia for children, glaucoma and cataracts for adults.

The estimated annual cost of these benefit improvements to the University is \$53,067; the faculty/staff will pay the additional premium for their dependents; and

BE IT FURTHER RESOLVED, That effective January 1, 1987, the above benefit improvements be implemented under the group policies as underwritten by John Hancock Mutual Life Insurance Company and Community Mutual Insurance Company.

November 7, 1986 meeting, Board of Trustees

**IMPROVEMENTS IN MAJOR MEDICAL AND
VISION PROGRAM BENEFITS (contd)**

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

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REPORT - UNIVERSITY'S INVESTMENT PORTFOLIO

Resolution No. 87-55

RESOLVED, That the report on the University's Investment Portfolio, dated October 17, 1986, 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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**FIRST QUARTER REPORT -
1986-87 CURRENT FUNDS BUDGET**

Resolution No. 87-56

RESOLVED, That the first quarter report on the 1986-87 Current Funds Budget, dated November 7, 1986, 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 4, 1986, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, at 6:30 p.m.

Attest:

Madison H. Scott
Secretary

Daniel M. Galbreath
Chairman

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APPENDIX II

Degrees Conferred at

**THE OHIO STATE UNIVERSITY
COMMENCEMENT CONVOCATION**

December 12, 1986

Commencement Speaker

Mary L. Good

Mary L. Good is president of Engineered Materials Research for Allied-Signal, Inc., an advanced technology company whose primary businesses are in aerospace/electronics, automotive, and engineered materials. She is also president-elect of the American Chemical Society, the world's largest professional scientific organization devoted to a single discipline. Her professional activities have encompassed both academic and industrial scientific research and have included a continuing role in science policy at the national level.

A Texan by birth, Good grew up and was educated in Arkansas. After receiving a Ph.D. in inorganic chemistry from the University of Arkansas at Fayetteville in 1954, she began a career of teaching and research in chemistry and materials science with the Louisiana State University System and the University of New Orleans. Good moved into industry in 1980, becoming vice president and director of research at UOP, a company well known in the industry for its oil and gas processing technology.

Good's activities in science policy include service on the National Science Board and on several National Academy of Science panels and government advisory committees. Her service in other professional organizations includes five years as president of the Inorganic Division of the International Union of Pure and Applied Chemistry.

Good also has been active in the community, contributing service to such organizations as Zonta International, in which she serves as chair of the Amelia Earhart Awards Committee, and as a member of the Chicago Network. She is a member of the board of trustees of the Rensselaer Polytechnic Institute in Troy, New York, and of the board of directors of the Industrial Research Institute.

She was elected a fellow of the American Association for the Advancement of Science in 1986 and has received honorary doctoral degrees from the University of Arkansas, the University of Illinois-Chicago, and Clarkson University. The University is proud to welcome this very distinguished member of the scientific world to our campus today.

Recipients of Honors

Frederick J. Doyle Doctor of Science

Frederick J. Doyle is currently the senior advisor for cartography at the National Mapping Division of the U.S. Geological Survey in Reston, Virginia. He plans, directs, and performs research on aircraft and space sensors and ground processing systems for the National Mapping Program. He also is an adjunct professor of photogrammetry at George Washington University and Virginia Polytechnic Institute and State University. Prior to joining the survey in 1967, Doyle was an assistant professor of photogrammetry and first chairperson of the Department of Geodetic Science at Ohio State.

Born in Oak Park, Illinois, Doyle received his bachelor's degree in civil engineering *summa cum laude* in 1951. He studied at the International Training Centre for Aerial Survey in Delft, Netherlands, on a Fulbright Fellowship and did graduate work in mathematics at Ohio State and in astronomy at Georgetown University.

In recent years, Doyle's primary concerns have been the applications of satellites to reconnaissance and mapping. He was chairperson of the Apollo Orbital Science Photographic Team and received the NASA medal for exceptional scientific achievement for his work in lunar mapping. One of Doyle's most significant accomplishments was his work with the large format camera that was first flown on October 5, 1984, on Space Shuttle Mission STS-41-G, reflecting 20 years of research. Over 2,000 pictures were received by the world's mapping community, marking the first time that space photography suitable for maps was obtained for civilian purposes.

His scientific and leadership qualities have been recognized nationally and internationally by his election as president and honorary life member of the American Society of Photogrammetry and his service as secretary general and president of the International Society of Photogrammetry and Remote Sensing.

Doyle has received Meritorious and Distinguished Service Awards from the Department of the Interior, and an honorary Doctor of Engineering degree from the Technical University of Hannover, Federal Republic of Germany. The Ohio State University is delighted to recognize this very distinguished scientist, teacher, researcher, administrator, and former faculty member.

Arthur E. Adams Distinguished Service Award

Since 1970, when he joined Ohio State as the second dean of the College of Humanities, Arthur E. Adams has epitomized the outstanding service that helps to make Ohio State the institution it is today. Coming to Ohio State from Michigan State, Adams brought with him the ideals of liberal education, serious scholarship, and the notion of responsible faculty governance.

Under Adam's seven-year leadership, the College of Humanities nurtured and expanded departments in a time of difficult growth and change. Under his leadership, the Department of Black Studies and the Center for Comparative Studies were established. During his time, Adams was also a professor in the Department of History and continued to work on his own scholarly activities outside the University. These activities included membership on the Accreditation Commission of the American Council on Higher Education, the Board for Radio Free Europe/Radio Liberty, and the Midwestern Universities Consortium for International Activities.

Adams helped bring the University Senate, the governing body of the Ohio State faculty, into being during the early 1970s. Adams also contributed substantially to the development of the Office of Continuing Education, serving as vice provost from 1978-82 and expanding opportunities for education to non-traditional students. From 1982-84 he served as a special assistant to the president and the vice president for research and graduate studies, working toward the development of The Ohio State University Research Park. Adams retired from the University as professor emeritus of history in 1984.

Adams has served on many councils and committees within the University, and has published several books and numerous articles. He has traveled extensively in Europe and the USSR, attending many conferences with government and academic participants. Ohio State is grateful for his many years of dedication to academia and is pleased to extend this honor to him.

Recipients of Honors

Paul G. Craig Distinguished Service Award

Paul G. Craig is professor emeritus of public administration and economics at Ohio State. He served as a faculty member from 1951-70 and from 1972 until his retirement in 1980. Since then he has worked as a consultant in economic forecasting, regional economic analysis and financial analysis for banks, insurance companies, and government.

A native of Middletown, Craig received his bachelor's degree from Otterbein College and his master's and Ph.D. degrees in economics from Ohio State. He served as chairperson of the Department of Economics, as the first dean of the College of Social and Behavioral Sciences, and as the chairperson of the Coordinating Council of Deans for the Colleges of the Arts and Sciences.

Craig was a Ford Foundation Post-Doctoral Fellow in the Institute of Basic Mathematics for Application to Business at Harvard University. He is a member of Beta Gamma Sigma and Phi Beta Kappa. During his career at Ohio State, Craig developed the managerial economics course in the Executive Development Program. He also served on the Faculty Council and was president of the Faculty Club.

He has several civic and professional activities to his credit, including chairperson of the Advisory Committee for Economic Development for the Columbus Area Chamber of Commerce; member of the Ohio Citizens Council for Health and Welfare; member of the Universities Committee of the National Bureau of Economic Research; and trustee of Otterbein College. Craig's long years of service to the fields of economics, public administration, and higher education for business, and to Ohio State uniquely qualify him for this award.

Weldon A. Kefauver Distinguished Service Award

For twenty-six years Weldon A. Kefauver served Ohio State and the publishing world with special distinction as director of The Ohio State University Press. Under his leadership, the University Press has become one of the most well-respected academic presses in the country. Now director emeritus, Kefauver developed a series of publications in the humanities, social sciences, legal studies, and education.

Kefauver is responsible for the University Press' publication of Helen Hooven Santmyer's bestselling book . . . *And Ladies of the Club*,—a book which sold more copies than any other book originally published by a university press. He is well known for his ability to work with authors and editorial boards, for his high standards of excellence, and for nurturing young authors in the development of their work.

Kefauver has been recognized many times by his publishing peers. He has served on the board of directors and as president of the American Association of University Presses and has attended the Asian Conference on Publishing. He has often contributed to *Editor, Author, and Publisher* and has edited *Scholars and Their Publishers*.

He is the recipient of the Association of American University Presses Golden Fluke Award, the Association's Medal in 1984, the Johns Hopkins University Press Centennial Medal, a Citation from the Ohioana Library Association, and The Ohio State University Centennial Service Award.

Kefauver is an alumnus of The Ohio State University, a member of the Society of Scholarly Publishing, the Nathaniel Hawthorne Society, and the Association of American University Professors. He has instituted a great tradition of excellence for The Ohio State University Press. In recognition of his many years of outstanding dedication, Ohio State is pleased to present him with the Distinguished Service Award.

The Graduate School

Dean: Roy A. Koenigsnecht

Doctor of Musical Arts

James Edward Lucas, Bartlesville, OK; B.S. (Roberts Wesleyan College); M.M. (Butler University); *Music*
Dr. Marshall H. Barnes

Doctor of Philosophy

Sanjeev Agarwal, Ghaziabad, U.P., India; B.E. (University of Roorkee); M.S. (University of California); M.A.; *Business Administration*
Dr. Lee C. Nehrt

Hezkihah Aharoni, Bexley; B.S. (Youngstown State University); M.A., M.A.; *Health, Physical Education and Recreation*
Dr. Seymour Kleinman

Abdulrahman A.M. Al-Attibi, Riyadh, Saudi Arabia; B.A. (King Saud University); M.A. (Denver University); *Communication*

Dr. Donald J. Cegala, Dr. James Golden

Ahmed A.G. Alghamedy, Saudi Arabia; B.S. (Southern Colorado University); M.A. (Adams State College); *Art Education*
Dr. Kenneth Marantz

Barbara Jane Boyd Ambrose, Columbus; B.S. (Allegheny College); *Chemistry*
Dr. Reynaldo C. Pless

Hussein Yousry Amin, Cairo, Egypt; B.A., M.A. (Helwan University); *Education*
Dr. I. Keith Tyler, Dr. Elsie J. Alberty

George Philip Anderson III, Springfield; B.S.; *Biochemistry*
Dr. Elizabeth L. Gross

Lucille Marilyn May Kriger d'Amorim Antony, Manaus, Amazonas, Brazil; B.Sc. (Universidade Federal do Amazonas); M.S.; *Entomology*
Dr. Donald E. Johnston

Jeffrey Joseph Ares, Gardner, MA; B.S. (University of Rhode Island); *Pharmacy*
Dr. Duane D. Miller

Mark Alan Baich, Burbank, IL; B.S. (University of Illinois Chicago Circle); M.S.; *Chemical Engineering*
Dr. Duane R. Skidmore

Deborah Louise Bainer, Dover; B.S. (Geneva College); M.S.; *Education*
Dr. Donald R. Cruickshank

James J. Baker, Carrboro, NC; B.S.Ed., M.A.; *Health, Physical Education and Recreation*
Dr. Robert L. Bartles

Carl W. Bergmann, Crystal River, FL; B.S. (State University of New York at Stony Brook); *Chemistry*
Dr. Derek Horton

Lloyd Patrick Blenman, Georgetown, Guyana; B.S. (University of Guyana); M.A. (University of Western Ontario); *Economics*
Dr. J. Huston McCulloch

Jorge Avelino Brea-Porteiro, Montevideo, Uruguay; B.A. (University of Pittsburgh); M.A. (University of Maryland); *Geography*
Dr. Lawrence A. Brown

Duane Everett Bright, Colorado Springs, CO; B.S., M.A. (University of Wisconsin-Milwaukee); *Education*
Dr. Gilbert A. Jarvis

Helmut Josef Buchner, Bonn, Federal Republic of Germany; Ing.Grad. (Fachhochschule Koln); M.S.; *Electrical Engineering*
Dr. Hooshang Hemami

Karen Ann Callaghan, Columbus; B.A. (LaSalle College); M.A.; *Sociology*
Dr. Alfred C. Clarke

Dennis Edwin Campbell, Beaver Creek; B.S. (Commerce University of Alabama); M.B.A. (Clark University); *Education*
Dr. William D. Dowling

Arnon Chait, Ramat-Gan, Israel; B.S., M.S., M.B.A.; *Mechanical Engineering*
Dr. Seppo A. Korpela

Chi-Yu Chen, Taiwan, R.O.C.; B.S. (Tungshai University); M.S.; *Chemical Engineering*
Dr. Duane R. Skidmore

Chung-Pin Chen, Taipei, Taiwan, R.O.C.; B.S. (Soochow University); M.S. (National Tsing Hua University); *Chemistry*
Dr. John S. Swenton

Ikguen Choi, Seoul, South Korea; B.S., M.S. (Seoul National University); *Electrical Engineering*
Dr. Prabhakar H. Pathak

Pongpan Chuatong, Chiangrai, Thailand; B.S. (Kasetsart University); M.Ed. (University of Hawaii); *Agricultural Education*
Dr. J. Robert Warmbrod

Melissa Moorhead Conrath, Marion; B.A. (Ohio Wesleyan University); M.S. (Bowling Green State University); *Education*
Dr. Patricia E. Blosser

Aida Apter Cragnolino, Port Jefferson, NY; Lawyer (Universidad de Buenos Aires); M.A.; *Romance Languages and Literatures*
Dr. Grmor Rojo

Kerry John Cramer, Worthington; B.S., B.S.Ed., M.Ed. (Indiana University of Pennsylvania); M.A.; *Education*
Dr. James E. Kerber

Inez Weekley Curry, Ripley, WV; B.A. (Salem College); M.A.; *Education*
Dr. Frank Zidonis

Jay B. Dean, Mason, MI; B.S. (Central Michigan University); M.S. (Michigan Technological University); *M.S.; Physiology*
Dr. Jack A. Boulant

James Patrick DeLany, Columbus; B.S., M.S.; *Home Economics*
Dr. Virginia M. Vivian

James Steven Dingman, Columbus; B.S. (Old Dominion University); M.S.; *Civil Engineering*
Dr. Keith W. Bedford

Barnabas Manene Dlamini, Manzini, Swaziland; B.S. (University of the Philippines at Los Banos); M.S. (West Virginia University); *Agricultural Education*
Dr. Larry E. Miller

Theoclair Barrett Duckworth, Slidell, LA; B.S. (Southern University); M.Mus.Ed. (Vandercook College); *Education*
Dr. William Moore, Jr.

Lynnette Frances Rae Embrey, Perth, Australia; Dip.P.E. (University of Melbourne); B.Ed., M.P.E. (University of Western Australia); M.Ed. (Murdoch University); *Health, Physical Education and Recreation*
Dr. Daryl L. Siedentop

Larry W. Emmelhainz, Columbus; B.S.Bus.Adm.; M.S. (Air Force Institute of Technology); *Business Administration*
Dr. Bernard J. LaLonde

Joanne Jocha Ervin, Dayton; B.S.Ed., M.A.; *Communication*
Dr. Victor Wall

Michael Erwin Everson, Oak Park, IL; B.A. (University of Wisconsin); M.A. (University of Hawaii); *Education*
Dr. Gilbert A. Jarvis

Ann Miller Fadley, Columbus; B.A., M.A.; *English*
Dr. David O. Frantz

Ying-Hui Fu, Taiwan, R.O.C.; B.S. (National Chung-Hsing University); *Biochemistry*
Dr. George A. Marzluf

Genetta Ann Gardner, Cincinnati; B.A. (Wright State University); M.A.; *History of Art*
Dr. Francis L. Richardson

Hilary Tony Godard, Dobbs Ferry, NY; B.S., M.S. (University of Virginia); *Ceramic Engineering*
Dr. Katherine T. Faber

J. June Wilson Goll, Tallahassee, FL; B.S., M.S. (Kansas State University); M.S. (Kansas State University Emporia); *Home Economics*
Dr. Lois E. Dickey

David Joseph-Anton Gonsalvez, Trivandrum, Kerala, India; B.Tech (Indian Institute of Technology, Madras); M.S.; *Industrial and Systems Engineering*
Dr. Clark A. Mount-Campbell

Alberto Gonzalez, Fremont; B.S. (Bowling Green State University); M.A.; *Communication*
Dr. John J. Makay

Terry Suzanne Goodrick, West Lafayette, IN; B.A. (Earlham College); M.A.; *Psychology*
Dr. Philip M. Clark

Kathy Cameron Graham, Walterboro, SC; B.S. (Winthrop College); M.A.T. (University of South Carolina); *Health, Physical Education and Recreation*
Dr. Daryl L. Siedentop

Debra Sue Gross, Northampton, MA; B.A. (University of Michigan); M.C.R.P., M.A.; *Political Science*
Dr. Randall B. Ripley

Sarry Fouad Habiby, Beirut, Lebanon; B.S. (Oklahoma State University); M.S.; *Electrical Engineering*
Dr. Stuart A. Collins

Jack Charles Hall, Wilmington, NC; B.S. (Grand Valley State College); M.S. (University of North Carolina); *Geology and Mineralogy*
Dr. Stig M. Bergstrom

Mary Sayer Hammond, Athens, GA; B.F.A., Ed.S., M.F.A. (University of Georgia); *Art Education*
Dr. Kenneth A. Marantz

Felton Martin Hankins, Warren, AR; B.A., M.A. (University of Arkansas); *Sociology*
Dr. Kent Schwirian

Penelope Hanstein, Denton, TX; B.A. (Arizona State University); M.F.A. (University of California); *Art Education*
Dr. Arthur D. Efland

Israel Harari, Haifa, Israel; B.A. (University of Haifa); M.A.; *Health, Physical Education and Recreation*
Dr. Daryl L. Siedentop

Patrick John Harsch, Columbus; B.S. (Northern Michigan University); M.S. (Central Michigan University); *Health, Physical Education and Recreation*
Dr. Robert Kaplan

Jeffrey Scott Hatfield, West Chester; B.A., M.S. (Miami University); M.Appl.Stat.; *Biostatistics*
Dr. Peter L. Chesson

Yu He, Tianjin, P.R.C.; B.S. (University of Science and Technology of China); *Physics*
Dr. Ciriyan Jayaprakash

William Henry Hochstetler III, Worthington; B.S. (Washington University); M.S. (Pennsylvania State University); *Computer and Information Science*
Dr. Jayashree Ramanathan

David Renwick Houck, Fanwood, NJ; B.S. (Alma College); M.S. (Purdue University); *Chemistry*
Dr. Heinz G. Floss

Sally Georgette Hoyle, Laurel, MD; B.A. (Brandeis University); M.A.; *Psychology*
Dr. Felicisima C. Serafica

Muhammad Am Islam, Cairo, Egypt; B.Sc. (Cairo University); M.S.; *Bio-Medical Engineering*
Dr. Herman R. Weed

Porn Paul Israngkun, Bangkok, Thailand; B.S. (Saint Martin's College); M.S. (Washington State University); M.S. (Youngstown State University); *Pathology*
Dr. Howard A. Newman

Chwu-Ching Hwang Jan, Taipei, Taiwan, R.O.C.; B.S. (National Cheng-Kung University); *Chemistry*
Dr. Richard L. McCreery

Beverly Ann Jensen, Ida Grove, IA; B.S.Ed., M.S. (Iowa State University); *Home Economics*
Dr. Sharon Redick

Mitzi M.S. Johnson, Columbus; B.A. (University of Kansas, Lawrence); M.A.; *Psychology*
Dr. Anthony G. Greenwald

James Benjamin Jones, Powell; B.M.E. (University of Louisville); M.A.; *Education*
Dr. Luvern Cunningham

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Dr. John A. Lott

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Dr. Thomas Byers

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Dr. David L. Moffatt

Young Min Kim, Seoul, South Korea; B.S. (Seoul National University); M.S. (Korea Advanced Institute of Science and Technology); *Electrical Engineering*
Dr. James G. Gottling

Edith Cordelia Kirk, Urbancrest; B.A. (University of South Africa); M.A.; M.S.; *Social Work*
Dr. Keith M. Kilty

Susan Frances Kobs, Cadillac, MI; B.S. (Central Michigan University); *Biochemistry*
Dr. Edward J. Behrman

Robert Stephen Koss, Youngstown; B.S. (Youngstown State University); M.S.; *Physics*
Dr. David G. Stroud

Si-Cheng Kung, Taiwan, R.O.C.; B.S. (National Cheng Kung University); M.S.; *Metallurgical Engineering*
Dr. Robert A. Rapp

Marie Helena Kurmann, Menznau, Lucern, Switzerland; Dipl.Natw.ETH (Swiss Federal Institute of Technology); M.S. (Kansas State University of Agriculture and Applied Science); *Botany*
Dr. William A. Jensen

Victoria Anne Lawson, Columbus; B.A. (Leicester University); M.A.; *Geography*
Dr. Lawrence A. Brown

Kai Mon Lee, Kluang, Johor, Malaysia; B.Tech. (University of Bradford); M.Sc. (The University of British Columbia); *Chemistry*
Dr. Alan G. Marshall

Sam Lai Lee, Seoul, South Korea; B.S. (Han-Yang University); M.S. (Brunel University); *Engineering Mechanics*
Dr. June K. Lee, Dr. D. J. Unger

Yein-Ming Leo Lee, Taipei-Hsien, Taiwan, R.O.C.; B.S. (National Taiwan University); M.S.; *Chemical Engineering*
Dr. Ly J. Lee

Yung-Huei Lee, Tamshui, Taipei, R.O.C.; B.S. (National Chiao Tung University); M.S.; *Electrical Engineering*
Dr. James G. Gottling

Bradley Thomas Lepper, Hudson; B.A. (University of New Mexico); M.A.; *Anthropology*
Dr. William S. Dancy

Jeanne Marie Lilly-Weber, West Falls, NY; B.A. (Saint Bonaventure University); M.A.; *Psychology*
Dr. Richard K. Russell

Yong-Long Calvin Ling, Taipei, Taiwan, R.O.C.; B.S. (Fu-jen Catholic University); M.S.; *Electrical Engineering*
Dr. Karl W. Olson

Michael Jay Littman, Fall River, MA; B.A. (University of Massachusetts at Amherst); M.Ed. (Auburn University); *Vocational Education, Comprehensive Program*
Dr. Thomas R. White

Patrick James Mannix, Cleveland; B.A., M.A. (John Carroll University); *English*
Dr. Edward P. Corbett

Claudette McFadden-Preston, Baltimore, MD; B.A. (Morgan State College); M.A.; *Communication*
Dr. John J. Makay

Jane A. Molinaro, Frazer, PA; A.B. (Immaculata College); M.Sci.Ed. (Virginia State University); *Education*
Dr. Robert W. Howe

- Matthew John Morra**, Wooster, B.A. (The College of Wooster); M.S. (Duke University); *Agronomy*
Dr. Warren A. Dick
- James T. Moser**, Lexington, KY; B.S. (Virginia Commonwealth University); *Business Administration*
Dr. Edward J. Kane
- Ujjanagouda B. Nandihalli**, Sidenur, Karnataka, India; B.Sc. (University of Agricultural Sciences); M.Sc. (G.B. Pant University); *Agronomy*
Dr. Leo E. Benâixen
- Linda Sue Neff**, Columbus; B.S. (Ohio University); M.S.; *Education*
Dr. Marlin Languis
- Amy Jane Nelson**, Philadelphia, PA; B.A. (Dartmouth College); *Botany*
Dr. Michael L. Evans
- Jennie Lee Nickel**, Chillicothe; B.S. (Berea College); M.S. (University of Kentucky); *Preventive Medicine*
Dr. Thomas N. Chirikos
- Maria Jose Demoura Brit Nobre**, Lisbon, Portugal; Curso Superior de Pia (Conservatorio Nacional-Lisbon, Portugal); Cours d'Ondes Marten (Conservatoire National Supérieur de Musique de Paris); *Art Education*
Dr. Kenneth Marantz
- Bülent Önay**, Izmir, Turkey; B.S. (Middle East Technical University); M.S.; *Metallurgical Engineering*
Dr. Robert A. Rapp
- Satish Krishnamurth Pejaver**, Bangalore, Karnataka, India; B.Pharm., M.Pharm. (Government College of Pharmacy); *Pharmacy*
Dr. Robert E. Notari
- Carl Wilhelm Irene Pistorius**, Pretoria, Republic of South Africa; B.S., B.Eng. (University of Pretoria); M.S.; *Electrical Engineering*
Dr. Walter D. Burnside
- Ronald Lee Powell**, Delaware; B.S., M.S.; *Agricultural Education*
Dr. L. H. Newcomb
- Martha C. Rader**, Ponte Vedra Beach, FL; B.S., M.S.; *Education*
Dr. Robert R. Bargar
- Peter Carl Ratsep**, Port Murray, NJ; B.S. (Fairleigh Dickinson University); *Chemistry*
Dr. Reynaldo C. Pless
- Robin Allison Reed**, Satellite Beach, FL; B.A. (Ohio Wesleyan University); M.A.; *Psychology*
Dr. Samuel H. Osipow
- Toni Reed**, Columbus; B.A., M.A.; *English*
Dr. Daniel R. Barnes
- Edward M. Reeve**, Parma, B.S., M.A.; *Education*
Dr. James J. Buffer, Jr.
- Donald Lee Reynolds**, Doylestown; B.S.Agr., D.V.M.; *Poultry Science*
Dr. Yehai M. Saif
- Helen Davis Rodebaugh**, Garden City, KS; B.S., M.S., Ed.S. (Fort Hayes State University); *Education*
Dr. Joseph J. Quaranta
- Randall Lee Rose**, Columbus; B.A., M.B.A. (University of Tennessee); *Business Administration*
Dr. Peter R. Dickson
- Thomas John Rosol**, Columbus; B.S., D.V.M. (University of Illinois); *Veterinary Pathobiology*
Dr. Charles C. Capen
- Michael A. Ruizzo**, Magnolia, NJ; B.S. (Rutgers University); M.S.; *Horticulture*
Dr. Stanley F. Gorski
- Michael Thomas Rupp**, Scott City, KS; B.S. (University of Kansas); M.S.; *Pharmacy*
Dr. Dev S. Pathak
- Patricia Mary Ryan**, Columbus; B.A. (Ohio Dominican College); M.A.; *Education*
Dr. Nancy L. Zimpher
- Attila Sali**, Budapest, Hungary; B.A., M.S. (Eotvos University, Budapest); *Mathematics*
Dr. Eiichi Bannai
- Nada Rankovic Sanders**, Columbus; B.S. (Franklin University); M.B.A.; *Business Administration*
Dr. Larry P. Ritzman
- Ashraf Emâm-mm Seifeldin**, Cairo, Egypt; B.S. (Cairo University); M.B.A.; *Business Administration*
Dr. Lee C. Nehrt
- Abha Sharma**, Indore, India; B.Sc. (Indore University); M.Sc. (Indian Institute of Technology, Kanpur); *Statistics*
Dr. Douglas A. Wolfe
- Dah-Chung Shieh**, Nantou, Taiwan, R.O.C.; B.S. (National Cheng-Kung University); M.S. (University of Texas at El Paso); *Chemistry*
Dr. Prabir K. Dutta
- Jeffery Kent Springston**, Eaton, CO; B.A. (Colorado State University); M.A. (California State University at Los Angeles); *Communication*
Dr. Victor D. Wall
- Raymond George Stokes**, Marietta; B.A. (New College of the University of South Florida); M.A.; *History*
Dr. Alan D. Beyerchen
- Richard Emil Straub**, Dunmore, PA; B.A. (University of Miami); M.A. (Clemson University); *English*
Dr. Frank O'Hare
- Donald Raymond Swanson**, St. Paul, MN; B.S. (University of Minnesota); *Physics*
Dr. D. Edwards
- Atrayee Taneja**, Allahabad, U.P., India; B.Sc. (University of Allahabad); M.Appl.Stat., M.S.; *Statistics*
Dr. Douglas A. Wolfe
- Juipeng Andy Tang**, Tungshiao, Taiwan, R.O.C.; B.S. (National Taiwan University); M.S.; *Industrial and Systems Engineering*
Dr. Richard A. Miller
- Carol Sue Taylor**, Guthrie, OK; B.S. (Langston University); M.A.; *English*
Dr. Patrick B. Mullen
- Keith Dennis Trott**, Waltham, MA; A.S. (Clinton County Community College); M.S.E.E. (Syracuse University); *Electrical Engineering*
Dr. Prabhakar H. Pathak
- Koteswara Rao Vemuri**, Vijayawada, AP, India; B.Tech. (Indian Institute of Technology, Madras); M.S.; *Industrial and Systems Engineering*
Dr. Richard Allen Miller
- Josephine Waiters**, Charlotte, NC; B.S. (Winston-Salem State University); M.S. (University of North Carolina-Greensboro); *Vocational Education, Comprehensive Program*
Dr. Otto Santos, Jr.
- Liang-guo Wang**, Foochow, Fukien, P.R.C.; B.S. (Peking University); M.S.; *Physics*
Dr. Randall D. Knight
- Joseph Raymond Wermer**, Montpelier; B.A. (College of Wooster); M.S.; *Chemistry*
Dr. Sheldon G. Shore
- Sandra Kristine Whiston**, Bethlehem, PA; B.Mus. (Westminster Choir College); M.A.; *Music*
Dr. A. Peter Costanza
- Robert Emerson Widing II**, Columbus; B.A., M.B.A.; *Business Administration*
Dr. W. Wayne Talarzyk
- Ekanem C.W. Wokoma**, Calabar Cross River, Nigeria; B.S. (Ahmadu Bello University); M.S. (Washington State University); *Plant Pathology*
Dr. Michael O. Garraway
- Richard A. Wolfson**, New York, NY; B.S. (City College of New York); M.A.; *Education*
Dr. James J. Buffer, Jr.
- Daniel Phelps Woolesey**, Houghton, NY; B.A. (Houghton College); M.A. (Simmons College); *Education*
Dr. Charlotte S. Huck
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Dr. Ly J. Lee

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Dr. Simon Dinitz

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Dr. Fern E. Hunt

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- Cynthia Lee Snavelly**, Bucyrus; B.S.; *Education*
- William Joseph Somerlot**, Marion; B.S. (College of Wooster); M.A.; *Education*
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- Cassandra Monroe Stein**, Mansfield; B.A. (West Virginia Wesleyan College); *Education*
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- Aimee Lou Treadway**, Columbus; B.S.; *Education*
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- Chia-In Wang**, Taiwan, R.O.C.; B.A. (National Cheng Kung University); *Education*
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- Carl Richard Wechter**, Cleveland Heights; B.A. (Brooklyn College); M.A. (Miami University); M.C.R.P.; *Business Administration*
- William Joe Wheeler**, Wapakoneta; B.S.; *Education*
- Rhonda May Whewell**, Pawcatuck, CT; B.A. (Heidelberg College); *Journalism*
- Michele Jean Wigginton**, Columbus; B.S.Ed., B.S.Nat.Res.; *Journalism*
- Dennis James Willard**, Youngstown; B.A.; *Journalism*
- Brent Russell Wilson**, Lima; B.Mus.Ed.; *Music*
- Janice Kay Winkler**, Thomson, IL; B.Mus.Ed. (Illinois State University); *Music*
- Beverly Ann Winters**, Columbus; B.S.; *Education*
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- Shwu-Ching Young**, Taipei, Taiwan, R.O.C.; B.Ed. (Taiwan National College of Education); *Education*
- Enriqueta Zuniga**, Heredia, Costa Rica; Elementary Teacher D (Nacional Universidad); Teacher for Deaf (University of Costa Rica); *Education*
- Master of City and Regional Planning**
- Glenn P. Sabine**, San Diego, CA; B.A. (University of San Diego); *City and Regional Planning*
- Maw-Chang Yen**, Taiwan, R.O.C.; B.Arch. (Chung-Yuan University); M.Arch.; *City and Regional Planning*
- Master of Fine Arts**
- Roberta Diane Eichenberg**, Redlands, CA; B.A., M.A. (California State University, Chico); *Art*
- Mary Elizabeth Forker**, Columbus; B.F.A.; *Art*
- Philip Wayne Lamie**, Rensselaer, IN; B.F.A. (Herron School of Art/I.U.); *Art*
- Ileana Chua Lee**, Philippines; B.F.A. (The University of the Philippines); *Art*
- Michael John Letts**, Marquette, MI; B.F.A. (Northern Michigan University); *Art*
- Carl Michael Rodemer**, Columbus; B.A. (Michigan State University); M.A. (Pennsylvania State University); *Art*
- Karen A. Thayer**, Columbus; B.F.A. (Syracuse University); *Art*
- Yong Hong Zheng**, Columbus; B.A. (Northeast Normal University, China); *Art*
- Master of Health Administration**
- Linda Jo Brown**, Dublin; B.L.S. (Walsh College); *Hospital and Health Services Administration*
- Kurt George Kuppler**, Painesville; B.S. (University of Akron); *Hospital and Health Services Administration*

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Tracy Kairis Miller, Columbus; B.S. Bus. Adm.; *Labor and Human Resources*

Sheila Joan Rea, Columbus; B.A. (University of Illinois); *Labor and Human Resources*

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Master of Landscape Architecture

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Master of Liberal Studies

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Master of Science

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- Edward Leonard Kray III**, Keezletown, VA; B.S.E.E.; *Bio-Medical Engineering*
- Michael Norbert Kwasniewski**, Aurora, CO; B.S. (Colorado State University); *Microbiology*
- Alexander Joseph Lacalle**, Elizabeth, NJ; B.S.M.E.; *Mechanical Engineering*
- April Calhoun Lahm**, Worthington; B.S.Nat.Res.; *Natural Resources*
- Waiming Lawrence Lau**, Happy Valley, England; B.S. (University of Texas at Austin); *Engineering Mechanics*
- Oh-Young Lee**, Seoul, South Korea; B.S. (Yonsei University); *Civil Engineering*
- Shing-Chuan Lee**, Taipei, Taiwan, R.O.C.; B.S. (Fu-Jen Catholic University); *Home Economics*
- YenPhone Rock Lee**, Columbus; B.A. (National Taiwan University); M.A.; *Computer and Information Science*
- Sheila Diane Lehman**, Columbus; B.A. (Ohio Dominican College); Diploma (Grant Hospital School of Nursing); *Home Economics*
- David Alan Leiby**, Easton, PA; B.S. (Lafayette College); M.S. (Rutgers University); *Zoology*
- Wen-Lin Liao**, Hsin-Chu, Taiwan, R.O.C.; B.S. (Chung-Yuan University); *Industrial and Systems Engineering*
- Isabella Maria Lico**, Grosse Pointe Shores, MI; B.S. (University of Michigan, Ann Arbor); *Chemistry*
- Blaine W. Lilly, Jr.**, Hilliard, B.A., B.S.; *Mechanical Engineering*
- Chin Leong Lim**, Kuala Lumpur, Malaysia; B.S.; *Civil Engineering*
- Meily Lin**, Taipei, Taiwan, R.O.C.; B.S. (National Chengchi University); *Statistics*
- Brenda Kay Lord**, Galena; B.S.; *Geology and Mineralogy*
- Robert Micheal Lowry**, Columbus; B.S.; *Geology and Mineralogy*
- Jose Ricardo Macian**, Columbus; B.S.; *Electrical Engineering*
- Victor Lee Martin**, Orrville; B.S. (University of Akron); *Agronomy*
- Trudy Kindler Mason**, Columbus; B.S. (The American University); *Nursing*
- Philip Wayne Maxson**, Mt. Vernon; B.A. (Mount Vernon Nazarene College); *Computer and Information Science*
- Sheri Lynn McClarren**, Grove City; B.S.; *Natural Resources*
- James Kerwin McDowell**, Columbus; B.S.; *Chemical Engineering*
- Alma C. McPhatter**, Pickerington; B.S. (North Carolina A&T State University); *Computer and Information Science*
- Theresa M. Moon**, Columbus; B.S.; *Pharmacy*
- Susan Elaine Mowder**, Westerville; B.S. (Morehead State University); *Home Economics*
- Grant William Nelson**, Warren; B.S.M.E.; *Mechanical Engineering*
- Kenneth Patrick Nephew**, Cincinnati; B.S.; *Dairy Science*
- Enrico Nunziata**, Torino, Italy; B.S. (Politecnico di Torino); *Bio-Medical Engineering*
- Chao Ou-Yang**, Taiwan, R.O.C.; B.S. (Feng-Chia University); *Industrial and Systems Engineering*
- Panickos Neophitos Palettas**, Limassol, Cyprus; B.S. (University of Athens-Greece); *Statistics*
- Ellen Anne Patricia**, Oneida, NY; B.A. (Feng-Chia University); *Physiology*
- Debra Ann Penkalski**, Broadview Heights; B.S. (Miami University); *Mathematics*
- James Cecil Phillips**, Plain City; B.S.; *Agronomy*
- Daryl Thomas Poe**, Columbus; B.S.E.E., B.S.C.I.S.; *Computer and Information Science*
- Audrey L. Pope**, Cheyenne, WY; B.A. (Saint Cloud State University); *Geodetic Science and Surveying*
- Evan Baker Preston**, Columbus; B.S.; *Geodetic Science and Surveying*
- Aryono Prihandito**, Yogyakarta, Indonesia; B.S. (Gadjah Mada University); *Geodetic Science and Surveying*
- Suksan Prombanpong**, Bangkok, Thailand; B.S. (King Mongkut's Institute of Technology); *Industrial and Systems Engineering*
- Moh'd Subhi Khalil Qatu**, Jordan; B.S. (Yarmouk University); *Engineering Mechanics*
- Linda Hollar Raether**, Columbus; B.S. (Purdue University); *Genetics*
- Philip Alan Rasor, Jr.**, Upper Arlington; B.S.; *Civil Engineering*
- Ann Westbrook Reiners**, Mad River; B.I.E. (Georgia Institute of Technology); M.S.I.R. (Troy State University); *Industrial and Systems Engineering*
- Lynn Martha Retallack**, Columbus; B.S.M.E.; *Mechanical Engineering*
- Terry Dean Rings**, Columbus; B.S. (West Virginia University); *Bio-Medical Engineering*
- Jefferson G. Risner**, Minford; B.S.; *Electrical Engineering*

- Thomas Courtney Roberts**, Columbus; A.B. (Harvard University); *Pathology*
- Hans H. Rodriguez Schnackenberg**, Columbus; B.S. (California State University); *Electrical Engineering*
- Susan Lynn Rohrbough**, Cambridge; B.S. (Bowling Green State University); *Home Economics*
- Connie Sue Rowlands**, Worthington; B.S.N.; *Nursing*
- Obed Scott Sands**, Columbus; B.S.; *Electrical Engineering*
- Laura Ann Scanlan**, Vernon, NY; B.S. (University of Rochester); *Bio-Medical Engineering*
- John F. Scott**, Westerville; B.S.; *Mathematics*
- Karen Christine Scott**, Columbus; B.S.; *Poultry Science*
- Mary Carolyn Secrist**, Columbus; B.S.Nurs.; *Nursing*
- El Hassane Semlali**, Columbus; B.S. (Institute Agronomique et Veterinaire); *Geodetic Science and Surveying*
- Clifford C. Shang**, Huber Heights; B.S.E.E.; *Electrical Engineering*
- James Grady Sheek**, Dixon, MO; B.S. (University of Missouri-Rolla); *Ceramic Engineering*
- Daniel Joseph Sheridan**, Marion; B.S.; *Pharmacy*
- Susan Burkhart Shumar**, Canton; B.S.; *Nursing*
- Walter Wesonga Siganga**, Hyattsville, MD; B.S. (Howard University); *Pharmacy*
- Beverly J. Skiles**, Mansfield; B.S.Nurs.; *Nursing*
- John Edward Sohl**, St. Petersburg, FL; B.S. (University of West Florida); *Physics*
- Michael Solli**, Cleveland; B.S.; *Entomology*
- Kenneth John Stein**, Sheffield Lake; B.A. (University of Toledo); *Entomology*
- Scott Omer Stiving**, Lancaster; B.S.; *Bio-Medical Engineering*
- Joung Hyun Suh**, Seoul, South Korea; B.E. (Han Yang University); *Welding Engineering*
- Timothy Alan Taylor**, Newark; B.S.Ed.; *Natural Resources*
- Avraham Yaakov Teitz**, Bexley; B.S. (Rutgers University); *Horticulture*
- Pavithran Devadoss Thomas**, Madras, Tamil Nadu, India; B.Tech. (Indian Institute of Technology, Madras); *Mechanical Engineering*
- Eric Allen Thornton**, Midland; B.S.; *Agricultural Engineering*
- Mark Andrew Tirpack**, Campbell; B.E. (Youngstown State University); *Bio-Medical Engineering*
- Nengkuan Tu**, Taipei, Taiwan, R.O.C.; B.S. (Tsing Hua University, Taiwan); *Physics*
- Robert John Ulman**, Standardsville, VA; B.S. (Virginia Polytechnical Institute); *Electrical Engineering*
- Omer Cihad Vardan**, Istanbul, Turkey; B.S. (Istanbul Technical University); *Industrial and Systems Engineering*
- Randolph Vires**, Lorain; B.S.; *Computer and Information Science*
- Patricia Linda Vornberger**, Amherst, NH; B.S. (University of New Hampshire); *Geology and Mineralogy*
- Daniel Ray Wallem**, Issaquah, WA; B.S.Met.E. (University of Washington, Seattle); *Metallurgical Engineering*
- Bo-Wei Wang**, Taipei, Taiwan, R.O.C.; B.S. (Tunghai University); *Industrial and Systems Engineering*
- Wendy Adams Ware**, Columbus; B.Mus. (Westminster Choir College); D.V.M.; *Veterinary Clinical Sciences*
- Joseph Michael Watts**, Bridgeville, PA; B.S. (Pennsylvania State University); M.A. (University of Kentucky); *Geodetic Science and Surveying*
- Margaret Lou Wheeler**, Gallipolis; B.S.Nurs., M.S. (Ohio University); *Nursing*
- Julie Gail Wilkinson**, Dayton; B.S.; *Genetics*
- Christine K. Winkelmann**, Cleveland; B.S., M.A.; *Physiology*
- Christine Marie Wires**, Wooster; B.S.; *Mechanical Engineering*
- Ting-Kang Xia**, Peking, P.R.C.; B.S. (Peking University); *Physics*
- Master of Social Work**
- Donna Jean Robinson**, Sidney; B.S. (Kent State University); *Social Work*

Colleges of the Arts and Sciences

Chairman, Coordinating Council of Deans:
Andrew J. Broekema

Vice Provost for the Arts and Sciences:
Thomas A. Willke

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

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

Brent Louis Baker, Celina
Sallie Kate Bourne-Arnett, Columbus
Mary Ann Gillmore, Mentor
Paul Elek Kovach, Worthington
Krista Kaye Rave, Marion
Richard Craig Reese, Columbus
Denise Janeé Schneider, Beavercreek
George Edward Schwindt, Columbus
Anna Christine Scott, Westerville
Patricia Joann Simons, Detroit, MI
Cezarina Despina Toaxen, Cleveland

Bachelor of Fine Arts

James Michael Campbell, Lucasville
Mary Ann Fish, Columbus
Donna Fragapane, Broadview Heights
Karen Lisa Goldberg, Columbus
Michelle Matheus, Ashland
Nancy Ann Michaels, Seven Hills
William James Mounts, Fairlawn
Carla Knaus Napoli, Hamilton
Vincent Algene Smith, Canton
Mary Joan Visintine, Columbus
Eloise Gramly Watson, Mansfield
Wendy Ann Wright, Euclid
Jody Layne Wrinkle, Sunbury

Bachelor of Music

Theresa Ann Cincione, Columbus
Lora Jane Roberts, Columbus

Bachelor of Art Education¹

Judy Ann Lewis, Galion
Kristin Johanna Rainey Lott, Worthington
Susan Jane Pugh, Cincinnati

Bachelor of Art Education²

Dawn Marie Curlis, Dola
Valerie Long Donahue, Powell
Patricia Ann Landherr, Milford
Janet Sue Oberlin, Marysville
Wanda Oriana Sucheston, Columbus

Bachelor of Music Education²

Jeffrey Wayne Breitigam, Jenera
Theresa Ann Cincione, Columbus
Christie Carole Conrad, East Sparta
William Edwin Dilts, Ironsplot
Susan M. Gudakunst, Columbus
Lora Jane Roberts, Columbus

Bachelor of Science in Audio Recording

David Sutton Matthews, Oklahoma City, OK

Bachelor of Science in Industrial Design

Vincent Lee Haley, Columbus
Douglas Robert Zellman, Marysville

College of Biological Sciences

Dean: William A. Jensen

Bachelor of Science

Joni Gaye Gordon Barstow, Mt. Vernon
Stephen Carl Bell, Port Clinton
Scott Preston Bloom, Shadyside
Michael Joseph Crist, Columbus
John Stephen Current, Scio
Daniel Joseph Davis, Munhall, PA
Iraida Mariela Falcon, Caracas, Venezuela
Melanie Anne Haban, Columbus
Susan Lee Hall, Columbus
Tatiana Hrcan, Mansfield
Eugene Stanley Hulshult, Jr., Hamilton
Renee Elaine Ickes, Polk
Carin Reiko Ishida, Cincinnati
Christopher Jon Klein, Dublin
Gerald Francis Klimo, Richfield

¹Offered by the College of the Arts

²Offered by the College of the Arts and the College of Education

Ann Elizabeth Melick, Roseville
Susan Jane Patterson, Kettering
Lynda Marie Perry, Columbus
Pamela Jo Phillips, North Olmsted
Kimberly K. Shrider, Columbus
Danuta Maria Stanczak, Seven Hills
Sudha Swamy, Kettering
Karen Sue Tefend, Granville
Stephen Edward Timmons, Jr., Cincinnati
David Alvine Urbanic, Brooklyn
Joy Carol Yoakum, Ithaca, NY

College of Humanities

Dean: G. Micheal Riley

Bachelor of Arts

Charles Allen Baker, Jr., Westerville
David Dawes Bolon, Columbus
Thomas Morton Bond, Lucas
Jane Elizabeth Bruns, Upper Arlington
Matthew Edward Burns, Brunswick
Kelly Lynn Calabrese, Pittsburgh, PA
Julia Annette Cassidy, Dayton
Hester Dings, Delaware
Todd A. Farrell, Dayton
Brent William Fissell, Fulton
C. Michael Freeburn, Columbus
Amy A. Fusselman, Chagrin Falls
Michael P. Garapic, Columbus
Anne Marie Gibbs, Arlington Heights, IL
Brian Scot Hagen, Tipp City
Gail Darlene Hamilton, Columbus
Susan Louise Hinkle, Utica
Csaga Katalin Hovanyi, Stockholm, Sweden
William Eugene Hughes, Columbus
Jennifer Anne Johnson, Cleveland Heights
Danny Edmond Jones, Cincinnati
Konstantina Ann Juras, Columbus
Daniel Joseph Karl, Wooster
Marjorie Aileen Kellogg, Columbus
Lynnette Anne Krieger, Upper Arlington
Leslie Raye Kron, Cincinnati
Christopher Robert Kupec, Kirtland
Derek Alexander Mahin, Woodland Hills, CA
Kimberley Gale Moran, Columbus
Jeffrey Scott Plungis, Cincinnati
Naomi Ruth Radwin, Columbus
Paul Jabez Reeves, Canton
Jean Marie Rosen, Columbus
Jeff Stephen Semberger, Youngstown
Robert Hoffman Shanks, Hudson
Blaine Edward Smrekar, Columbus
John Richard Stauffenger, Jr., Alliance
Kerin Ann Thomas, Naperville, IL
Trenton Jones Thorson, Pataskala
Stephen Thomas Tribbie, Cambridge
William C. Waddell, Columbus

College of Mathematical and Physical Sciences

Dean: C. William Kern

Bachelor of Arts

Mark Thomas Ahles, Mansfield
Rex Ingram Lane, Lakeside
Robert Stuart Naylor, Steubenville
Laura Kay Robinson, West Jefferson
Daniel Lee Shoenfelt, Indiana, PA
Adrienne Katrina Winston, Cleveland

Bachelor of Science

Tarek Omran Al-Mikhi, Amman, Jordan
Mathew Edward Burns, Brunswick
Karen Marie-Jeanne Butler,
Sewickley, PA
John Lee Cowan, Zanesville
Jamal M. Ershadi, Tehran, Iran
Julie Lynn Favetti, Toledo
Thomas B. Green, Columbus
Christopher Kirk Hall, Newcomerstown
Marcus Wayne Hensley, Columbus
John Kevin Jefferis, Richmond
Sung Gyo Lee, Columbus
Wendy Lee Lewis, Urbana
Deborah Christine Moroz, Middletown
Patricia Ellen Murphy, Columbus
Sheila Marie Musto, Lima
Mark Richard Nelson, Worthington
Michael David Oberlander, Columbus
Kirk Thomas Oberliesen, Worthington
Steven Andrew Pamer, Barberton
William A. Parsley, Columbus
Rex E. Plouck, Bryan
Pamela Sue Rader, Lima
Mark Scott Ramey, Westerville
Scott E. Roderick, Canton
Walter Sakir, Parma
Roazman Samad, Johor, Malaysia
Laura Lynn Schrock, Kent
Shannon LeeAnn Smith, Terrace Park
Timothy Paul Stewart, Lima
Bernard Stokes, Cleveland
Gary Walter Stuhlfauth, Columbus
Todd Carl Thorbahn, Oak Harbor
Mark Eugene Thrasher, Alexandria
Kristine Ann Westerheide, Minster
Gordon Jin Wong, Columbus

College of Social and Behavioral Sciences

Dean: Joan Huber

Bachelor of Arts

Patricia Lynn Agnew, Worthington
Ralph Ephraim Amos, Jr., Trotwood
Jill Aughenbaugh, Akron
Michelle Hope Baer, University Heights

Heidi Renate Ballard, Columbus
Brian Mark Bartko, Maple Heights
Mark Steven Becker, Canton
Eric Edwin Bell, Shaker Heights
Cheryl Lynne Benson, Toledo
Douglas H. Beyer, Jr., West Chester
James Charles Black, Willoughby
John Christopher Bornhorst, Hartford, CT
Kelly Kagamas Branham, Urbana
D. David Carroll, Columbus
Susan Ann Carson, Columbus
Michael Paul Casey, Rocky River
Sheila Marie Catalano, Wooster
Ruth E. Cecil, Kettering
Nadir Chaudhri, Lahore, Pakistan
Julie Renée Cipriano, Bexley
Jeffrey Lynn Cisco, St. Marys
Susan Elaine Clark, Columbus
Valerie Lynn Cohen, Akron
Trevor Whitney Coleman, Hudson, NY
Craig Lawrence Conti, Columbus
Charmonette L. Crumley, Columbus
Michael James Curry, Columbus
Jeffrey Allen Dailey, Mt. Vernon
Sharon Lou Danniger, Columbus
Laura Elaine Dickey, Centerville
Kristen Leigh Doane, Chagrin Falls
Jennifer Ruth Ann Dodd, West Lafayette
Timothy Scott Durham, Columbus
Heidi Louise Ebel, Columbus
Michael Empoliti, Norwell, MA
Sandra Elizabeth Epshtein, Pittsburgh, PA
Lydia Esparra, Youngstown
Cynthia Ann Firestone, Columbus
Susan Lea Fogel, East Liberty
Michael Hamilton Folan, Cincinnati
Douglas Gregg Frame, Lore City
Anthony Joseph Frank, Columbus
Patrick Henry Frankl, Shelby
Diane Rachelle Freeman, Columbus
Janice Frey, Canton
Michael Jonathan Friedman, Cleveland
Thomas Joseph Glancey, North Palm
Beach, FL
Scott Allen Gray, Poland
Douglas Lee Green, Circleville
Mitchell Mel Greenwald, South Euclid
Ronald Curtis Groves, Columbus
Kevin Lee Grube, Defiance
Bonnie K. Guttman, Mayfield Heights
Carolyn Jane Gyuro, Columbus
Mary Ruth Habeck, Cuyahoga Falls
Patricia Anne Hackett, Toledo
Kevin Jay Hale, Dover
Earnestine E. Hargett, Mansfield
Kathleen Anne Harrington, Worthington
Eric Eugene Harrison, Powell
Jeffrey Harold Hartzell, Easton, PA
Robert Eric Heisler, Willard
Pamela A. Henak, Bucyrus
Jill Elaine Henry, Cincinnati
Mark Herman Hoeweler, Cincinnati
Michelle Renée Huffman, Pickerington
Bret Cameron Icenhower, Heath
Steven Earl Jackson, Upper Arlington
Dianna R. Jaynes, Westerville
Sadhna Jindal, Columbus

Susan Marie Johnston, Lima
Lisa Maria Joseph, Perrysville
Jeffrey Michael Judd, Dayton
Michael Anthony Julius, Columbus
James Joseph Karsatos, Fullerton, CA
David Ray Kelly, Johnstown
George Richard Kirk, Cuyahoga Falls
Regina Fay Kirk, Sardinia
David J. Kiwaiko, Rockford, IL
Glen Kubinski, Clark, NJ
Michael Jonathan Lawrence,
Syracuse, NY
Jeffrey E. Luchs, Cincinnati
William H. Lyddon, Chillicothe
Therese Marie Madden, Dayton
Palan Lynn Markopoulos, Warren
Linn Marie Marso, Alliance
Gillian Sue Martin, Shelby
Larry Allen McPheeters, Coshocton
Christopher J. Merchant, Upper Arlington
Sherri Lynn Miller, Columbus
Pamela Lynn Millhouse, Tipp City
David Landon Mills, Clarendon Hills, IL
Peter Emil Minshall, Columbus
Andrew Kirk Mitchell, Delaware
DuBonna Lynn Moseley, Columbus
Elizabeth Ann Mullinix, Morrow
Constance Lynne Muzick, Elyria
Craig A. Nelson, Bexley
Karen Gail Nokes, Canal Fulton
Peggy Lynn Norris, Worthington
John Michael Oklok, Upper Sandusky
Carma Ruth Pausch, Granville
David Cooke Payne, Shaker Heights
Robert Laurence Platt, Shaker Heights
Gary Lee Pollock, Bucyrus
William Charles Radebaugh, Columbus
James Thomas Ramsay, Columbus
Michael Joseph Reaman, Lima
Daniel M. Reed, Delaware
William Joseph Reiser, Portsmouth
Karl Joachim Rexer, Brecksville
David Richard Rhodehamel, Hudson
Keith Douglas Roark, Columbus
Matthew David Ronan, Newark
Héctor Rossy-Rodríguez, Caguas, PR
Lori Ann Rubadue, Columbus
James Michael Ryan, Jr., Columbus
David Jacob Rzepka, Cleveland
Stuart A. Schonhiutt, Lorain
Kurt Fredric Schroeder, Lorain
Mark Alan Schultheis, Marietta
Jay Dean Sewell, Wilmington
Tammy Ann Sheffer, Dayton
Susannah Genevieve Shipman,
Worthington
James Roger Shumaker, Newark
Cindy Renee Smith, West Liberty
Jane Ellen Smith, Coshocton
Shelley D'Esta Smith, Evanston, IL
Leslie Ann Sperry, Marysville
Jeffrey Alan Stern, Lima
Suzanne Beth Stern, Shaker Heights
Nikola Stevovich, Amherst
Luanne Marie Strassburger, Franklin
Brent Patrick Studebaker, Massillon
Sean Mark Sweeney, Katonah, NY
Tina Marie Thome, Marion
Lydia M. Thompson, Columbus

Kyle S. Thorne, Columbus
Richard G. Trela, Chesterland
John David Vander Hooven, Maumee
Meyra Rosa Villalonga, Miami, FL
Mary Carol Ward, Dayton
Wendy Kathleen Warner, Upper
Arlington
Debra Jeanné Watson, Newark
James R. Weldon, Columbus
Tara Dawn Williams, Columbus
John Mosher Wood, Worthington
Elizabeth Moneak Woods, Mansfield
Thomas John Zaffiro, Cleveland

Bachelor of Science

Mary Ellen Amer, Akron
William Eugene Church, Lakewood
James William Deyhle, Springfield
Andrea Ann Fabec, Lyndhurst
Gary Wayne Griggs, Lithopolis
David Lemar Hamilton, Felicity
Joan M. Harding, Stuart, FL
Charles Douglas Heilbrun, Cincinnati
Edway Richard Johnson II, Leesburg, VA
Amy Marie Jolivet, Hamilton
Monique Manhal, Cincinnati
Cheryl Ann Moore-Ennis, Toledo
Maxwell Emeka Ohakim, Ezihe, Nigeria
Douglas Kent Pusser, Boardman
Earl Joseph Recker, Cloverdale
Kip Betsy Reines, Cincinnati
Janelle Sue Ritter, Columbus
Randall Scott Slaybaugh, Toledo
Susan Albers Smith, Kettering
Paul J. Valachovic, Columbus
Kenneth Carlin Winters, Jr., Maple
Heights
Amy Lynn Youtsler, Monroe

Certificate of Study in Latin American Studies

Karen Louise Ruzicka, Centerville

School of Journalism

Bachelor of Arts in Journalism

Jonathan Mark Allen, Lima
Mary Beth Behn, Lima
Suzette Colleen Beigel, Youngstown
Kenneth Robert Black, Whitehall
Cynthia Elaine Brown, Lakeside
Richard Thomas Brown, Dublin
Michelle Joy Carlson, Avon Lake
Karen Marie Clagsens, Cincinnati
Dawn Celeste Cocco, Lorain
Christopher Bryan Coulter, Marion
Lisa Dawn Crooks, Radnor
Susan Kay Dawe, Lima
Dawn Marie Denenzio, Massillon
Michelle Yvonne Deskins, Washington
Court House

Scott Howard Duff, Berlin Center
Thomas Franklin Ewing, Akron
Kate Louise Fitzpatrick, South Euclid
Gregory Joseph Gilligan, Columbus
John Leroy Greene, Pickerington
Bruce Douglas Hill, Columbus
Donna Mary Ihle, Austintown
Richard Barton Jenkins, Brook Park
Sharon Elizabeth Kinkley, Coshocton
James Beng Mun Kuake, Kuala Lumpur,
Malaysia
Su Wah Lok, Columbus
Susan Beth Massarsky, Cincinnati
Patricia Jean McClusky, Columbus
Kathleen Ann McCurry, Dublin
Amy R. McDaniel, Gahanna
Mary Jane McLean, Canton
Patricia Louise Melvin, Columbus
Elizabeth Anne Renner, Ashland
Sharon Reneé Robinson, Indianapolis, IN
Scott Stephen Schaefer, Reynoldsburg
Mary Jill Shurtrump, Boardman
Joyce Ann Stern, Centerville
Richard James Strauser, Elyria
Shawnee Sue Timberlake, Atwater
Daniel Frederick Wetzel, Columbus

College of Agriculture

Dean: Frederick E. Hutchinson

Bachelor of Science in Agriculture

Alicia M. Adams, Kettering
Jeffrey David Adams, Stoutsville
Robin Armstrong, Chesterland
David Kent Ayres, Hillsboro
Bradley Charles Balduff, Castalia
John J. Baumeister III, Columbus
Ronnie Lee Beitzel, New Philadelphia
Linus Joseph Berger, Yorkshire
Thomas Alfred Brewster, Southington
Teresa Lee Carver, Greenville, SC
Cynthia Lou Dishon, Athens
David Paul Doran, New Albany
Deborah Sue Double, Wauseon
Randall P. Dues, Houston
Byron Eric Fike, Medina
Chris Warren Foster, Batavia
Kevin Fairbairn Fowler, Madison
George Frankenstein V, Cincinnati
Joel Edward Franks, Bryan
Tanya Gabriele, Fowler
Nancy Christine Genari, Johnstown
Timothy Dean Gross, Moline
Bruce Paul Hanzel, Barberton
Craig Brentwood Hawk, Toledo
Susan Lue Hess, Gates Mills
Stephen A. Hirzel, Northwood
Russell Jay Huff, Worthington
Morsidah Bt Ismail, Selangor, Malaysia
Walter George Johnson, Franklin
Mark Fitzgerald Jordan, Nova
Barbara Lynne Kastner, Columbus
Peter Vincent Kish, East Liverpool
Steven Vance Klusmire, Indianapolis, IN
Shakuntala Lamgaday, Dharan, Nepal

James Michael LaPore, Mayfield Heights
John Wilbert Merrill, Jr., Steubenville
Susan Lynn Miller, Bellefontaine
Jeffrey Dale Morlock, Wayne
Richard Bradley Mosher, Columbus
Thomas Alan Newsom, Delaware
Richard Edward Powers, Pickerington
Edgar Vladimir Pulido, Columbus
Robert Carl Reeder, Piqua
Timothy Charles Shippy, St. Clairsville
Pamela Ann Shreve, Columbus
Patricia Kathryn Spahr, Findlay
Brent Allen Stauffer, Marietta
Christina Marie Suelter, Grove City
Sandra Mary Thomas, Deshler
Jeffrey Stephen Turnbull, Ashville
William Rian Ufer, Lima
David Kyle Vandever, Troy
Matthew Paul Verbsky, Columbus
Kui Shin Voo, Sabah, Malaysia
Christopher John Waymire, Yellow
Springs
Lynne Ann West, Hebron
Mark David Williams, Canal Winchester
Barbara Jean Wineman, Glenford
James Lewis Winter, Ashville
Ronald Len Zimmerly, Pandora

Bachelor of Science in Food Science

Paul Separa Anloague, Seven Hills
Patrick Duane Boles, Dover
Nancy Patricia Jordan, Mansfield
Barbara Sue Naumoff, Orrville

Bachelor of Science in Food Technology

Karl Joseph Gast, St. Henry

School of Natural Resources

Bachelor of Science in Natural Resources

Susan Mary Cass, Dayton
Gregory Ryan Chatfield, Columbus
David Cecil Comer, Lancaster
Michael John Flynn, Westerville
Timothy David Franks, Newark
Phillip Leroy Harrell, Findlay
David Lawrence Johnstone, Cincinnati
James Douglas Jones, Jr., Grove City
William Fredrick Christian Lange,
Wisconsin
Laura LaVonne Leckrone, Cincinnati
Christopher James O'Leary, Columbus
John Paul Pritchard, Olmsted Falls
Jayne Alice Reack, Avon Lake
Kenneth William Sharkey, Cincinnati
Richard Lee Waldo, Columbus
Jeffery James Wander, Perrysville
Michael Dean Weaver, Liberty Center
J. Steven Weed, Springfield

Agricultural Technical Institute – Wooster

Associate in Applied Science

David Fulton Arthurs, Jr., Westerville
Heidi L. Benich, Plymouth
Eric Paul Bernard, Avon
Bonnie Joy Bock, Parma
Michael John Bultinck, Solon
Cynthia Renee Cottrell, Mt. Vernon
Robert Wayne Dignin, Polk
Mark Eugene Diller, Pandora
Kelly Edward Evans, Massillon
Maureen Ann Gabel, Richfield
Gregory R. Halco, Massillon
James Gregory Johnson, Richfield
John Allen Lane, Canton
Lisa Lynn Locke, Warsaw
Thomas O'Shaughnessy Martin, Newark
Kenneth Richard Miller, Millford
Richard Blaine Miskell, Lancaster
Christine Elizabeth Moody, Shelby
Becky Friebel Morris, Shelby
Jeffrey Ray Nawrocki, Chesterland
Deborah Suzanne Piggott, Belpre
Allen Jeffrey Potoma, Maple Heights
Jerry Edward Powers, Carroll
James Edward Pritchard, Perrysville
Carol Marie Rukosky, University Heights
Jennifer Mae Stein, Chardon
Kathy Marie Wenz, Toledo

College of Business

Dean: H. Justin Davidson

Bachelor of Science in Business Administration

Jeffery Scott Abbruzzese, Columbus
Nor Ashikin Bte AB. Manan, Muar.,
Johore, Malaysia
Denise Renee Abraham, Centerville
Robert Alan Ackerman, Cincinnati
Warren Keith Adams, Dresden
Kelli Jae-Ann Adelsperger, Tiffin
Christopher Alan Adkins, Canal
Winchester
William John Alexander, Steubenville
Keith Alves, Northampton, PA
Nese Arat, Marion, IN
Douglas Brian Arrasmith, Columbus
Robert David Artz, Columbus
Dean Edward Ashbrook, Kettering
Norulhuda Atan, Kuala Lumpur, Malaysia
Anthony Augi, Farmingville, NY
Daniel James Bachorski, Pittsburgh, PA
Brett Aaron Barrett, Alexandria, VA
Anna Marie Bartolovich, East Liverpool
Jonathan Wayne Bates, Powell
David D. Beadle, Reading, PA
Joseph Anthony Berardi, Kettering
Daniel J. Berry, Toledo
Lisa Ann Bertke, Centerville

Scott Alan Bhe, Leetonia
Steven Robert Bishop, Newark
Stephen Arthur Boisseau, Pickerington
Todd Alan Bone, North Palm Beach, FL
Bruce Eugene Borden, Dublin
Martin Dennis Bouhall, Bay Village
Michael Lawrence Bowman, Marysville
Angela Sue Boyle, Columbus
Guy Anthony Bozza, Cleveland
Robert Farrel Briggs, Columbus
Bruce Alan Brown, Lima
Linda Marie Brown, Canfield
Steven Garrett Brown, Malvern, PA
Barbara Lucille Brubaker, Bradner
Joseph Patrick Fitzgerald Buckley,
Sylvania
Terry Carzell Burgess, Marion, IN
Mark Allan Burnett, Newark
Anne Elizabeth Burns, Columbus
Susan Elizabeth Burton, Lima
Melissa Ann Busse, Somerset
Dana Mark Butler, Wakeman
Mary Ellen Butler, Columbus
Seung-Kee Byun, Seoul, Korea
Nancy T. Canada, Columbus
Louis Eugene Caporaletti, Akron
John Ralph Capozziello, Columbus
Christine Lynn Carter, Massillon
Ronald Edward Cashdollar, Kettering
Julia Annette Cassidy, Vandalia
Helen Winnie Chan, Newark
Su Chin Chang, Kuching, Sarawak,
Malaysia
Jeffrey Steven Charme, Dayton
Marica Templin Cherry, Newark
John Michael Cindrich, West Chester
Jeff L. Clegg, Clarington
Colleen Anne Clifford, Columbus
Alicia Kay Cline, Westerville
Richard James Collins, Fostoria
Robert Lee Collins, Painesville
Kenneth William Cook, Berea
John Lewis Corbin, Jr., Columbus
James Wilson Cordero, Moca, PR
Ted Gerard Coss, Bridgeport
Kevin Karl Crum, Cuyahoga Falls
Jodene Kim Czako, Orrville
Mark Peter Dani, Columbus
Heather Lyn Davidson, Columbus
Martin Robert Dean, Columbus
Tina Marie DeFrancisco, Ostrander
Michael Benjamin Dehendorf, Columbus
Richard Kevin Delaney, Worthington
Judith A. Demarchi, Worthington
Susan Karalewitz Dent, Columbus
Benjamin Anthony DePompei, Bedford
Gregory Franklin Dietsch, Edgerton
Janet Carol Dietz, Worthington
Brian Lee Dixon, Wilmington
Joseph S. Djuhadi, Jakarta, Indonesia
Susan Mary Dobos, Fairview Park
Joseph Patrick Doody, Worthington
Carl Michael Duncan, Granville
Deborah Ann Eberlin, Lyndhurst
Laurie Armstrong Ebert, Poland
Roger Louis Edeheimer, Pepper Pike
Dale Alan Edwards, Wapakoneta
Karen Marie Eidemiller, Parma
Laura Ann Elking, Columbus

Timothy Lee Ellerbrock, Ottawa
Gary Lonnell Ellison, Cleveland Heights
M. Daniel England, Dayton
Velma Delphine Erkins, Columbus
Thomas Franklin Ewing, Akron
Stuart Alan Fagin, Mansfield
Louis Vincent Farr, Westerville
James Merrill Fasone, Columbus
Edward William Fedor, Pepper Pike
Linda Louise Ferdi, Columbus
Sylvia Fisher, East Cleveland
Patrick Shawn Flaherty, Parma
Gary Lewis Fobes, Marion
Kent Charles Forsythe, Hudson
William Richard Fox, Sarasota, FL
Ellen Sue Frank, Pepper Pike
Kent Donald Freberg, Cincinnati
David Wilson Furry, Rocky River
Maureen Leigh Gatewood, Columbus
Dalbert Leroy Gault, Forest
Eric Leo Gerstner, Eaton
Catherine Ann Girves, Columbus
Steven Yale Gold, Glencoe, IL
Thomas Prescott Gray, Wilmington
Martin D. Greenwald, Lyndhurst
Cary Gabriel Gregory, Toms River, NJ
Michael Lee Grillo, Covington
John Andrew Groeber, Columbus
Steve Eric Gruetter, Toledo
John Kenneth Gutmann, Columbus
Beth Louise Hahn, Whitehall
George Phillip Hajjar, Marion
Danny Lee Hall, Mt. Gilead
Stephanie Annette Hamilton, Bronx, NY
James Joseph Hanna, Ashland
Todd Allen Harman, Rising Sun
Ernest Eric Hart, Coshocton
Jeffrey Paul Hartman, Woodville
Edward Paul Hartmann, Cincinnati
Dawn Hendricks, Cincinnati
Patrick Sheeran Hennessey, Columbus
Bradley Gordon Hesson, Lynchburg
John Timothy Hieber, Bay Village
Brian Paul Hillery, Bradford, NH
Michelle Louise Hites, Lima
Alan Frederick Hoffmann, Cuyahoga Falls
Patricia Ann Holbrook, Brooklyn, NY
Lonna Marie Holloway, West Chester
Jeffrey Martin Holmes, Columbus
Brian Wesley Hood, Springfield
James H. Hoppel, Westlake
Clifton Raymond Howison, Hebron
Melissa Hsia, Potomac, MD
Anthony Joseph Hudock, Highland
Heights
J. Bradford Hunt, Columbus
Meghan Maria Hunter, Columbus
Thomas Martin Huth, Pittsburgh, PA
Barbara Anne Inskeep, Lima
Lori Jo Ius, Columbus
Jae Kevin Jackson, Potomac, MD
James Paul Jackson, Columbus
Kirti Jackson, Cleveland
Jon Christopher Jeswald, Alliance
Kelli Kay Johnson, Columbus
Steven Richard Jones, Cincinnati
Susan Elaine Jopko, Madison
Kevin Lee Kagarise, Uniontown
Stephanie Lynne Kannel, Columbus

William Vasilios Katsounis, Mansfield
 Scott David Kemp, Cincinnati
 Steven Michael Kemp, Mansfield
 Eric Aaron Kemper, Columbus
 Tamarina Ruth Kenton, Delaware
 Scott William Kern, Columbus
 Cynthia Marie Kerner, Pataskala
 Joseph William Kessler, Orient
 Andrew John Kielkopf, Columbus
 Jennifer Kling, Columbus
 Robert Michael Kling, Cincinnati
 Keith Warren Klingler, Kenton
 Constance Lee Klopp, Columbus
 Thomas Lee Knickerbocker, Xenia
 Kevin James Kobbeman, Toledo
 Kristin Kay Koett, Dayton
 Brian Joseph Kolda, Cedar Rapids, IA
 Ann Cecelia Kreinbrink, Findlay
 Shelli S. Kreuzer, Columbus
 Robert Bruce Kubiak, Novelty
 Oto Kulda, Mansfield
 Sheryl Lynn Kurelic, Columbus
 Kathy Ann Laughlin, Bay Village
 David Lee Leasure, Toronto
 Teng Kiat Lee, Seremban, N.S., Malaysia
 Wei Wei Lee, Singapore, Singapore
 Richard Henri Lesueur, Columbus
 William Hamilton Lewis, Columbus
 David Carl Lippert, Columbus
 Marc Richard Lively, Westerville
 James Dalton Lonadier, Dayton
 Daniel James Love, Warren
 Martin Edward Lowy, Beachwood
 Bradley Eugene Ludwig, Bryan
 Angela Maria Lykins, West Chester
 Michael Joseph Lyons, East Islip, NY
 Daniel F. MacArthur, Cincinnati
 Robert Marvin Mack, Jr., Hinckley
 Chiew Chooi Mak, Ipom, Perak, Malaysia
 Anthony Ralph Mampieri, Columbus
 Michael Joseph Mangia, Gahanna
 Andrew Steven Marks, Columbus
 Kevin Lee Marks, Beachwood
 Corey Steven Marshall, Mayfield Heights
 Ronald E. Marshall, Worthington
 Sue Ann Martin, Ashley
 Timothy William Mauk, Marion
 Melanie Lynn McClain, Grove City
 Stacy J. McCullough, Hudson
 Timothy Paul McDonald, Louisville
 Paul William McEwan, Tipp City
 Jeffrey Scott McGuire, Zanesville
 Jeffrey Todd McLain, Columbus
 Donald Michael McNeil, Marion
 Laura Beth Merritt, Westerville
 Debra Lynn Messenger, South Euclid
 Daniel Clark Miles, Garfield Heights
 Gregory D. Miller, Newark
 Michael Andrew Miller, Lima
 Raymond Eric Miller, Columbus
 Timothy M. Miller, Columbus
 Tracy J. Miller, Dresden
 Scott Patrick Minke, Westerville
 David Andrew Mitchell, Reynoldsburg
 Leisa Beatrice Mitchell, Dayton
 Joan Helen Mohr, Grove City
 Bryan Larry Moon, Mt. Orab
 Kevin Michael Moore, Indianapolis, IN
 Ken T. Morris, Sylvania

Kevin Kaldenbach Morris,
 Washington, WV
 Terry Steven Morse, Pickerington
 John David Mullen, Lima
 Mark Edward Murphy, Columbus
 John Patrick Murray, Mansfield
 Michael Stephen Myers, Columbus
 Susanne Marie Nees, Louisville
 Louis Nemeth III, Mansfield
 Kimberly Sue Nickles, Heath
 Betty Jo Niese, Lima
 Michael James O'Brien, Columbus
 Suzanne Colleen O'Connell, Columbus
 David Michael Orloff, Cleveland
 Michael John O'Ryan, Pataskala
 Paige Alison Papner, Cincinnati
 Keith Warren Parker, Toledo
 Susan Lynn Parker, Worthington
 Patrick William Patterson, Worthington
 Shaun D. Patterson, Canton
 Karen Elizabeth Peterson, Gambriils, MD
 Rhonda D'Jalili Petsef, Upper Arlington
 Douglas Stannard Pfahl, Huron
 Cynthia Sue Pfoff, Dayton
 Devon Neil Phelps, Marengo
 Deborah J. Phillips, Strongsville
 Tracy R. Pierre, Houston, TX
 John William Plank, Columbus
 Amie Lee Preston, Warren
 Thomas Blair Ramsey, North Canton
 Melvin Jerome Reed, Columbus
 Gregory Thomas Richards, Columbus
 Ronald Alfred Riffle, Columbus
 David Scott Riggs, Williamstown
 Kelly Nathaniel Robinson, Circleville
 Cathy Ann Roder, Port Clinton
 John Clarke Romine, Fostoria
 Elizabeth Anne Rost, Columbus
 Mark Anthony Royer, Columbus
 Jeffrey John Rubinoski, Elyria
 Linda Ann Saftred, North Canton
 Steven Alan Saltzman, Beachwood
 Mark Jude Samar, Beachwood
 Patrick Raymond Sarver, Alliance
 Richard Jay Schaefer, Columbus
 Philip Lawrence Schenk, Vineland, NJ
 Steven Elliot Schwartz, Toledo
 Stuart Michael Schwartz, Hauppauge, NY
 Eric Carlson Schwenkel, Lakewood
 Bryan Edgar Seas, Columbus
 John Alan Sedam, Columbus
 Margot Suzanne Sellers, Shaker Heights
 Gunawan Setyadi, Kudus, Indonesia
 Lora Ann Sharrick, Columbus
 Jane Annette Shifley, Galion
 Daniel O'Shea Singer, Cincinnati
 Daniel William Smith, Columbus
 Jeffrey John Smith, Toledo
 Matthew Charles Smith, Chillicothe
 Mary Susan Smurr, Columbus
 David Raymond Snyder, Eaton
 Gay Melanie Snyder, Centerville
 Robert James Sommer, Gates Mills
 Bruce Leroy Souders, Logan
 Timothy Justin Spillers, Columbus
 David Allan Spinale, Lorain
 Michael Lewis Spivey, Pataskala
 Lisa Marie Stemen, Columbus
 David Mark Stern, Columbus

Regina Gail Stewart, Columbus
 Robert Clifford Stoll, Columbus
 Phyllis Ann Stoneburner, Circleville
 Daniel Jerry Sullivan, Columbus
 Thomas C. Sullivan, Baltimore, MD
 Mark Steven Susi, Worthington
 Gregory E. Sweet, Chicago, IL
 Hiong Swie, Columbus
 Joseph John Syms, Canfield
 Kim Keng Tan, Batu Pahat, Johor,
 Malaysia
 Steve Nicola Taneff, Pickerington
 Amy Van Bergen Tebbutt, Cincinnati
 Linda Marie Teller, Reynoldsburg
 Mark Andrew Tender, Lorain
 Nancy Lynne Tharp, Westerville
 Kannaporn Thavisri, Bangkok, Thailand
 Kevin Maurice Thomas, Circleville
 James Eric Thompson, Columbus
 Kasia Lanette Thompson, Columbus
 E. L. Tommy Tomlinson II, Circleville
 Mark D. Traikoff, Ashabula
 George Richard Trutza, Lakewood
 Michael King Man Tse, Hong Kong
 Terry Edward VanAlmsick, Blacklick
 Camille Anne Van Horn, Shelby
 Denise Marie Vogel, Pickerington
 Elizabeth Anne Wachu, Upper Arlington
 Marilyn Clark Wagner, St. Clairsville
 Molly Jean Wagner, Dayton
 Barron Michael Walker, Lancaster
 Christine Marie Walker, Brunswick
 Laura Aleese Waller, Centerville
 Michael Lee Walsh, Englewood
 Harriet Campbell Weeks, St. Louis, MO
 John Joseph Weixel, Columbus
 Debra Leigh Wengered, Wooster
 Stanton Archie West, Elyria
 Michael Thomas Wilks, East Springfield
 Anita Gail Williams, Canton
 James Joseph Wood, Cincinnati
 Thomas Robert Wright, Kirtland
 Beth Olga Yarrington, Columbus
 Wai King Yee, Columbus
 Robin Lynn Yoho, Wintersville

College of Dentistry

Dean: William R. Wallace

Doctor of Dental Surgery

Jeffrey Harris Karp, Brooklyn, NY
 B.S. (State University of New York
 College at Buffalo)

College of Education

Dean: Donald P. Anderson

Bachelor of Science in Education

Barbara H. Akers, Columbus
 Karen Kelch Altomare, Worthington
 Richard Amicon, Columbus
 Brenda Elaine Arend, Paulding

Randal Clark Bailey, Canton
 Lisa Jo Baldwin, South Charleston
 June Marie Barber, Solon
 Yunusa Yakubu Bashir, Bauchi, Nigeria
 Jill Marie Baumer, Farmington Hills, MI
 Marilee J. Beach, Galion
 Beth Ann Bennett, Cortland
 Elizabeth Joan Beyer, Berea
 Susan Kay Biss, Lima
 Elizabeth Ann Boggs, Columbus
 David Paul Bremer, Findlay
 Keisha Andrea Brown, Columbus
 Christine Leigh Burgess, New Albany
 Deborah Louise Campbell, Columbus
 Catherine Anne Casas, Gahanna
 Bradley Allen Clark, Cairo
 Magdalene Louise Clark, Galloway
 Monique Alycia Cobbs, Cincinnati
 David Fredrick Collins, Waynesville
 Craig Allen Colvin, Columbus
 Michele R. Cunningham, Gahanna
 Clarence Edwin Dade, Columbus
 Joanna D'Andrea, Youngstown
 Saratu Sule Dawuda, Bauchi, Nigeria
 Thomas Joseph Devolve, Cincinnati
 Valerie Lynn Dickinson, Wharton
 Kimberly Diana Dorsey, Lorain
 Timothy Ronald Dull, Ohio City
 Diana Lynn Dysart, Granville
 Karen Lynn Ernst, Delaware
 Becky Lynn Essick, Granville
 Yzvetta Luvenia Farrish, Cincinnati
 Laura Anne Fleming, Troy
 Fulvia Pellegrini Fowler, Columbus
 Jill Suzanne Fruth, Attica
 Jean Tres Fry, Worthington
 Steven Carter Gerlach, Middleburg Heights
 Edna Mae Giordano, Columbus
 William Dale Hardin, Columbus
 Norman Tyrone Haslop, Lima
 Karen Louise Heise, Grove City
 Jean Lynn Herendeen, Granville
 Sheila Diane Hobensack, Pickerington
 Jamie Lorenza Holland, Wake Forest, NC
 Karyn N. Hollenbaugh, Richwood
 Sherry D. Hutchinson, Granville
 John Gary Hutchison, Atwater
 Lori Ann Iams, Galion
 Kathryn Jean Irwin, Worthington
 Arthur L. Isenaggle III, Whitehall
 Karen Elizabeth Jenkins, Akron
 Linda Ann Jenkins, Elida
 Kathryn Ann Johns, St. Marys
 Robert Patrick Keller, Mansfield
 Starla Kay Kent, Wapakoneta
 Lisa Katherine Krupa, West Salem
 Anna Marie Kulina, Columbus
 Beth Ann Kullman, Somerset
 Joni Dawn Lee, Dresden
 Leslie Lou Lesnick, St. Clairsville
 James Charles LeVally, Grove City
 Bello Muhammad Limanci, Bauchi, Nigeria
 Kristen Rose Lococo, Aurora
 Robert E. Mallie, Metamora, IL
 Antonia Gate Manning, Granville
 James W. McConville, Cleveland

Kimberly Ann McElroy, Middleburg Heights
 James Bernard McShane, Columbus
 Elaine Ankers Miller, Columbus
 Nancy Gerhardt Miller, Groveport
 Marisa Louise Nieto, Dayton
 Julie Ann Oatman, Lima
 Carene Anne O'Connor, Columbus
 Marianela Odio, San Jose, Costa Rica
 Richard Dickson Owens, Jeffersonville
 Trisha Kay Petty, Lima
 Cynthia Mae Pilati, Bloomingdale
 Lisa Kae Pinkerton, Columbus
 Leslie Ann Polk, Columbus
 Donna Kay Potter, Shelby
 Lynne Elizabeth Raftry, Wadsworth
 Teresa Jane Reigle, Coshocton
 Melanie Sue Reiley, Worthington
 Christopher George Richardson, Cincinnati
 Stephanie S. Riedmiller, Columbus
 Vicky Lynn Riffe, Columbus
 RoxAnne Rutherford, Columbus
 Trisha Ben Sager, LaRue
 Billie-Ann Sarich, Columbus
 Michelle Renee Schultz, Ashland
 Scott Douglas Shaffer, Mansfield
 Diane Winningham Shimp, Columbus
 Kelley Mary Smith, Coshocton
 Eleni Stathi, Columbus
 Margaret Flora Summers, Cardington
 Tammy Marie Sutton, Lima
 Lori Ann Theaker, Lexington
 Sandra Kay Tippie, Dublin
 Gregory Chris Trapp, Gahanna
 Michelle E. Vandemark, Elida
 Scott William Vandemark, Lima
 Nancy Jeanne Vosler, New Albany
 Brian William Watson, Columbus
 Elaine Marie West, Columbus
 William John Weston, Berea
 Kathryn Meeker Wheeler, Lima
 Stephen L. Williams, Bellaire
 Lee Anne Wires, Walbridge
 Susan Leslie Woerth, Solon
 Roger A. Wren, Mt. Gilead
 John Wayne Yekel, Jr., Canton
 Pamela Sue Young, Cuyahoga Falls
 Maria Mellissa Zeno, Ashland

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 the College of the Arts.

College of Engineering

Dean: Donald D. Glower

Bachelor of Science in Aeronautical and Astronautical Engineering

David Gordon Bunnel, West Chester
 David Richard Deal, Perrysburg
 Alex Gregory Kurtz, East Canton
 George C. Lekan, Seven Hills
 Donald Richard Wallace, Columbus

Bachelor of Science in Agricultural Engineering

George J. Berner, Xenia
 Mark Thomas Morgan, Valley City
 Clara Jean Oberst, Columbus
 Kris Edward Seitz, Mansfield
 Gerald Dean Vorst, Kalida

Bachelor of Science in Aviation

John Edward Hoban, Kettering
 Joseph Mark Merola, Corning, NY

Bachelor of Science in Ceramic Engineering

David Edward Dieringer, Canton
 Scott Lyle Johnson, Cincinnati
 Mark Hemming Kayser, Columbus
 Gregory Nelson Morscher, Upper Arlington

Bachelor of Science in Chemical Engineering

Edward Bochenek, Wickliffe
 Rajeev Lochan Gorowara, Fairborn
 Norman Merrill Powell, Worthington
 Scott Glenn Vickery, Norton
 James Franklin Walden, Brunswick

Bachelor of Science in Civil Engineering

Ammar M. Said Al-Bardan, Damascus, Syria
 Scott Kevin Antalovich, North Perry
 Assaf Fawzi Assaf, Aramout, Lebanon
 Benjamin Gary Baumer, Minster
 Laurie Ann Chase, Middleburg Heights
 Bahjat Abboud Chidiac, Bikfaya, Lebanon
 Siang Hwa Chua, Klang, Selangur, Malaysia
 John Maurice Dahdah, Meziara, Lebanon
 Mohamad Jaafar Darwich, Tyre, Lebanon
 David Paul Evers, St. Henry
 Brian Norton Flint, Wheaton, IL
 Joseph Guy Hobeika, Naccache, Lebanon
 Rita M. Holzhaeuser, Mentor
 Jeffrey David Horvath, Wickliffe
 Nikolaos Kolidas, Athens, Greece
 Monica Ann Krepfl, Wickliffe
 Gregory William Myers, Columbus
 Samir Kassas Naboulsi, Damascus, Syria
 Donald Lee Phillips, Jr., Madrid, Spain
 Daniel Jay Rawn, Brice
 Susan Marie Spires, Lancaster
 Mark Joseph Wilson, Cincinnati

Bachelor of Science in Computer and Information Science

Hassan Abdullahi, Columbus
Paul Keith Blankenbaker, Columbus
Martha F. Bresee, South Burlington, VT
Phillip Eugene Bronsdon, Dublin
Beata S. Byczek, Whitehall
Daniel Bradford Cain, Powell
Henry Kwok-Keung Chau, Reynoldsburg
Charles Henry Clay, Columbus
Thomas Raymond Daley, Lima
David Charles Geyer, Grove City
Steven John Hecker, Kettering
Lee Kevin Hoelscher, New Knoxville
Charlotta J. Holland, Ironton
Robert DeVon Holmes, Columbus
Karen Alaine Kail, Nitro, WV
John Joseph Kirian, Jr., Fostoria
Kathryn Ann Kraus, Centerville
Chee Kian Kuo, Batu Pahat, Johore, Malaysia
Chit Shyan Lai, Kuala Lumpur, Malaysia
Dana Lynn Lewis, Perrysburg
Steven James Ling, Chagrin Falls
Rehan Mahmood, Lahore, Pakistan
Kevin Patrick McCombs, Hudson
Douglas Hannum McGrath, Springfield
Joseph Kenneth Mirka, Strongsville
Craig Alan Mokma, Wooster
Dale E. Moore, Columbus
Charles Allen Myers, Oak Harbor
Pradip M. Pandya, Columbus
Robert Scott Richardson, Whitehall
Robert Carson Rogers, Madison
Thomas Paul Ross, Middletown
Doreen Leba Silberstein, Columbus
Deborah Ann Silverstein, Cleveland
Vincent Lee Small, York, PA
Joseph Albert Soller, Marysville
Kent Evan Stewart, Yellow Springs
Ronald Anthony Szczesny, Springfield
Thuan Boon Tan, Muar, Johor, Malaysia
Jeff Edward Towslee, Bennington, VT
Kasem Vichacheeva, Bangkok, Thailand
Matthew Donald Wald, Washington Court House
Arun Kumar Welch, Tiffin
Richard F. Williamson, Bloomingdale
Andrew Lee Willie, Columbus
King On Yee, Columbus
Ka Fai Yu, Columbus

Electrical Engineer

Robert E. Hockman, Springfield
Tiong-Sin Sy So, Columbus

Bachelor of Science in Electrical Engineering

Marissa Lynn Agdinaoy, Brecksville
Demetris Andreou Agrotis, Nicosia, Cyprus
Mohd Azmi Merican Ahmad Merican, Penang, Malaysia
Mohammad Tahsin Alchorbaji Mzaik, Damascus, Syria

Tushar Indubhai Amin, Baroda, India
Kevin Lamont Barnhart, Columbus
Mark Stephen Barrow, Collegeville, PA
Thomas Edward Brehm, Columbus
Mark Alexander Cameron, Winthrop, ME
Pramook Chaiwongwutthiku, Bangkok, Thailand
Hin Ching Hubert Chan, New York, NY
Gretchen Strickler Clark, Columbus
Robert Anthony Clemens, Dayton
Thomas Michael Coad, Columbus
Roger Wayne Cole, Groveport
Thomas Earl Eggerding, Cincinnati
Todd Allen Epsenschied, Dover
William Beatty Forg, Madeira
Hong Ming Fu, Columbus
Alan Jeffrey Gilbert, Cleveland
John Howard Greenewald, Columbus
Thomas Edward Gremling, Lima
Steven Mark Grzymkowski, Rochester, NY
Steven Charles Heinrich, Mentor
Alan Douglas Hergatt, Westerville
Kurt Fredrick Hesse, Proctorville
Stephen Joseph Hicks, Dayton
James Alan Hulsey, Akron
Abdollah Khadivi, Tehran, Iran
Douglas Wayne King, Columbus
Blair William Koman, Newark
Manucher Habibpour Mamaghani, Tehran, Iran
John Martin Mangino, Niles
Todd Andrew Miklos, Grove City, PA
Richard Allen Muha, Akron
James Allen Nelson, Newark
Sean Edward Ogle, Crestline
Scott David Oyler, Canal Winchester
Brian Clark Pass, Columbus
Robert Julius Pinto, Dayton
Susan Gail Rencehausen, North Olmsted
Jeffrey Scott Shoemaker, Alliance
Lynette Avis Stewart, Beavercreek
Jemmy Sutjiawan, Jakarta, Indonesia
Kien Yong Tan, Bagan Serai, Perak, Malaysia
Nopporn Udompornmongkol, Bangkok, Thailand
Gregg Byron Vosler, Dayton
Robert Michael Yoder, Heath

Bachelor of Science in Engineering Physics

Leonard Steven Cech, Wickliffe
Todd K. Curtis, Liverpool, NY
Charles David Schacht, Pittsburgh, PA
Anthony Thomas Taglieri, Wintersville
Thomas Michael Tomko, Poland

Bachelor of Science in Industrial and Systems Engineering

Ghaiour Chouchene, Chebba, Tunisia
Bret Anthony Dyke, Columbus
Farzin Farzanmehr, Tehran, Iran
Edward D. Fetter, Crestline
Eric George Hansen, New Concord

Randall Clarke Madey, Kent
Carlo Mobayed, Montreal, Quebec, Canada
Kevin Thomas Saylor, Cincinnati
Bruce C. Uhland, Mayfield Village

Bachelor of Science in Mechanical Engineering

Edward Charles Barteel, London
Thomas Richard Beremand, Bay Village
Mark Edward Boos, Norwalk
James Borowski, Bridgeport, WV
Robert Stephen Burita, Dayton
William Henry Closser, Jr., Columbus
David Robert Crecelius, Ashland
Susan Marie Struthers Douglas, Columbus
Robert Isaac Fassberg, Bethesda, MD
John Charles Gazdik, Columbus
Alan Donald Hale, Circleville
Scott Eugene Hamilton, Columbus
Mary Ellen Heaton, Cuyahoga Falls
Mike J. Holland, Columbus
James Robert Ketter, Fort Atkinson, WI
Scott Leigh Klingensmith, Youngstown
Gerald D. Kraschinsky, Marion
Marguerite Joan Macy, Hudson
Steven Bradley McMahon, Upper Arlington
Jeffrey Thomas Morton, Galion
Deborah Dawn Ohler, Columbus
Luis Alberto Rojas Vela, Cantaura, Venezuela
Timothy Francis Savely, Reynoldsburg
Timothy Craig Schutt, Novelty
John Patrick Scowden, Marion
William Randall Shephard, Westerville
Richard Alan Sliwinski, Northfield
David Marvin Tradler, Maumee
Jeffrey Alan Wagner, Columbus
Ruth Anne Watkins, Miamisburg
James Russell Whitlock, Canton
Peter Ray Wortendyke, Jr., Hamilton
Hong-Jun Yeh, Taichung, Taiwan

Bachelor of Science in Metallurgical Engineering

Thomas Wayne Foster, Sidney
Rowdy Lee Joseph, Mt. Sterling

Bachelor of Science in Surveying

Scott Kevin Antalovich, North Perry

Bachelor of Science in Welding Engineering

Diane Leigh Hallum, Columbus
Carl J. Heuckroth, Kitchener, Ontario
David Stephen Hoffman, Circleville
John Theodore Perozek, Brooklyn Heights
Charles Albert Pfister, Westchester
Robert Dale Thompson, McMinnville, OR

School of Architecture

Bachelor of Science in Architecture

Brent Allen Buehrer, Maumee
Steven E. Defelippi, Huron
Russell John Eymann, Jr., Chagrin Falls
Theodore J. Hoeflinger, Toledo
Andrew Howard Hubbard, Canfield
Jeffrey Todd Hutcheson, Mt. Vernon
Mark Jurcic, Tarrytown, NY
John Spencer Withers, Columbus

Bachelor of Science in Landscape Architecture

Pamela Joan Arendt, Perrysburg
Lucia Marie Condo, Columbus
Daniel Dewitt Knotter, Cleveland
Raymond Francis McGuirk, Jr., Niles
Kathleen Ann Mihaiu, Cleveland

College of Home Economics

Dean: Lena Bailey

Bachelor of Science in Home Economics

Lisa Susan Albert, Grove City
Mary A. Baddour, Mansfield
Judith Marie Baum, Zanesville
Maria Pauline Bellisari, Columbus
Jill L. Biehl, Marietta
Anne Margaret Broekema, Columbus
Elizabeth Ruth Brown, Hilliard
Jill Lynn Bruning, Dublin
Jan Elizabeth Burke, Columbus
Cathleen Ann Carroll, Kettering
Alison Hill Easterday, Delaware
Joan Marie Fritsche, Parma
Mara Renee Griffith, North Olmsted
Jack Timothy Herr, Mansfield
Debra Kay Huff, Columbus
Nadeen Katz, Dayton
Deborah Jill Krause, Mayfield Heights
Stephen Robert Lennon, Westerville
Tracey Lynn Long, West Chester
Lori Lee McDougale, Columbus Grove
Deborah Lynn McKinney, Dayton
Cynthia Kaye Miller, Columbus
Linda Ann Miller, Elyria
Leah Riston Philpott, Chagrin Falls
Janet S. Riemenschneider, Columbus
Diane Margaret Sabo, Bellevue
Robin Ann Sampliner, Cleveland
Sally Anne Schroeder, Worthington
Kelly Bess Seeberg, Urbana
Sholeh Shahrokhi, Columbus
Julie Marie Simon, Metamora
Diane Marie Sink, Columbus
Edward Lee Slusser, New York, NY
Janet Marie Smurr, Columbus
Dee Ann Spruance, Columbus

William McKinley Stepp, Columbus
Russell Brian Stump, Worthington
Marlene Tranovich, Bellaire
Polly Ann Tsiliacos, Columbus
Leslie Ann Tucker, Bowling Green
Jane Elizabeth Wachaya, Newark
Patricia Ann Wentz, Cincinnati

Bachelor of Science in Food Technology

Lynne Ann Inks, Lakewood

Bachelor of Science in Hospitality Management

Nancy Jean Abbott, Essex Junction, VT
Victor Elias Albainy, Jr., Parma
Kenneth Allen Fennell, Maple Heights
Alan Alexander Jacobson, Long Beach, NY
James Richard Kimmel, Tiffin
Raymond John Merle, Columbus
Thomas Gerard Pentenburg, Lima
J. Douglas Woodruff, Columbus

Bachelor of Science in Nutrition

Heidi Elizabeth Feist, North Canton

College of Law

Dean: Francis X. Beytagh, Jr.

Juris Doctor

Donna Williams Alexander, Cleveland Heights
B.A. (Bowling Green State University)

Melani Cameron Anderson, Columbus

Ruth Bope Dangel, Columbus
B.S.Nurs.

Portia Adele Furcron, Cleveland
B.A. (Ohio Wesleyan University)

Stephanie Mason Jackson, Reynoldsburg
B.S. (Bowling Green State University)

Daniel Jefferson Kading, Columbus
B.A.

Price Clarence Kellar III, Logan
B.S.Agr.

David Manahan, Napoleon
B.S. (Bowling Green State University)

Susan Allison Matulich, Centerburg
B.B.A. (Ohio University)

Susette Camille Putman, Delaware
B.S.Ed.

Anne Louise Shank, Dayton
B.A. (Northwestern University)

James Michael Snyder, Lorain
B.S.Bus.Adms.

Michael Alan Stann, Cleveland
B.A. (Wittenberg University)

Deborah Ann Wagner, Columbus
B.S.J. (Ohio University)

College of Medicine

Dean: Manuel Tzagournis

Doctor of Medicine

Ellen Leeb, Cleveland
B.S. (Case Western Reserve University)

Richard Eugene May, Jr., Uniontown
B.A. (Miami University)

School of Allied Medical Professions

Bachelor of Science in Allied Health Professions

Edward John Fergau II, Highland Park, NJ
Cheryl Denise Forney, Wellington
Carl Edward Hennon III, Toledo
Elizabeth Ann Hone, Bucyrus
Christine Louise Jarus, Columbus
Myrna Luna, Guayama, PR
Karen Lynne Marquis, Newark
Randy Douglas McClellan, Bloomdale
Ferede Desalegn Mekuria, Addis Ababa, Ethiopia
Jennifer Joyce Morrison, Bedford
Andrew Joseph Schnack, Columbus
Renee Condrey Smilee, Tampa, FL
Patricia Lynn Stevning, Pell City, AL
Melissa Ruth Webster, St. Clairsville

Certificate of Nurse Anesthesia

Randal Dean Martin, Defiance
B.S.Nurs.

College of Nursing

Dean: Carole A. Anderson

Bachelor of Science in Nursing

Diane Emilia Beilfuss, Lancaster
Mary Ann Bokros, Columbus
Lynn Marie Boyer, Youngstown

Karen Moody Clokey, Westerville
Michelle Ann Draper, Cincinnati
Deirdre Elaine Dye, Centerburg
Rhonda Sue Harlow, Elida
Kathryn Lynn Kanning, Columbus
Siobhan Josephine Kelly, Dayton
Margaret Emma Kennedy, Ashtabula
Diane Kay Lanterman, Berlin Center
Julie Ann Leite, Toledo
Carol Lynn Lockrey, Columbus
Will Crawford Mechling, Pittsburgh, PA
Michael A. Montes, Islip, NY
Karen Louise Ruzicka, Centerville
Colleen Annette Smith, Wilmington
JoAnna Lynn Sutton, Circleville
Judith Susan Svoboda, Worthington
Lynda Jo Vostatek, Wapakoneta
Margot Wallace, Willard

College of Pharmacy

Dean: Albert H. Soloway

Doctor of Pharmacy

David Francis Kisor, Cleveland

Bachelor of Science in Pharmacy

Julie Anne Taddeo Bauers, Mansfield
Yiu Chung Chan, Hong Kong
Victor Louis Ciaramitaro, Cincinnati
Cheryl Sue Findling, Carroll
Gary Andrew Gerst, St. Clairsville
Pee Eng Lee, Malaysia
Shari Lynn MacSwain, Columbus
Jeannine Marie O'Brien, Boston
Stephen Todd Rogers, Dover
Don William Serafini, Martins Ferry
Sheila Sherry Sperling, Beachwood
Gregory John Susko, Findlay

College of Social Work

Dean: Richard E. Boettcher

Bachelor of Science in Social Work

Robert Martin Carter, St. Louis, MO
Denise Lynn Click, Westerville
Ann Frances Sedlock, North Royalton

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 International Studies

Gillian Sue Martin

With Distinction in Medical Technology

Jennifer Joyce Morrison

With Honors in the Liberal Arts

Karl Joachim Rexer

With Honors in the Liberal Arts and With Distinction in English

Jeffrey Scott Plungis

Cum Laude

Alicia M. Adams
Scott Kevin Antalovich
Pamela Joan Arendt
Marilee J. Beach
Deborah Louise Campbell
Julia Annette Cassidy
Su Chin Chang
Karen Marie Clasgens
Susan Karalewitz Dent
Thomas Franklin Ewing
Fulvia Pellegrini Fowler
Hong Ming Fu
Michael P. Garapic
Rajeev Lochan Gorowara
Martin D. Greenwald
Mary Ruth Habeck
Norman Tyrone Haslop
Csaga Katalin Hovanyi
Eugene Stanley Hulshult, Jr.
Lori Ann Iams
Arthur L. Isennagle III
James Paul Jackson
Linda Ann Jenkins
Kathryn Ann Johns
Jennifer Kling
Monica Ann Krepl
Sheryl Lynn Kurelic
Diane Kay Lanterman

Linn Marie Marso
Timothy Paul McDonald
Todd Andrew Miklos
Christine Elizabeth Moody
Deborah Christine Moroz
Becky Friebele Morris
Robert Stuart Naylor
Richard Dickson Owens
Deborah Suzanne Piggott
Amie Lee Preston
Daniel M. Reed
Stephen Todd Rogers
Timothy Craig Schutt
Anna Christine Scott
Susan Marie Spires
J. Steven Weed
Kathy Marie Wenz
James Russell Whitlock
Robin Lynn Yoho
Ka Fai Yu

Cum Laude with Distinction in Civil Engineering

Daniel Jay Rawn

Cum Laude with Distinction in English

William Eugene Hughes

Summa Cum Laude

Jeffrey David Adams
Mohammad Tahsin Alchorbaji Mzaik
Steven Robert Bishop
Paul Keith Blankenbaker
Yiu Chung Chan
Susan Mary Dobos
Stuart Alan Fagin
Anne Marie Gibbs
Dawn Hendricks
Patrick Sheeran Hennessey
Lee Kevin Hoelscher
Kathryn Jean Irwin
Lisa Maria Joseph
Kevin Lee Kagarise
Karen Elaine Kail
Constance Lee Klopp
Wei Wei Lee
Chiew Chooi Mak
Monique Manhal
Ann Elizabeth Melick
Donna Kay Potter
Richard Edward Powers
Philip Lawrence Schenk
Ann Frances Sedlock
Gary Walter Stuhlfauth
Kui Shin Yoo
Nancy Jeanne Vosler
Marilyn Clark Wagner
Harriet Campbell Weeks
Roger A. Wren

**Summa Cum Laude with Distinction
in Anthropology**

Jeffrey Alan Stern

**Summa Cum Laude with Honors in
the Liberal Arts**

Christopher Robert Kupec

THE OHIO STATE UNIVERSITY
OFFICIAL PROCEEDINGS OF THE
ONE THOUSAND TWO HUNDRED AND TWENTY-SIXTH MEETING
OF THE BOARD OF TRUSTEES

Columbus, Ohio, December 4 and 5, 1986

The Board of Trustees met at its regular monthly meeting on Thursday, December 4, and Friday, December 5 1986, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, pursuant to adjournment.

* * *
Minutes of the last meeting were approved.
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December 4 and 5, 1986 meeting, Board of Trustees

The Chairman, Mr. Galbreath, called the meeting of the Board of Trustees to order on December 4, 1986, at 6:30 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: Daniel M. Galbreath, Chairman, Leonard J. Immke, John W. Berry, Hamilton J. Teaford, John J. Barone, Deborah E. Casto, and John W. Kessler.

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Mr. Galbreath reconvened the meeting on December 5, 1986, at 10:15 a.m.

Present: Daniel M. Galbreath, Chairman, Edmund C. Redman, Leonard J. Immke, John W. Berry, Shirley D. Bowser, Hamilton J. Teaford, John J. Barone, and Deborah E. Casto.

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Mr. Galbreath:

Before we get too serious this morning, I would like to comment that I have served on this Board for eight and half years and one of the excitements about being at the head of the table is that I can be close to the coffee pot. And I note now that we are out of coffee. I was reminded by Ms. Casto that we are also out of heat. So Mr. Barone suggested that we have our February meeting in Florida and that you would all make it. We'll vote on that a little later on. I guess I really shouldn't have started it off that way, but it must be the Holiday spirit. One of our guests today is Mr. Michael Klepper, a senior in the Colleges of the Arts and Sciences, who would like to discuss something with us. Mr. Klepper, if you will please--

Mr. Klepper:

Thank you. House Bill 845 is a law that requires registration with the Selective Service if a person is to be charged in-state tuition and to receive state financial aid. This law will effectively stop the education of those non-registrants who are currently in school and will similarly influence those who are not yet in college. Ohio State will begin enforcing this law beginning next quarter. I would like to point out reasons why Ohio State shouldn't implement this law and to suggest possible actions that the Board of Trustees could initiate that would alleviate the effects of the law.

Now besides stopping the education of non-registrants, Ohio State should have reservations about implementing this law: some general considerations about the relationship between the individual and the State; considerations about the fairness of House Bill 845 and similar Selective Service laws; and considerations about how the relationship between the University and the State will change under this law. I will only go into detail on the last subject.

Under House Bill 845, state universities will not only be places of research and education, but also tools of coercion -- performing the job customarily done by the Justice Department.

December 4 and 5, 1986 meeting, Board of Trustees

Mr. Klepper: (contd)

So the state university will essentially become a policeman, which isn't its job. But even if it were, then why would untried and unconvicted non-registrants be barred from attending classes, while a tried and convicted murderer wouldn't be?

By preventing non-registrants from attending a university, the particular combination of philosophical, moral, political and religious beliefs that result in a non-registrant being a non-registrant, cannot become part of the academic landscape. Therefore, House Bill 845, in a sense, is a restriction on the communication of ideas. Also, this law could just be the tip of an iceberg. What is to prevent the Government from denying education to people on the grounds of other non-academic reasons, such as having AIDS or espousing world communism? And what is to prevent the Government from having universities implement other programs, for example, quota systems on admissions?

For these reasons, maybe Ohio State should do something other than blindly enforce the law. Now at the two extremes Ohio State could complacently enforce the law, or could outright refuse to enforce this. But intermediate reactions are possible, such as denying state aid to non-registrants, but refuse to raise tuition. Or, create an alternative financial aid package designed to alleviate the effects of House Bill 845. Other than just enforcing the law, the choice of creating an alternative financial aid seems to be the most legally safe, but that's for lawyers to decide. I think it is worth pointing out, though, that several universities, such as the Universities of California and Iowa, have chosen to do just this. It is also worth pointing out that the creation of an alternative financial aid program would not be in conflict with the Government's goal of attaining 100% draft registration compliance, but only in conflict with the means it employs.

So, I think, two things are needed: discussion to decide what action would be best, and if anything other than enforcing the law blindly is chosen in the determination, to follow through with that decision. Thank you. I will be willing to take any questions that you have.

Mr. Galbreath:

Thank you, Mr. Klepper. Let me ask one thing, is House Bill 845, is that a state or federal bill?

Mr. Klepper:

State bill.

President Jennings:

There are two laws. There is a state law that Michael described that requires out-of-state tuition for non-registrants unless, of course, there is an exception. There are exceptions for religion and that type of activity. The federal law makes one ineligible for federal financial aid if one is not a draft registrant.

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Mr. Klepper:

I beg to differ with you, Mr. President. Draft registration is required of all people and there is no Conscientious Objector status.

President Jennings:

I thought there was a--

Mr. Teaford:

Not from registration.

President Jennings:

Not from registration, but you can get an exemption from service because of religious reasons.

Mr. Teaford:

If there was service connected with registration, you could get an exemption.

Mr. Galbreath:

Have both of these bills passed?

President Jennings:

Yes. They are law.

Mr. Teaford:

And the University is enforcing them.

President Jennings:

We are.

Mr. Teaford:

What penalty will the University suffer by not enforcing them?

President Jennings:

I don't think there is a penalty in the law, but obviously the State could force us.

Mr. Thompson:

There are two things: number one is, as you were saying, there could be an injunction action, for example, to require us to comply with the law. But the other penalty is, in essence, the loss of state subsidy if, in fact, we do not comply with this provision of the law.

Mr. Klepper:

But by creating an alternative financial aid program that uses

December 4 and 5, 1986 meeting, Board of Trustees

Mr. Klepper: (contd)

non-state funds, then Ohio State would still be enforcing the law, but the law wouldn't have as much impact as was intended to do so.

Mr. Thompson:

The difficulty, however, is -- you mentioned California and Iowa. Their state laws are different than the state law that has been enacted here. But the difficulty is, it's sort of a Catch-22, in a sense. If you provide the alternative financial aid, it is state aid, because it is coming from state funds. And therefore, you are in a never ending cycle as to how to -- in other words, you would not be eligible if you had not registered for the draft for that aid given to persons who have not registered, because it is state aid through the University.

President Jennings:

Independent of what the source of the money is.

Mr. Thompson:

Exactly.

Mr. Klepper:

I see --

Mr. Teaford:

I mean, as I understand it, the University is not at all happy that they have been put in the position of an enforcement tool of a Federal or State policy. To that extent we are certainly sympathetic to what you are saying, Mr. Klepper. If they want to have laws on that subject, they should enforce them themselves, rather than forcing us to do it. I think we are in a Catch-22, at this point.

President Jennings:

Yes, this both locally -- we have been opposed to that legislation and our national organizations have been opposed to that legislation -- not on political grounds, but on grounds of being an enforcement agent that we are not equipped to deal with. As a matter of fact, the problem with this is just not a denial of students, it is very costly to invoke these enforcement mechanisms.

Mr. Galbreath:

Thank you, Mr. Klepper. I appreciate your being here and that you would go through the proper channels to come before us and we encourage that participation. Thank you very much.

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December 4 and 5, 1986 meeting, Board of Trustees

Mr. Galbreath: (contd)

We have another special guest, Malcolm Baroway, who has a presentation to make to us.

Mr. Baroway:

Thank you, Mr. Galbreath. I will be, in a moment, presenting a new logo or symbol for the University. Appropriately, last night, those of you who might have been watching television after the basketball game, you might have seen OSU play Missouri, and I'm not sure who won. The score was ten to six in favor of OSU at about midnight when I turned it off. OSU, of course, was Oklahoma State University. It was on national television and millions of people were watching. I will be presenting a brief rationale and slides here as to why we have decided to make a new logo for the University. If I can have the slides.

Basically, we are in visual society now in which an institution can have a name -- an oral name, but an institution also has a visual name, a visual identity. And of course, the first types of institutions that recognized that in this country were institutions that themselves were visual -- newspapers. So if you might close your eyes at sometime and try to visualize the Wall Street Journal or the New York Times or The Columbus Dispatch, you will probably see a type face. If you do the same in magazines, you see a type face in which the name of the institution is identified with the way it looks. And, of course, in the corporate world DuPont, E. F. Hutton, Eaton, there are thousands of examples, Kodak, Coca Cola, Giorgio.

Since 1977, the Ohio State identification has purely been OSU. There is really nothing wrong with OSU, it has a classic identification in itself. But there are at least three OSU's with national identity -- some people have said that there is a fourth OSU. Anytime that we present OSU, the symbol, as an identity, we have to attach the caveat, The Ohio State University, as far as using it on University publications, on television spots that we produce for the bowl games for national television, and they are getting more and more numerous. In case you wonder whether other universities who are sometimes known by initials, have an identity, a visual look to the name, most of them do. Here is an example. We took it off some ads in the Chronicle of Higher Education. NYU is, of course, NYU to a lot of people, but it has a visual look, New York University. University of Pittsburgh is Pitt to a lot of people, but it has a University of Pittsburgh identity, as does Harvard, as does Illinois, as does Iowa, as do most of the institutions. Here are some examples, some of them right from our State -- Kent State, Wright State, Toledo, Miami University, and we just grabbed a few others there, that have a visual identity for the name of the institution.

Our identity has been since 1977, OSU. And there certainly are still reasons for that application. And to add an identity -- we are not in anyway going to take the OSU off of Larkins Hall or to eliminate some of the major ones. But over time, we will phase in a different logo in the many situations in which you see OSU on campus, in other materials and situations -- the

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Mr. Baroway: (contd)

University buses, signage. That is the back of University publications (slide), of which we produce, in our office alone, about 500 a year. We are presenting to you a classic identity -- The Ohio State University. It is a version of a type face called palatino. It exemplifies, to me, an institution that has a history, that is classic, that is excellent, and one that is classic in itself.

These are some examples of letterheads that we have set up for the identity and there are, I believe you have seen, some calling cards. The words "Ohio State" can be plucked out of the logo itself and used in certain applications. That is the same type face without the box. And there will be applications for the Ohio State in a more informal situation. That is the logo and that is the end of the presentation. We have a classic item to distribute at the end of the meeting and that would be the first Ohio State University T-shirts with the new logo on it, which we had produced -- in the tradition of student government -- for this meeting.

Mrs. Bowser:

When they write the history of your Presidency --

President Jennings:

Now watch it, Shirley --

Mrs. Bowser:

You are going to go down as having taken Columbus out of the seal, and now the new logo -- got rid of OSU.

Mr. Galbreath:

Everybody has to be known for something. Mr. President, is this open for debate? You know I would like to ask, I noticed that two of the letters in State are joined together is that by the style that you talk about, whatever that name was?

Mr. Baroway:

That's right, that was done on purpose. It is combining them to unify the letters, so you get a feeling of a whole word there, as opposed to separate letters.

Mr. Galbreath:

That is not a gimmicky thing, that's the style of script that you are using?

Mr. Baroway:

That was done on purpose. It takes the letters and closes them up so that they are connected, yes, Sir.

Mrs. Bowser:

You have four letters in Ohio and you are trying to condense the

December 4 and 5, 1986 meeting, Board of Trustees

Mrs. Bowser: (contd)

five letters of State, I judge?

Mr. Baroway:

We are trying to condense them so that they take the same horizontal space, that is correct.

Mrs. Bowser:

Now what I want to know is, are we going to have the band change the Script Ohio?

Mr. Baroway:

This does not change the registered and liscenced symbols of the institution -- Script Ohio, the Block O, the University Seal, Brutus Buckeye. These are all registered. We don't lose them, we simply gain another symbol that we will use as a symbol for the institutional name.

Mr. Galbreath:

Shirley, rumor has it that the only other change in Script Ohio is that the President is going to dot the "i." Thank you, Malcolm.

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AMENDMENTS TO THE BYLAWS OF THE BOARD OF TRUSTEES
AND RULES OF THE UNIVERSITY FACULTY

Resolution No. 87-57

Synopsis: Amendments to the Bylaws of the Board of Trustees and Rules of the University Faculty are proposed.

WHEREAS the Vice President for Academic Affairs and Provost has made recommendations regarding the reorganization of the administration for the Regional Campuses and the Colleges of the Arts and Sciences which resulted in the creation of the new titles of Coordinating Dean for Regional Campuses, Coordinating Dean for Arts and Sciences, and Dean for Undergraduate Studies for Arts and Sciences; and

WHEREAS pursuant to rule 3335-1-09 of the Administrative Code and upon recommendation of the President, the following changes in bylaw 3335-1-03 (Q), and rules 3335-3-22, 3335-3-261, 3335-3-28, 3335-3-291, 3335-3-30, and 3335-5-091, rescission of rule 3335-3-175 and the creation of new rules 3335-3-262 and 3335-3-301 are proposed as follows:

BYLAW

3335-1-03 Administration of the university.

(Q) Council of deans.

- (1) The president of the university, the vice president for academic affairs and provost, the deans of the colleges, the

December 4 and 5, 1986 meeting, Board of Trustees

AMENDMENTS TO THE BYLAWS OF THE BOARD OF TRUSTEES
AND RULES OF THE UNIVERSITY FACULTY (contd)

vice president for research and graduate studies, the dean of the graduate school, the deans and directors of the regional campuses, the dean for undergraduate studies for arts and sciences, and the director of libraries shall comprise the council of deans of the university. The president shall be chairperson of the council, the vice president for academic affairs and provost shall be vice chairperson, and the vice president for academic affairs and 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 vice president for academic affairs and provost.

- (2) The council of deans shall meet on the call of the chairperson. The council of deans shall serve as an advisory council to the president.

RULES

3335-3-175 to be rescinded.

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 vice president for research and graduate studies, the dean of the graduate school, the deans and directors of the regional campuses, the dean for undergraduate studies for arts and sciences, and the director of libraries shall comprise the council of deans of the university. The president shall be chairperson of the council, the vice president for academic affairs and provost shall be vice chairperson, and the vice president for academic affairs and 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 vice president for academic affairs and provost.

- (B) The council of deans shall meet on the call of the chairperson. The council of deans shall serve as an advisory council to the president.

3335-3-261 Establishment of regional campuses.

- (A) There shall be four regional campuses of the university located at Lima, Mansfield, Marion, and Newark, Ohio. The administrative head of each regional campus shall be a dean and director.
- (B) The four regional campuses shall be administered separately by their respective deans and directors. However, matters of common concern to the regional campuses shall be coordinated through a coordinating council of regional campus deans and directors. The coordinating dean for regional campuses, created in rule 3335-3-262 of the Administrative Code, shall serve as chairperson of the council.

3335-3-262 Coordinating dean for regional campuses.

- (A) There shall be a coordinating dean for regional campuses. The coordinating dean shall be appointed from among the four regional campus deans and directors by the vice president for academic

December 4 and 5, 1986 meeting, Board of Trustees

AMENDMENTS TO THE BYLAWS OF THE BOARD OF TRUSTEES
AND RULES OF THE UNIVERSITY FACULTY (contd)

affairs and provost in consultation with the president to serve a two-year term and shall be eligible for reappointment.

- (B) The coordinating dean for regional campuses shall report to the vice president for academic affairs and provost.
- (C) The coordinating dean for regional campuses shall serve as chairperson of the coordinating council of regional campus deans and directors (see rule 3335-3-261 of the Administrative Code).
- (D) The coordinating dean for regional campuses shall also be responsible for such other matters pertinent to the regional campus which may be designated by the vice president for academic affairs and provost.

3335-3-28 Organization of the colleges of the arts and sciences.

- (A) The colleges of the arts and sciences shall consist of: the five colleges so designated by rule 3335-3-26 of the Administrative Code; the faculty of the arts and sciences as created by rules 3335-5-26 to 3335-5-28 of the Administrative Code; and a coordinating council of deans comprised of the deans of the five colleges and the dean for undergraduate studies for arts and sciences as created by rule 3335-3-301 of the Administrative Code.
- (B) The five colleges in the arts and sciences shall be administered separately by their respective deans, and their individual faculties shall have jurisdiction over college academic programs and the nature and content of courses offered. However, matters of common concern to the several colleges shall be coordinated through the coordinating council of deans. The coordinating dean for arts and sciences, created by rule 3335-3-30 of the Administrative Code, shall serve as chairperson of the coordinating council of deans.
- (C) Student personnel services and student records for the colleges of the arts and sciences shall be administered by the colleges of the arts and sciences.

3335-3-291 Dean and director of a regional campus.

- (A) There shall be a dean and director of each regional campus who shall be a member of its faculty and the administrative head of the regional campus. The dean and director shall be appointed by the board of trustees upon nomination of the vice president for academic affairs and provost in consultation with the president. Before making this nomination, the vice president for academic affairs and provost or designee shall confer with the regional campus faculty, the department or school in which the faculty appointment would be made, and shall consider the recommendations of the deans of the colleges with regular faculty assigned to that campus.
- (B) The major responsibility of each regional campus dean and director shall be that of providing active leadership in the promotion, direction, and support of educational activities and research opportunities, 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 the dean and director shall have

December 4 and 5, 1986 meeting, Board of Trustees

AMENDMENTS TO THE BYLAWS OF THE BOARD OF TRUSTEES
AND RULES OF THE UNIVERSITY FACULTY (contd)

administrative responsibility for the program of the regional campus subject to the approval of the vice president for academic affairs and provost or designee, the president, and the board of trustees.

These administrative responsibilities shall include the duty:

- (1) To preside at meetings of the faculty executive committee and to appoint members to regional campus committees unless the method of selection is determined by the Administrative Code or by the regional campus faculty.
- (2) To develop in consultation with the faculty a pattern of administration for the regional campus following the principles set forth in paragraph (B)(2) of rule 3335-3-35 of the Administrative Code.
- (3) To communicate to the regional campus community the educational programs, standards, and policies of the campus and the university.
- (4) To establish the extent and variety of course offerings on the regional campus in consultation with the vice president for academic affairs and provost or designee, the appropriate college deans, department chairpersons or school directors, and the faculty of the regional campus.
- (5) To consult with the appropriate college dean and department chairperson or school director and to jointly offer employment to prospective faculty members assigned to the campus.
- (6) To assist the appropriate college deans, department chairpersons, and school directors in the annual review of all faculty assigned to the regional campus. This assistance shall include a written evaluation of the faculty member's teaching, research, and service activities on and for the regional campus. The regional campus dean and director shall be consulted when a regional campus faculty member is being considered for promotion and tenure and may suggest such candidates to the appropriate chairpersons and directors.
- (7) To prepare and administer the regional campus budget in consultation with the regional campus faculty budget committee; to consult with the appropriate chairperson or director regarding faculty salary recommendations; to be responsible for the management, maintenance, and security of the physical plant and capital equipment of the regional campus.
- (8) To maintain liaison with community councils and agencies and to garner support of regional campus programs and activities.
- (9) To develop, promote, and maintain educational, cultural, and service programs with approval of the appropriate university bodies and administrative officials. The dean and director shall review all such programs periodically.
- (10) Consult with the coordinating dean for regional campuses on matters of common concern to the regional campuses.

December 4 and 5, 1986 meeting, Board of Trustees

AMENDMENTS TO THE BYLAWS OF THE BOARD OF TRUSTEES
AND RULES OF THE UNIVERSITY FACULTY (contd)

- (C) The dean and director shall also be responsible for such other matters pertinent to the regional campus which may be designated by the vice president for academic affairs and provost or designee.

3335-3-30 Coordinating dean for arts and sciences.

- (A) There shall be a coordinating dean for arts and sciences who shall be a member of the coordinating council of deans for arts and sciences. The coordinating dean shall be appointed by the vice president for academic affairs and provost, in consultation with the president, for a two-year term and shall be eligible for reappointment.
- (B) The coordinating dean for arts and sciences shall report to the vice president for academic affairs and provost.
- (C) The coordinating dean for arts and sciences shall serve as chairperson of the coordinating council of deans of the colleges of the arts and sciences (see rule 3335-3-28 of the Administrative Code).
- (D) The coordinating dean for arts and sciences shall also be responsible for such other matters pertinent to the arts and sciences which may be designated by the vice president for academic affairs and provost.

3335-3-301 Dean for undergraduate studies for arts and sciences.

- (A) There shall be a dean for undergraduate studies for arts and sciences who shall be a member of the faculty of the arts and sciences charged with implementing policies of the faculty as set forth in paragraphs (E) and (F) of this rule. The dean for undergraduate studies shall be appointed by the board of trustees upon nomination by the vice president for academic affairs and provost in consultation with the president. Before making this nomination, the vice president for academic affairs and provost shall confer with members of the faculty of the arts and sciences.
- (B) The dean for undergraduate studies for arts and sciences shall report to the coordinating dean for arts and sciences.
- (C) The dean for undergraduate studies for arts and sciences shall be a voting member of the coordinating council of deans of the colleges of the arts and sciences (see rule 3335-3-28 of the Administrative Code).
- (D) The dean for undergraduate studies for arts and sciences shall implement policies of the faculty of the arts and sciences with respect to the following:
- (1) Curricula and requirements for "untagged" baccalaureate programs and development of new and useful programs in this area.
 - (2) Basic education requirements for all undergraduate students.
 - (3) The retention and further development of curricula assigned specifically for the general education of undergraduate

December 4 and 5, 1986 meeting, Board of Trustees

AMENDMENTS TO THE BYLAWS OF THE BOARD OF TRUSTEES
AND RULES OF THE UNIVERSITY FACULTY (contd)

students.

- (4) A general honors program for the arts and sciences.
 - (5) Counseling and record services and attendant procedures.
 - (6) Coordination of student intercollege transfers involving the arts and sciences.
- (E) The dean for undergraduate studies for arts and sciences shall be responsible for the fulfillment and certification of the untagged degree requirements in the arts and sciences.
- (F) The dean for undergraduate studies for arts and sciences shall, in cooperation with the dean of university college, be responsible for the coordination of university college counseling and curricular development with that of the arts and sciences. Specifically, the dean for undergraduate studies shall keep university college informed of all changes in curricular requirements and other matters pertaining to academic counseling, and in this manner assist in achieving consistency of counseling in the university college with that in the arts and sciences.
- (G) The dean for undergraduate studies for arts and sciences shall be consulted by the deans of the individual colleges on personnel matters relating to faculty primarily engaged in undergraduate instruction.
- (H) With the approval of the faculty of the arts and sciences, or its designated representative body and the coordinating dean of arts and sciences, the dean for undergraduate studies may appoint committees from the faculty of the arts and sciences to work with him/her in the implementation of those policy areas as outlined in paragraph (D) of this rule. Should there be established a curriculum committee of the faculty of the arts and sciences, the dean for undergraduate studies shall serve as its chairperson ex officio.
- (I) The dean for undergraduate studies for arts and sciences shall also be responsible for such other matters pertinent to the arts and sciences which may be designated by the coordinating dean for arts and sciences.

3335-5-091 Communication with the vice president for academic affairs and provost.

- (A) Each faculty member assigned to a regional campus shall have the right to transmit, through the dean and director, to the vice president for academic affairs and provost or designee, any communication bearing upon the work in which he/she is personally engaged, and the dean and director shall promptly transmit to the vice president for academic affairs and provost or designee any communication so received. For faculty with the rank of professor, this usual method of communication may be altered in an individual case.
- (B) This rule shall in no way limit the vice president for academic affairs and provost or designee in communicating with the regional

December 4 and 5, 1986 meeting, Board of Trustees

AMENDMENTS TO THE BYLAWS OF THE BOARD OF TRUSTEES
AND RULES OF THE UNIVERSITY FACULTY (contd)

campus faculty.

NOW THEREFORE

BE IT RESOLVED, That the foregoing amendments to the Bylaws of the Board of Trustees and the Rules of the University Faculty be adopted.

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

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AMENDMENTS TO THE RULES OF THE UNIVERSITY FACULTY

Resolution No. 87-58

Synopsis: Amendments to rule 3335-9-22 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 the Rules of the University Faculty; and

WHEREAS the University Senate approved changes to rule 3335-9-22 of the Rules of the University Faculty on December 7, 1985, as follows:

3335-9-22 Group absences.

- (A) Whenever possible, group absences shall be planned so that they do not conflict with regularly scheduled classes.
- (B) Group absences which are a necessary part of a class scheduled in the university must be authorized by the chairperson of the department or director of the school in which the class is scheduled.

Group absences which are a necessary part of a non-class function of the university must be authorized by the office of student programs and development who coordinates all student activities. In the latter instance, the person authorizing the absence shall file in the office of student programs and development, a letter containing: a list of names of all of the students involved, the dates and times of the absence, and a complete explanation of the purpose of the absence. The person authorizing the absence shall distribute a copy of this letter to each student involved in the group absence.

The student may then present his copy of the letter to each instructor of the classes from which the student will be absent. This letter may be the basis of an excuse for an absence from class under the policies provided in rule 3335-9-21 of the Administrative Code.

NOW THEREFORE

BE IT RESOLVED, That rule 3335-9-22 of the Rules of the University Faculty be amended as approved by the University Senate.

December 4 and 5, 1986 meeting, Board of Trustees

AMENDMENTS TO THE RULES OF THE UNIVERSITY FACULTY (contd)

Upon motion of Mrs. Bowser, seconded by Ms. Casto, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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PERSONNEL ACTIONS

Resolution No. 87-59

RESOLVED, That the personnel actions as recorded in the Personnel Budget Records of the University since the November 7, 1986 meeting of the Board, including the following Change in Title, Concurrent Appointments, Appointments, Reappointment of Chairperson of Department, Leaves of Absence Without Salary, Leave of Absence Without Salary--Continuation, Professional Improvement Leave--Cancellation, Emeritus Titles, and Emeritus Title--Change of Date as detailed in the University Budget be approved, and the Medical Staff Appointments/Reappointments approved November 20, 1986, by the Hospitals Board be ratified.

Change in Title

Name: THOMAS A. WILLKE
Title: Dean for Undergraduate Studies for Arts and Sciences
Office: Academic Affairs
Effective Period: January 1, 1987 - June 30, 1988
Salary: N/A
Present Assignment: Vice Provost for the Colleges of the Arts and Sciences, Office of Academic Affairs

Concurrent Appointments

Name: JAMES S. BIDDLE
Title: Coordinating Dean for Regional Campuses
Office: Academic Affairs
Effective Period: January 1, 1987 - December 31, 1988
Salary: \$73,520.00
Present Assignment: Dean/Director, Lima Campus (No Change)

Name: JOAN N. HUBER
Title: Coordinating Dean for Arts and Sciences
Office: Academic Affairs
Effective Period: January 1, 1987 - December 31, 1988
Salary: \$79,760.00
Present Assignment: Dean, College of Social and Behavioral Sciences (No Change)

Appointments

Name: RAY D. RYAN, JR.
Title: Executive Director/Associate Professor
Center/Department: National Center for Research in Vocational Education/Educational Policy and Leadership
Effective: December 15, 1986
Salary: \$75,000.00
Present Position: Associate Professor of Industrial Technology and Coordinator of Industrial Vocational Education, College of Engineering, Arizona State University

December 4 and 5, 1986 meeting, Board of Trustees

PERSONNEL ACTIONS (contd)

Appointments (contd)

Name: STANLEY J. DUDRICK
Title: Chairperson/Professor
Department: Surgery
Effective Period: July 1, 1987 - June 30, 1991
Salary: \$80,040.00
Present Position: Clinical Professor of Surgery, The University of Texas Medical School at Houston; Attending Surgeon, St. Luke's Episcopal Hospital, Houston, Texas

Reappointment of Chairperson of Department

October 1, 1986 through June 30, 1987

Veterinary Anatomy

Carleton L. Lohse*

*Acting Chairperson

Leaves of Absence Without Salary

JAYASHREE RAMANATHAN, Associate Professor, Department of Computer and Information Science, effective Autumn Quarter 1986, Winter Quarter and Spring Quarter 1987, to pursue new funding sources.

BERYL J. JACKSON, Assistant Professor, Cooperative Extension Service, effective November 5, 1986, through November 30, 1986, for medical reasons.

Leave of Absence Without Salary--Continuation

MARLENE B. LONGENECKER, Director and Associate Professor, Center for Women's Studies and Department of English, effective January 1, 1987, through September 30, 1987, to continue appointment in the Governor's office.

Professional Improvement Leave--Cancellation

WILLIAM D. TAYLOR, Associate Professor, Department of Educational Theory and Practice, effective Winter Quarter and Spring Quarter 1987.

Emeritus Titles

ROLF H. SOELLNER, Department of English, with the title Professor Emeritus, effective April 1, 1987.

BEULAH M. HILL, Cooperative Extension Service, with the title Assistant Professor Emeritus, effective November 1, 1986.

Emeritus Title--Change of Date

WILLIAM FORM, Department of Sociology, with the title Professor Emeritus, effective July 1, 1986, change to July 1, 1987.

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

December 4 and 5, 1986 meeting, Board of Trustees

RESOLUTION IN MEMORIAM

Resolution No. 87-60

Synopsis: A resolution honoring the service of one of the 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.

H. Wayne Ramsey

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on October 18, 1986, of H. Wayne Ramsey, Professor Emeritus in the School of Music.

Dr. Ramsey was originally from New Concord, Ohio, where he attended public school and subsequently graduated from Muskingum College. He taught in public schools within Ohio, prior to receiving his Master's and Ph.D. degrees from The Ohio State University. Dr. Ramsey was an instructor in vocal and instrumental music in the University School at The Ohio State University from 1950 to 1952; a faculty member in the School of Music, Music Education Division, from 1952 until his retirement in 1984; and Chairman of the Music Education Division from 1969 to 1975. He was a veteran of WW II, serving in the U.S. Army 716th Tank Battalion. Dr. Ramsey was an elder in the Overbrook Presbyterian Church and also attended Xenos Christian Fellowship.

Dr. Ramsey was active in his service to the music education profession. For the Ohio Music Education Association he served as treasurer and convention chairman; and was member of executive, junior high school, higher education, curriculum, and district reorganization committees. He served as a member of the Music Educators National Conference advisory board for the National Council on Instruction. He also served as clinician, consultant and advisor to schools and organizations too numerous to mention, and was a frequent member of various accreditation teams. Dr. Ramsey was a student-centered professor, and encouraged many of those students showing promise to consider teaching in urban settings.

Wayne Ramsey worked diligently for his profession, and it was often his presence and wisdom that provided the needed momentum and perspective in developing a receptive climate for music education for all students within Ohio. Further recognizing his contributions to music education within the State, the Ohio Music Education Association awarded him the prestigious Distinguished Service Award at their 1984 annual conference held in Dayton.

Dr. H. Wayne Ramsey's contributions during his lifetime have proven repeatedly that he cared about people, and that he cared enough to devote the necessary time to assure, as best he could, that the present and future generations of school-age children receive quality music education instruction. It is because of his caring, quite, unrelenting advocacy that he will be deeply missed by his colleagues and students.

On behalf of the University, the Board of Trustees express to the family its 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 4 and 5, 1986 meeting, Board of Trustees

RESOLUTION IN MEMORIAM (contd)

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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REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS

Resolution No. 87-61

Synopsis: The reports on contracts, grants, and gifts and the summary for October 1986 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 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 and The Ohio State University Development Fund during the month of October 1986 be approved.

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

SUMMARY FOR OCTOBER 1986

Source	No. of Projects	Support Level
The Ohio State University Research Foundation	94	\$10,276,848.71
Engineering Experiment Station	23	\$ 242,754.00
Total	117	\$10,518,602.71

The Ohio State University Development Fund

Establishment of Named Funds

The Biotechnology Professorship in Plant Tissue Culture and Cellular Genetics Fund (Salary and program support for an outstanding researcher and teacher)	\$ 123,000.00
The Harry C. Moores Scholarship Fund (Scholarships - education)	\$ 100,000.00
The James W. Overstreet/Columbus Foundation Scholarship Fund (Undergraduate scholarships)	\$ 100,000.00

December 4 and 5, 1986 meeting, Board of Trustees

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

SUMMARY FOR OCTOBER 1986 (contd)

The Ohio State University Development Fund (contd)

Establishment of Named Funds (contd)

The College of Education Fund for Excellence (Support programs)	\$ 15,000.00
Marlowe and Oscar F. Axene Merit Scholarship in Agriculture (Scholarships)	\$ 10,000.00
The D. J. and J. N. Knull Fund in Entomology (Systematic entomological research and curatorial work)	\$ 10,000.00
Seneca County 4-H Endowment Fund (Support the Seneca County 4-H Program)	\$ 7,120.00
Edward L. Fox Memorial Fund (Research support to postdoctoral fellows in human exercise physiology in the Division of Physical Education)	\$ 6,890.00
Class of 1936 Scholarship Fund (Scholarships)	\$ 6,642.00
The Walter C. Rothenbuhler Travel Scholarship Fund (Awarded to students engaged in research on the honey bee)	\$ 6,500.00
The Joe Crosswhite Fund in Mathematics Education (To make a competitive award for outstanding performance in the initial certification program for secondary school mathematics teachers)	\$ 6,265.00
The Roy B. McCauley Welding Engineering Alumni Endowment Fund (Aid research, teaching and service programs)	\$ 5,438.00
The Roy A. Larmee Memorial Fund (Support the work of faculty and/or graduate students in educational administration)	\$ 5,150.00
Emmett H. Karrer Award Fund (Scholarship to an outstanding civil engineering student in construction engineering)	\$ 5,010.00
Sara Ann Leach Adams Loan Fund (Used to help students in studying orthodontics)	\$ 5,000.00
The Excellence in Biochemistry Fund (Support of excellence in teaching and research)	\$ 5,000.00

December 4 and 5, 1986 meeting, Board of Trustees

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

SUMMARY FOR OCTOBER 1986 (contd)

The Ohio State University Development Fund (contd)

Establishment of Named Funds (contd)

Carl O. Boucher Memorial Fund

(To enrich and enhance the quality of clinical
and research endeavors in the removable
prosthodontic section of the College of Dentistry) \$ 5,000.00

Thomas A. and John E. Hamrick Pickaway County
Scholarship Fund

(Scholarships - Colleges of Agriculture and
Home Economics) \$ 5,000.00

The Thomas Huxley Langlois Research Fellowship

(Support research fellowships for scholarly
work at the F. T. Stone Laboratory) \$ 5,000.00

The Samuel A. and Iona L. Patterson Endowed Fund
in Agriculture

(Used to fund innovative projects) \$ 5,000.00

The Irving R. Silver Memorial Fund

(Aid research, teaching and service programs
in the Department of Welding Engineering) \$ 5,000.00

The Robert B. Sutton Lecture in History of
Education

(Support Sutton Lecture) \$ 5,000.00

The Excellence in Zoology Fund

(Support excellence in teaching and research) \$ 5,000.00

Change in Description of Named Funds

The Richard Delaney Athletic Scholarship Fund

Marian K. Thomas Horticulture Fund

December 4 and 5, 1986 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Report - October 1986

Federal Research Contracts/Grants

\$3,203,605.00 - Department of Labor, Employment and Training Administration, Washington, DC, National Longitudinal Surveys of Labor Market Experience, Center for Human Resource Research (K. I. Wolpin), 1 July 1986 through 30 September 1988. (Project 765719 - Continuation)

\$1,614,123.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, OSU Comprehensive Cancer Center Support (Core) Grant, Cancer Research Center (D. S. Yohn), 30 September 1986 through 30 June 1987. (Project 763976 - Continuation)

\$550,300.00 - Department of Commerce, National Oceanic and Atmospheric Administration, Rockville, MD, Ohio Sea Grant - 1986-1987, Center for Lake Erie Research (C. E. Herdendorf and J. M. Reutter), 1 September 1986 through 31 August 1987. (Project 764320 - Continuation)

\$311,824.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, Transmural Transport in Blood Vessels, Department of Pathology (D. L. Fry), 1 September 1986 through 31 August 1987. (Project 763184 - Continuation)

\$300,000.00 - International Development Cooperation Agency, Agency for International Development, Washington, DC., Philippines Rural Financial Services Project, Department of Agricultural Economics and Rural Sociology (R. L. Meyer), 1 September 1986 through 31 August 1988. (Project 763301 - Continuation)

\$144,950.00 - Department of the Air Force, Office of Scientific Research, Bolling Air Force Base, DC, Modulating Transfer RNA Anticodon Modification and Biologic Responses in Human Cells, Department of Physiological Chemistry and Cancer Research Center (R. W. Trewyn), 15 October 1984 through 14 October 1987. (Project 764432 - Continuation)

\$142,503.00 - International Development Cooperation Agency, Agency for International Development, Washington, DC, Ecology of the Virus and Mollicutes of Maize and of Their Dalbucus Vectors in Costa Rica and Mexico, Department of Plant Pathology - OARDC (D. T. Gordon and L. V. Madden) and Department of Entomology - OARDC (L. R. Nault), 29 August 1986 through 28 August 1989. (Project 765712 - New)

\$136,984.00 - National Science Foundation, Washington, DC, Radial Heat Transfer in HeII, Department of Physics (J. T. Tough), 1 December 1986 through 30 November 1989. (Project 765737 - New)

\$136,521.00 - Department of Health and Human Services, Public Health Service, Health Resources and Services Administration, Rockville, MD, Breastfeeding Promotion in a Low Income Urban Population, Department of Pediatrics (L. K. Grossman), 1 October 1986 through 30 September 1987. (Project 765035 - Continuation)

\$117,038.00 - Department of Education, Office of Rehabilitation Services, Washington, DC, Facilitating the Transition from School to Work of

December 4 and 5, 1986 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

Severely Learning Disabled Secondary Students, Department of Human Services Education (B. Growick and M. Klein), 1 October 1986 through 30 September 1987. (Project 765731 - New)

\$114,439.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, Minimizing the Harmful Sequelae of Endotracheal Suction, Department of Life Span Process (K. S. Stone), 28 September 1986 through 27 September 1987. (Project 764427 - Continuation)

\$111,191.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, Cardiac Myocytes and the Cellular Response to Ischemia, Department of Physiological Chemistry (G. P. Brierley), 30 September 1986 through 29 September 1987. (Project 765733 - New)

\$106,701.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, Site Specific Modification of Human Cellular DNA, Department of Physiological Chemistry and Cancer Research Center (G. E. Milo), 30 September 1986 through 31 July 1987. (Project 765728 - New)

\$94,000.00 - Department of Health and Human Services, Public Health Service, Alcohol, Drug and Mental Health, Bethesda, MD, Training in Community Management of EDMR Children, Nisonger Center (D. Hammer) and Department of Pediatrics (J. A. Mulick), 25 September 1986 through 30 June 1987. (Project 765745 - New)

\$90,000.00 - International Development Cooperation Agency, Agency for International Development, Washington, DC, Improvement of Savings and Credit Services by Rural Financial Institutions in Developing Countries, Department of Agricultural Economics and Rural Sociology (R. L. Meyer and J. Havlicek), 28 August 1986 through 31 December 1988. (Project 763301 - Continuation)

\$88,100.00 - Department of Agriculture, Cooperative State Research Service, Washington, DC, Characterization of a Gene Product Associated with Embryogenesis in White Pine, Department of Forestry - OARDC (F. W. Whitmore) and Department of Agronomy (J. C. Kamalay), 15 September 1986 through 30 September 1988. (Project 765725 - New)

\$86,777.00 - International Development Cooperation Agency, Agency for International Development, Washington, DC, U.S. AID Program Support Grant for Fiscal Year 1986-90, International Programs in Agriculture (F. J. Hitzhusen), 29 August 1986 through 30 June 1987. (Project 765750 - New)

\$84,758.00 - Department of the Army, Army Missile Command, Redstone Arsenal, AL, Radar Cross Section Prediction Code Development, Department of Electrical Engineering, ElectroScience Laboratory (R. J. Marhefka), 30 September 1986 through 29 September 1987. (Project 765718 - New)

\$78,598.00 - National Science Foundation, Washington, DC, The Influence of Interest Groups on Agenda-Setting in the U.S. Supreme Court,

December 4 and 5, 1986 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

Department of Political Science (G. A. Caldeira), 1 September 1986 through 31 August 1988. (Project 765748 - New)

\$73,500.00 - Department of Education, Office of Postsecondary Education, Washington, DC, Cooperative Education Grant for the Professional Practice Program, College of Business - Administration (R. Georges), 1 September 1986 through 31 August 1987. (Project 765722 - New)

\$65,798.00 - Department of Education, Office of Special Education and Rehabilitative Services, Washington, DC, Training Grant in Rehabilitation Counseling, Department of Human Services Education (B. Growick and M. Klein), 1 September 1986 through 31 August 1987. (Project 765724 - New)

\$59,250.00 - National Science Foundation, Washington, DC, Ultrastructure of Paleozoic and Mesozoic Pollen and Spores, Department of Botany (T. N. Taylor), 15 October 1986 through 31 March 1988. (Project 764471 - Continuation)

\$58,631.00 - National Science Foundation, Washington, DC, Computer Typesetting of Musical Scores, Department of Computer and Information Science (J. S. Gourlay), 1 November 1986 through 30 April 1988. (Project 765129 - Continuation)

\$55,000.00 - Department of the Air Force, Air Force Systems Command, Bolling Air Force Base, DC, 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 November 1986 through 31 October 1987. (Project 763265 - Continuation)

\$50,816.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, Dietary Induced Aluminum Encephalopathy, Animal Models, Department of Veterinary Pathobiology (J. F. Long), 30 September 1986 through 31 August 1987. (Project 765717 - New)

\$37,771.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, Affinity Probes for Retinoic Acid-Binding Proteins, College of Pharmacy (R. W. Curley), 30 September 1986 through 31 July 1987. (Project 765069 - Continuation)

\$33,273.00 - Department of Education, Office of Educational Resources and Improvements, Washington, DC, Using Research Knowledge to Improve Teacher Education, Department of Educational Policy and Leadership (N. Zimpher), 30 September 1986 through 30 September 1987. (Project 765034 - Continuation)

\$32,000.00 - Department of Agriculture, Animal and Plant Health, Moorestown, NJ, Cooperative National Plant Pest Survey and Detection Program (Ohio Plant Pest Survey), Cooperative Extension State Operations (H. R. Willson), 1 October 1986 through 30 September 1987. (Project 763261 - Continuation)

\$30,996.00 - Department of Health and Human Services, Public Health

December 4 and 5, 1986 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

Service, National Institutes of Health, Bethesda, MD, Development of Sacral Parasympathetic Reflexes, Department of Anatomy (J. C. Bresnahan and M. G. Leedy) and Department of Surgery (M. Beattie), 1 November 1986 through 31 October 1987. (Project 765085 - Continuation)

\$30,500.00 - Department of Agriculture, Cooperative State Research Service, Washington, DC, Pilot Nematode Culture Collection, Department of Plant Pathology - OARDC and Department of Plant Pathology (R. M. Riedel), 4 August 1986 through 30 September 1987. (Project 765721 - New)

\$29,365.00 - National Aeronautics and Space Administration, Lewis Research Center, Cleveland, OH, Analysis of the Scattering from an Inlet Geometry with Lossy Walls, Department of Electrical Engineering, ElectroScience Laboratory (P. H. Pathak), 11 October 1986 through 30 March 1987. (Project 763822 - Continuation)

\$28,503.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, The Neural Control of Temperature Regulations, Department of Physiology (J. A. Boulant), 1 September 1986 through 30 November 1987. (Project 761187 - Continuation)

\$24,500.00 - National Aeronautics and Space Administration, Ames Research Center, Moffett Field, CA, 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 October 1986 through 30 November 1986. (Project 763264 - Continuation)

\$21,123.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, Resolution of Mucosal Change in Chronic Candidiasis, Diagnostic Services (C. M. Allen and F. M. Beck), 1 September 1986 through 31 August 1987. (Project 765738 - New)

\$20,000.00 - Department of Health and Human Services, Office of Human Development Services, Administration on Developmental Disabilities, Kansas City, MO, UAF Administration and Operation, Nisonger Center (V. L. Reynolds), 1 July 1986 through 30 June 1987. (Project 763712 - Continuation)

\$17,992.00 - National Aeronautics and Space Administration, Washington, DC, Rapid Prototyping with Centaurs, Department of Industrial and Systems Engineering (P. J. Smith), 1 October 1986 through 30 September 1987. (Project 765706 - New)

\$14,453.00 - National Science Foundation, Washington, DC, Algebraic Algorithms and Systems, Department of Computer and Information Science (G. E. Collins), 1 October 1986 through 31 January 1988. (Project 765735 - New)

\$9,005.00 - Department of Education, Office of Special Education, Washington, DC, Regional Resource Center - Task 7, Department of Human Services Education (T. Stephens), 1 June 1986 through 31 May 1987. (Project 763600 - Continuation)

December 4 and 5, 1986 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

\$8,000.00 - Department of the Air Force, Office of Scientific Research, Bolling Air Force Base, DC, International Symposium on Molecular Spectroscopy, Department of Physics (K. N. Rao), 1 January 1987 through 31 December 1987. (Project 765192 - Continuation)

\$6,835.00 - Department of Agriculture, Science and Education, Washington, DC, Workshop on Interactions between Soil-Inhabiting Invertebrates in Relation to Plant Growth, Department of Entomology (C. A. Edwards and B. R. Stinner), 21 July 1986 through 31 July 1987. (Project 765756 - New)

\$6,748.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, A 60 KD Oncofetal Protein Associated with Carcinogenesis, Department of Physiological Chemistry (T. E. Webb), 1 August 1986 through 31 July 1987. (Project 765588 - New)

\$5,000.00 - Department of Education, Center for International Education, Washington, DC, Fulbright-Hays Group Projects Abroad - USSR, Department of Slavic and East European Languages and Literatures (L. I. Twarog), 1 August 1986 through 31 July 1987. (Project 765435 - Continuation)

\$3,000.00 - National Aeronautics and Space Administration, Lewis Research Center, Cleveland, OH, Electron Energy Loss Spectroscopy/Transmission Energy Loss Microscopy Studies on Silicon Nitride, Department of Ceramic Engineering (W. E. Lee), 13 August 1986 through 31 December 1986. (Project 765711 - New)

\$2,384.00 - Department of Education, Office of Special Education Rehabilitation Services, Washington, DC, Rehabilitation Long-Term Traineeships, Department of Communication (L. G. Wall), 1 September 1986 through 31 August 1987. (Project 764355 - Continuation)

\$1,417.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, MD, Nickel Promoted Alpha-Alkylation of Carbonyl Compounds, Department of Chemistry (L. A. Paquette and L. D. Burke), 1 September 1986 through 30 September 1986. (Project 764938 - Continuation)

Computer Time - National Science Foundation, Washington, DC, Hydrothermomechanical Response of Geological Media, Department of Engineering Mechanics (S. H. Advani and J. K. Lee), 1 October 1986 through 1 October 1987. (Project 763915 - Continuation) (Approximate Dollar Value - \$14,000)

TOTAL - FEDERAL AWARDS

\$8,238,272.00

State of Ohio Research Contracts/Grants

\$8,438.00 - State of Ohio, Ohio Arts Council, Columbus, OH, Mershon Auditorium 1986-87 Performance Season, Mershon Auditorium (T. M. VanLeer), 1 October 1986 through 1 May 1987. (Project 765739 - New)

December 4 and 5, 1986 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)

\$3,563.00 - State of Ohio, Ohio Arts Council, Columbus, OH, Celebration of Hispanic Awareness Week, Office of Student Life (C. Alvarez-Breckenridge), 1 July 1986 through 30 June 1987. (Project 765716 - New)

\$3,165.00 - State of Ohio, Ohio Historical Society, Columbus, OH, Merrell-Dow Archival Processing Project, College of Pharmacy (R. A. Buerki), 1 August 1986 through 31 December 1986. (Project 765727 - New)

TOTAL - STATE OF OHIO AWARDS \$ 15,166.00

Industrial Research Contracts/Grants

\$297,430.71 - Various Pharmaceutical Labs, Research in Clinical Pharmacology, Department of Pharmacology (N. Gerber), 1 July 1986 through 31 December 1987. (Project 765696 - New)

\$164,434.00 - Pfizer, Inc., Groton, CT, Phase I Double-Blind, Placebo-Controlled Multiple Dose Study to Establish Safety and Pharmacokinetics of CP-73, Department of Pharmacology (N. Gerber), 1 October 1986 through 30 September 1987. (Project 765696 - New)

\$118,028.00 - Sanodoz, East Hanover, NJ, The Efficacy of a Potent Somatostatin Analog (SMS 201-995) in the Management of Type I (Insulin-Dependent) Diabetic Patients, Department of Internal Medicine (K. Osei), 1 June 1986 through 30 November 1987. (Project 765742 - New)

\$74,524.00 - Ross Laboratories, Columbus, OH, Extension of Studies of Rotavirus Diarrhea in Gnotobiotics, Department of Food Animal Health Research - OARDC (L. J. Saif), 1 July 1986 through 31 July 1987. (Project 764255 - Continuation)

\$49,224.00 - E. R. Squibb and Sons, Princeton, NJ, Placebo Controlled Trial of Fosenopril Sodium Added to Chlorthalidone 25 Mg Daily for the Treatment of Mild to Moderate Essential Hypertension, Department of Family Medicine (R. M. Guthrie) and Department of Pharmacology (N. Gerber), 1 September 1986 through 31 August 1987. (Project 765696 - Continuation)

\$40,000.00 - Adria Laboratories, Inc., Columbus, OH, Synthesis of Noval Anthracycline Glycosides, Department of Chemistry (D. Horton), 1 September 1986 through 31 August 1987. (Project 762866 - Continuation)

\$40,000.00 - Adria Laboratories, Inc., Columbus, OH, Synthetic Studies of Anthracycline Synthesis, Department of Chemistry (J. S. Swenton), 1 October 1986 through 30 September 1987. (Project 764025 - Continuation)

\$40,000.00 - Science Applications International Corp., San Diego, CA, Support of Performance Assessment of Engineered Systems, Department of Mechanical Engineering (K. Vafai), 1 October 1986 through 31 December 1986. (Project 765550 - Continuation)

December 4 and 5, 1986 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Industrial Research Contracts/Grants (contd)

\$35,900.00 - Merrell Dow Pharmaceuticals, Inc., Cincinnati, OH, Long-Term MDL 17,043 Treatment of Congestive Heart Failure Patients Following Their Participation in Controlled Studies, Department of Internal Medicine (C. L. Leier), 1 March 1986 through 28 February 1987. (Project 765744 - New)

\$30,000.00 - United Technologies Corporation Research Center, East Hartford, CT, Engineering Kinetics of Coal Devolatilization, Department of Mechanical Engineering (R. H. Essenhigh), 1 November 1984 through 30 September 1987. (Project 764480 - Continuation)

\$24,535.00 - Eli Lilly & Company, Indianapolis, IN, Vancocin-Chromatographically Purified in Serious Infections, Department of Internal Medicine (R. L. Perkins), 1 May 1986 through 31 October 1986. (Project 763852 - Continuation)

\$14,000.00 - Madison County Hospital, London, OH, Madison County Hospital Internship Project, Department of Educational Theory and Practice (J. J. Quaranta), 1 September 1986 through 30 June 1987. (Project 765743 - Continuation)

\$9,331.00 - Bristol-Myers Company, Evansville, IN, Screening of Experimental Ocular Formulations for Treatment of Moraxella bovis Infected Eyes of Cattle, Department of Veterinary Clinical Sciences (J. J. Kowalski and J. Hurley) and College of Veterinary Medicine - Administration (M. Wyman), 1 October 1986 through 30 September 1987. (Project 765751 - New)

\$8,000.00 - Syva Company, Palo Alto, CA, Clinical Study 86-011-000 Acculevel Carbamazepine Blood/Plasma Ratio, Department of Neurology (M. E. Drake, Jr.), 1 November 1986 through 15 March 1987. (Project 765764 - New)

\$4,698.00 - CeramPhysics, Inc., Westerville, OH, Theoretical Model of a Cryovaristor in High Power Switching Applications, Department of Physics (B. R. Patton), 15 July 1986 through 30 September 1986. (Project 765729 - New)

\$3,000.00 - Madison County Hospital, London, OH, Madison County Internship Project, Department of Educational Theory and Practice (J. J. Quaranta), 1 September 1985 through 30 June 1987. (Project 765181 - Continuation)

\$720.00 - American Electric Power Service Corporation, Columbus, OH, Contract Consulting Agreement for Mussel Mitigation, Department of Zoology (D. H. Stansbery), 1 October 1986 through 30 September 1987. (Project 765732 - New)

TOTAL - INDUSTRIAL AWARDS \$ 953,824.71

Other Non-Federal Research Contracts/Grants

\$339,778.00 - W. K. Kellogg Foundation, Battle Creek, MI, Commission on Interprofessional Education and Practice, Department of Educational

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Other Non-Federal Research Contracts/Grants (contd)

Policy and Leadership (L. L. Cunningham), 1 October 1985 through 30 September 1986. (Project 762825 - Continuation)

\$104,247.00 - University of Texas, Dallas, TX, Yeast Mitochondrial DNA Recombination, Department of Genetics (P. S. Perlman), 1 September 1986 through 31 August 1987. (Project 765272 - Continuation)

\$83,985.00 - Children's Hospital Research Foundation, Columbus, OH, Intestinal Transplantation in Inbred Rats, Department of Internal Medicine (P. J. Tutschka), 1 August 1986 through 31 July 1987. (Project 764924 - Continuation)

\$79,607.00 - W. K. Kellogg Foundation, Battle Creek, MI, Computerized Advisory Service for Horticulture (CASH), Department of Entomology - OARDC (F. R. Hall) and Cooperative Extension State Operations (H. R. Willson), 1 August 1986 through 31 July 1987. (Project 764817 - Continuation)

\$50,597.00 - Hannah Neil Center for Children, Columbus, OH, Implementing Behavioral Treatment Activities: A Joint Human Services/Physical Education Internship, School of Health, Physical Education and Recreation (C. L. Mand) and Department of Human Services Education (J. O. Cooper), 1 September 1986 through 31 August 1987. (Project 765740 - Continuation)

\$49,000.00 - United Cerebral Palsy Research Educational Foundation, New York, NY, Effects of GM₁ Ganglioside on Neonatal Hypoxic-Ischemic Brain Damage, Department of Pathology (A. J. Yates), 1 October 1986 through 30 September 1987. (Project 765749 - New)

\$41,456.00 - University of Illinois, Chicago, IL, Technical Assistance for the University of North Sumatra Development Project, Newark Campus (J. S. Greenstein) and Newark Campus and Department of Political Science (H. M. Federspiel), 1 December 1984 through 31 December 1986. (Project 764590 - Continuation)

\$31,850.00 - CompDrug, Columbus, OH, Graduate Student Internship, Department of Human Services Education (D. J. Tosi and P. S. Wise), 1 October 1986 through 30 September 1987. (Project 765734 - New)

\$30,000.00 - Matsushita Foundation, Inc., Secaucus, NJ, Literacy Development through Home and School Computing, Mansfield Campus and Department of Educational Theory and Practice (L. G. Johnson), 15 September 1986 through 14 September 1987. (Project 765720 - New)

\$28,350.00 - Upper Arlington City Schools, Columbus, OH, Upper Arlington Career Education Intern Project, Department of Educational Theory and Practice (J. J. Quaranta), 1 September 1986 through 7 June 1987. (Project 765754 - Continuation)

\$26,549.00 - Columbus Metropolitan Area Community Action Organization, Columbus, OH, Subcontract Assistance to CMACAO Inc. for Development of Youth Competencies Program, The National Center for Research in Vocational Education (C. K. Hansen), 22 September 1986 through 31 October 1987. (Project 765741 - New)

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Other Non-Federal Research Contracts/Grants (contd)

\$25,298.00 - University of Southern California, Los Angeles, CA, The Analysis of Interdependent Decision-Making, Department of Political Science (D. S. Mefford), 1 August 1986 through 31 July 1987. (Project 765704 - New)

\$25,000.00 - Virginia Environmental Endowment, Richmond, VA, School on Water--The Ohio River as an Environmental Classroom, Department of Natural Resources - OARDC and School of Natural Resources (W. J. Mitsch and G. W. Mullins), 1 October 1986 through 30 September 1987. (Project 765730 - New)

\$24,456.00 - Morris Animal Foundation, Englewood, CO, Development and Comparison of in Vitro and in Vivo Techniques to Study Structure, Kinetics, and Control of the Normal and Seborrhic Canine Epidermis, Department of Veterinary Clinical Sciences (K. W. Kwochka), 1 October 1986 through 31 March 1988. (Project 765755 - New)

\$19,850.00 - Morris Animal Foundation, Englewood, CO, Pathogenesis and Treatment of the Humoral Hypercalcemia, Department of Veterinary Pathobiology (C. C. Capen), 1 September 1985 through 31 August 1987. (Project 765091 - Continuation)

\$17,335.00 - Electric Power Research Institute, Palo Alto, CA, Simultaneous Chromizing-Aluminizing of Steels, Department of Metallurgical Engineering (R. A. Rapp), 1 September 1986 through 31 December 1986. (Project 763292 - Continuation)

\$15,000.00 - March of Dimes Birth Defects Foundation, White Plains, NY, A Mammalian Estrogenicity Testing System for Polyhalogenated Hydrocarbons, Department of Dairy Science - OARDC and Department of Dairy Science (C. P. Hodgson) and Department of Dairy Science - OARDC (L. B. Willett), 1 December 1986 through 30 November 1987. (Project 765117 - Continuation)

\$12,000.00 - Del Mar College, Corpus Christi, TX; Manchester Community College, Manchester, CT; Hocking Technical College, Nelsonville, OH; Jefferson Technical College, Steubenville, OH; Guilford Technical Community College, Jamestown, NC; and Greenville Technical College, Greenville, SC, National Postsecondary Alliance, The National Center for Research in Vocational Education (C. K. Hansen), 1 July 1986 through 30 June 1987. (Project 765434 - Continuation)

\$11,877.00 - Cancer Therapy and Research Foundation of South Texas, San Antonio, TX, SWOG Study 8412, Department of Pathology (R. O'Toole), 25 November 1986 through 24 November 1987. (Project 765202 - Continuation)

\$10,000.00 - California Institute of Technology, Pasadena, CA, Application of Nonlinear Least Squares Methods to the Analysis of Laboratory Spectra and Solar Spectra, Department of Physics (J. H. Shaw), 1 August 1986 through 31 December 1986. (Project 764155 - Continuation)

\$10,000.00 - Central Arizona College, Coolidge, AZ; Boise State University, Boise, ID; Florida Community College at Jacksonville, Jacksonville, FL; City Colleges of Chicago, Chicago, IL; and Tarrant County Junior College, Fort Worth, TX, National Postsecondary Alliance,

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Other Non-Federal Research Contracts/Grants (contd)

The National Center for Research in Vocational Education (C. K. Hansen), 1 July 1986 through 30 June 1987. (Project 765434 - Continuation)

\$10,000.00 - Future Farmers of America, Alexandria, VA, Perceptions of the Future Farmers of America as Held by Significant Others, Department of Agricultural Education - OARDC and Department of Agricultural Education (L. E. Miller), 1 October 1986 through 30 June 1987. (Project 765747 - New)

\$7,560.00 - Children's Hospital Research Foundation, Columbus, OH, Binocular Vision and Strabismus in Infants and Children, College of Pharmacy (J. M. Jagadeesh), 30 September 1986 through 29 September 1987. (Project 765102 - Continuation)

\$6,000.00 - Maryland State Department of Education, Baltimore, MD, and Georgia Department of Corrections, Atlanta, GA, National Corrections Education Consortium, The National Center for Research in Vocational Education (C. K. Hansen), 1 January 1986 through 31 December 1986. (Project 765109 - Continuation)

\$5,441.00 - North Central Regional Center for Rural Development, Ames, IA, Assessing the Effectiveness of the Business Retention and Expansion Process, Department of Agricultural Economics and Rural Sociology and Cooperative Extension State Operations (G. W. Morse), 1 July 1986 through 30 June 1987. (Project 765708 - New)

\$2,000.00 - State of Ohio, Division of Vocational Education, Columbus, OH, National Entrepreneurship Education Consortium, The National Center for Research in Vocational Education (C. K. Hansen), 1 July 1986 through 30 June 1987. (Project 765533 - Continuation)

\$2,000.00 - The University of Texas System Cancer Center, Houston, TX, Synthesis of Demethoxydaunomycinone, Department of Chemistry (J. S. Swenton), 1 September 1986 through 28 February 1987. (Project 765726 - New)

\$350.00 - Northern Arizona University, Flagstaff, AZ, National Career Guidance Consortium, The National Center for Research in Vocational Education (C. K. Hansen), 1 July 1986 through 30 June 1987. (Project 765651 - Continuation)

TOTAL - OTHER NON-FEDERAL AWARDS \$1,069,586.00

ENGINEERING EXPERIMENT STATION

State Sponsored Research and Development

\$73,863.00 - The Ohio Department of Transportation, Columbus, OH, "Refinement of Analytical Photogrammetric Techniques for Application to Transportation Surveys," Department of Geodetic Science, 1 October 1985 through 1 October 1987. (529688, Ext. 1)

\$47,054.00 - The Ohio Department of Transportation, Columbus, OH, "Improved Analytical Photogrammetric Techniques for Application to

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

ENGINEERING EXPERIMENT STATION (contd)

State Sponsored Research and Development (contd)

Photolog Imager," Department of Geodetic Science, 1 October 1985 through 1 October 1987. (529687, Ext. 2)

\$35,000.00 - The Ohio Department of Transportation, Columbus, OH, "Use of Cement for Upgrading Low Quality Aggregate for Bituminous Mixes: A Feasibility Study," Department of Civil Engineering, 1 October 1986 through 30 June 1987. (529717)

TOTAL - STATE SPONSORED RESEARCH \$ 155,917.00

Industrial and Other Sponsored Research and Development

\$30,000.00 - General Motors Corporation, Warren, MI, "Polymer Engineering Research Program," Department of Chemical Engineering, 1 September 1986 through 31 August 1987. (529638, Ext. 4)

\$20,000.00 - Boeing Aerospace, Seattle, WA, "Compact Radar Cross Section Measurement Ranges Research and Development Consortium," Department of Electrical Engineering, 1 July 1986 through 30 June 1987. (312884, Ext. 2)

\$17,209.00 - from 13 sponsors of 16 development projects under the direction of two research areas.

\$17,128.00 - General Electric, Cincinnati, OH, "The Fiber Matrix Interface in Oxide Fiber-Reinforced Ceramics," Department of Ceramic Engineering, 6 March 1986 through 31 December 1986. (529702, Ext. 1)

\$2,500.00 - Thyssen Specialty Steels, Franklin Park, IL, "Root Bead Discontinuities in Field Welds," Department of Welding Engineering, 24 February 1986 through 30 September 1986. (312866, Ext. 1)

TOTAL - INDUSTRIAL AND OTHER SPONSORED RESEARCH \$ 86,837.00

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND

Establishment of Named Funds

**The Biotechnology Professorship
in Plant Tissue Culture and Cellular Genetics Fund**

The Biotechnology Professorship in Plant Tissue Culture and Cellular Genetics Fund was established December 5, 1986, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from an anonymous donor.

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.

When the principal of this fund reaches \$300,000, the annual income shall be used to provide salary and program support for the work of an outstanding researcher and teacher in the field of tissue culture and

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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 Biotechnology Professorship
in Plant Tissue Culture and Cellular Genetics Fund (contd)

cellular genetics who will hold a joint appointment in the departments of microbiology and plant pathology. The person named to this position must have experience in the interfacing of plant tissue culture and cellular genetics laboratory research with the applied plant sciences on the development of value added plant varieties for industry. Appointment to this position will be recommended by the Dean of the College of Biological Sciences to the Provost and President and approved by the Board of Trustees.

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 Department of Microbiology.

The Harry C. Moores Scholarship Fund

The Harry C. Moores Scholarship Fund was established December 5, 1986, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from The Harry C. Moores 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 of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income shall be used to fund Harry C. Moores Scholarships in the field of education. Scholarship assistance will cover the cost of tuition and books for academically gifted students in a teacher certification program. Selection shall be made by the College of Education Scholarship Committee in consultation with 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 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 College of Education.

The James W. Overstreet/Columbus Foundation Scholarship Fund

The James W. Overstreet/Columbus Foundation Scholarship Fund was established December 5, 1986, by the Board of Trustees of The Ohio State University with a gift from the Columbus 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 of

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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 James W. Overstreet/Columbus Foundation Scholarship Fund (contd)

The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income shall be used to provide undergraduate scholarships for Central Ohio students who demonstrate financial need and academic promise. Selection of the award recipients shall be made by 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 as directed by the Board of Trustees, with preference being given to the Office of Financial Aid.

The College of Education Fund for Excellence

The College of Education Fund for Excellence was established December 5, 1986, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from Jack Culbertson, Columbus, Ohio, and other alumni and friends. This fund was established to provide support for the College of Education and to honor those contributors of \$5,000 or more.

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 shall be used to support programs of the College of Education upon the recommendation of the Dean of the College. Should an individual's contributions to the Fund for Excellence reach the minimum level for establishing a separate endowment, a separate endowment may be established.

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 study of education.

Marlowe and Oscar F. Axene Merit Scholarship in Agriculture

The Marlowe and Oscar F. Axene Merit Scholarship in Agriculture was established December 5, 1986, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from Mrs. John B. Gerlach, in honor of her parents.

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.

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

Establishment of Named Funds (contd)

Marlowe and Oscar F. Axene Merit Scholarship in Agriculture (contd)

The annual income shall be used to provide a scholarship including tuition, fees, books and supplies for an outstanding freshman student enrolling in the College of Agriculture. Criteria for selection shall include outstanding scholastic achievement and demonstrated leadership potential through extracurricular activities. Preference will be given to those students with financial need. Preference will also be given to those students with an interest in horticulture. Selections will be made by the Assistant Dean for the College of Agriculture in consultation with the University Committee on Student Financial Aid. This scholarship shall be renewable for up to four years providing the student remains in the upper twenty-five percent of his or her class and is making satisfactory progress toward a degree in agriculture. Any income not utilized for the scholarship shall be reinvested in the principal of the endowment.

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 agricultural instruction.

The D. J. and J. N. Knull Fund in Entomology

The D. J. and J. N. Knull Fund in Entomology was established December 5, 1986, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from the estate of Josef N. Knull, 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 shall be used for systematic entomological research and curatorial work in entomology. All expenditures are to be authorized by the Chairperson of the Department of Entomology in consultation with the Curator of the Collections and with the approval of the Dean of the College of Biological 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 the recommendations from the appropriate administrative official of the University who is then directly responsible for programs in entomology.

Seneca County 4-H Endowment Fund

The Seneca County 4-H Endowment Fund was established December 5, 1986, by the Board of Trustees of The Ohio State University with gifts to The Ohio

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

Establishment of Named Funds (contd)

Seneca County 4-H Endowment Fund (contd)

State University Development Fund from the Seneca County 4-H Committee and other friends of the Seneca County 4-H 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 annual income shall be used to support the Seneca County 4-H Program. This support may include, but is not limited to the funding of scholarships and awards for 4-H members, volunteer leaders and friends of 4-H; sponsoring seminars and programs; and purchasing material or services that will supplement 4-H programming or increase the visibility and public support for 4-H in Seneca County. All expenditures from this fund shall be approved by the Seneca County 4-H Committee.

Should the need for this fund cease to exist or so diminish as to provide unused income, the income may then 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 Ohio Cooperative Extension Service in consultation with a committee representing the local 4-H donors.

Edward L. Fox Memorial Fund

The Edward L. Fox Memorial Fund was established December 5, 1986, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund in memory of Edward L. Fox, B.S.Ed. '60, M.A., Physical Education '61, Ph.D., Physiology '65, who was a Professor in the School of Health, Physical Education and Recreation.

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 shall be used to provide research support to postdoctoral fellows in human exercise physiology in the Division of Physical Education in the School of Health, Physical Education and Recreation. The recipients will be expected to pursue research in the field of human exercise physiology. No funds are to be used for research that involves animals. The primary purpose of this fund is to provide a Ph.D. graduate an opportunity for a short term experience with Ohio State faculty in human exercise physiology research. For this reason, recipients should be recent Ph.D. graduates from another institution or any individual, excluding Ohio State faculty, with work experience succeeding the doctorate. Selection of the recipients will be made by the Dean of the College of Education upon the recommendation of a committee of faculty in exercise physiology and in consultation with the Directors of the School of Health, Physical Education and Recreation and

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

Establishment of Named Funds (contd)

Edward L. Fox Memorial Fund (contd)

the Division of Cardiology in the Department of Medicine and Ann Roberts Fox Day, widow of Edward L. Fox.

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 physical education.

Class of 1936 Scholarship Fund

The Class of 1936 Scholarship Fund was established December 5, 1986, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from the Class of 1936.

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 shall be used to provide a scholarship to be awarded to a student who displays academic achievement and financial need. Award recipients will be chosen by 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 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.

The Walter C. Rothenbuhler Travel Scholarship Fund

The Walter C. Rothenbuhler Travel Scholarship Fund was established December 5, 1986, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from alumni, faculty, family and friends of the Department of Entomology and the College of Biological Sciences. These gifts were presented to the University on the occasion of Dr. Rothenbuhler's retirement and assumption of emeritus rank.

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 shall be awarded to one or more students engaged in research on the honey bee, regardless of department affiliation, for the purpose of defraying part or all of the cost of attending a scientific meeting. Recipients are to be selected by the Chairperson of the

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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 Walter C. Rothenbuhler Travel Scholarship Fund (contd)

Department of Entomology and those faculty members who teach apiculture and/or honey bee biology. In any year recipients are not selected, the income may be accumulated to spend in a subsequent year or be added to the endowment as the Department recommends.

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 scientific entomology.

The Joe Crosswhite Fund in Mathematics Education

The Joe Crosswhite Fund in Mathematics Education was established December 5, 1986, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from friends, colleagues and former students in honor of Joe Crosswhite, Professor Emeritus in the Department of Educational Theory and Practice (mathematics education).

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 shall be used to make a competitive award for outstanding performance in the initial certification program for secondary school mathematics teachers. Selection shall be made by a committee of faculty appointed by the Coordinator for Mathematics and Science Education. Criteria for the award shall include outstanding performance in student teaching and in post-calculus mathematics courses.

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 mathematics education.

The Roy B. McCauley Welding Engineering Alumni Endowment Fund

The Roy B. McCauley Welding Engineering Alumni Endowment Fund was established December 5, 1986, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from alumni, friends and colleagues of Roy B. McCauley, Professor Emeritus in the Department of Welding Engineering.

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.

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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 Roy B. McCauley Welding Engineering Alumni Endowment Fund (contd)

The annual income shall be used for those purposes which will aid the research, teaching and service programs/facilities within the Department of Welding Engineering in the College of Engineering. The Chairperson of the Department of Welding Engineering 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 the recommendations from the appropriate administrative official of the University who is then directly responsible for welding engineering education.

The Roy A. Larmee Memorial Fund

The Roy A. Larmee Memorial Fund was established December 5, 1986, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from family and friends in memory of Roy A. Larmee, former Professor of Educational Administration.

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 shall be used to support the work of faculty and/or graduate students in educational administration. Preference is to be given to work which furthers Dr. Larmee's special areas of interest. These areas include: placement, staff personnel administration, staff development, work with professional associations and field relationships. Use of the funds will be determined annually by the Professors in the Educational Administration Program area.

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 study of educational administration.

Emmett H. Karrer Award Fund

The Emmett H. Karrer Award Fund was established December 5, 1986, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from The Ohio Contractors' Association in honor of Emmett H. Karrer, B.C.E. '30, C.E. '35, Professor Emeritus in the Department of Civil Engineering.

All gifts are to be invested in the University's Permanent Endowment

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

Establishment of Named Funds (contd)

Emmett H. Karrer Award Fund (contd)

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.

When, as a result of additional gifts and growth of the fund's principal, this fund exceeds \$10,000 the income will then be used to provide an annual scholarship to an outstanding civil engineering undergraduate or graduate student in construction engineering. Selection is to be made by the Chairperson of the Department of Civil Engineering upon the recommendation of the construction engineering faculty, in cooperation with the University Committee on Student Financial Aid. Financial need may be considered in the final selection.

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 civil engineering education.

Sara Ann Leach Adams Loan Fund

The Sara Ann Leach Adams Loan Fund was established December 5, 1986, 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 Sara Ann Adams, D.D.S. '77, in her 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 shall be used to help second, third or fourth year students in orthodontics. The income will be loaned to the students at an interest rate being used for other University loan funds. The loan should be paid back as soon as possible, but in no event should the loan be outstanding five years after graduation. Should the income account exceed the loans, the excess should be added to the 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 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 College of Dentistry.

The Excellence in Biochemistry Fund

The Excellence in Biochemistry Fund was established December 5, 1986, by the Board of Trustees of The Ohio State University with gifts to The Ohio

December 4 and 5, 1986 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 Excellence in Biochemistry Fund (contd)

State University Development Fund from alumni, faculty and friends of the Department of Biochemistry and the College of Biological Sciences.

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 shall be used for support of excellence in teaching and research in the Department of Biochemistry in the College of Biological Sciences. The Chairperson of the Department of Biochemistry will have sole authority to authorize expenditures from the fund, as approved by the Dean of the College of Biological 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 the recommendations from the appropriate administrative official of the University who is then directly responsible for the Department of Biochemistry.

Carl O. Boucher Memorial Fund

The Carl O. Boucher Memorial Fund was established December 5, 1986, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from former students, alumni and friends to honor Dr. Boucher for his academic excellence, literary efforts, and visionary leadership in the speciality of prosthodontics.

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 shall be used to enrich and enhance the quality of clinical and research endeavors in the removable prosthodontic section of the College of Dentistry. The use of this income will be under the direct supervision of the Director of the Graduate Prosthodontic 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 the recommendations from the appropriate administrative official of the University who is then directly responsible for the College of Dentistry.

Thomas A. and John E. Hamrick Pickaway County Scholarship Fund

The Thomas A. and John E. Hamrick Pickaway County Scholarship Fund was established December 5, 1986, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from

December 4 and 5, 1986 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

Establishment of Named Funds (contd)

Thomas A. and John E. Hamrick Pickaway County Scholarship Fund (contd)

George H. Hamrick, Chairman of the Pickaway County Cooperative Extension Service from 1957 to 1984, and his wife, Dorothy, in honor of their sons.

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 provide one or more scholarships to students from Pickaway County who are interested in majoring in the College of Agriculture or the College of Home Economics. Criteria for selection shall include outstanding scholastic achievement and demonstrated leadership potential through extracurricular activities. Preference will be given to those students with financial need. Preference will also be given to those students in their sophomore year of study. Selections will be made by the University Committee on Student Financial Aid in consultation with the Deans of the College of Agriculture and the College 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 the recommendations from the appropriate administrative official of the University who is then directly responsible for the Colleges of Agriculture and Home Economics.

The Thomas Huxley Langlois Research Fellowship

The Thomas Huxley Langlois Research Fellowship was established December 5, 1986, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from the family of Thomas Huxley Langlois and from alumni, faculty and friends of the Franz T. Stone Laboratory and the College of Biological Sciences.

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 shall be used for support of one or more research fellowships for scholarly work at the F. T. Stone Laboratory in the College of Biological Sciences. The Director of the Laboratory, in consultation with a research committee composed of members of his faculty, will have sole authority to authorize expenditures from the fund, as approved by the Dean of the College of Biological 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 the recommendations from the appropriate administrative official of the

December 4 and 5, 1986 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 Thomas Huxley Langlois Research Fellowship (contd)

University who is then directly responsible for the F. T. Stone Laboratory.

The Samuel A. and Iona L. Patterson Endowed Fund in Agriculture

The Samuel A. and Iona L. Patterson Endowed Fund in Agriculture was established December 5, 1986, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from James F. and Nancy Patterson and family, Patterson Fruit Farm, and other family and friends in honor of Mr. and Mrs. Patterson's contributions to Ohio's 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 shall be used to fund innovative projects in the College of Agriculture as determined by the Dean of the College. The emphasis will be placed on providing seed money for new programs and creative projects that will significantly enhance the teaching, research or extension work 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 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 College of Agriculture.

The Irving R. Silver Memorial Fund

The Irving R. Silver Memorial Fund was established December 5, 1986, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from family and friends in honor of the memory of Irving R. Silver 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 is to be used for those purposes which will aid the research, teaching and service programs/facilities within the Department of Welding Engineering in the College of Engineering. The Chairperson of the Department of Welding Engineering will have sole authority to authorize expenditures from the fund, as approved by the Dean of the College of Engineering.

December 4 and 5, 1986 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 Irving R. Silver Memorial 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 welding engineering education.

The Robert B. Sutton Lecture in History of Education

The Robert B. Sutton Lecture in History of Education was established December 5, 1986, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from family and students in honor of Robert B. Sutton, Professor Emeritus in the Department of Educational Policy and Leadership.

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 shall be used to support the Sutton Lecture in History of Education. The Chairperson of the Department of Educational Policy and Leadership shall have sole authority to authorize expenditures from the fund, as approved by 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 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 study of the history of education.

The Excellence in Zoology Fund

The Excellence in Zoology Fund was established December 5, 1986, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from alumni, faculty and friends of the Department of Zoology and the College of Biological Sciences.

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 shall be used for support of excellence in teaching and research in the Department of Zoology in the College of Biological Sciences. The Chairperson of the Department of Zoology will have sole authority to authorize expenditures from the fund, as approved by the Dean of the College of Biological Sciences.

December 4 and 5, 1986 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 Excellence in Zoology 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 Department of Zoology.

Change in Description of Named Funds

The Richard Delaney Athletic Scholarship Fund

The Richard Delaney Athletic Scholarship Fund was established September 5, 1986, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from the family and friends in honor and memory of Richard Delaney (OSU Associate Athletic Director, 1970-1985). The description was changed December 5, 1986.

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 shall be used to provide scholarship assistance to undergraduate students in good standing who are participating in a varsity sports program. Selection of the recipient(s) is to be made by the Director of Athletics in cooperation with 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 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 athletic program at The Ohio State University.

Marian K. Thomas Horticulture Fund

The Marian K. Thomas Horticulture Fund was established September 5, 1986, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from Mrs. Marian K. Thomas of Columbus, Ohio. The description was changed December 5, 1986.

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 shall be used to provide scholarships to one or more undergraduate students in the area of landscape horticulture. Selections shall be made by the faculty of the Horticulture Department in consultation with the Assistant Dean for Student Affairs in the College

December 4 and 5, 1986 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

Change in Description of Named Funds (contd)

Marian K. Thomas Horticulture Fund (contd)

of Agriculture and University Committee on Student Financial Aid. Insofar as practical, the donor shall be involved in the selection of the recipient. Criteria for the scholarship shall emphasize financial need, academic achievement and the student's personal motivation.

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 horticultural instruction.

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REQUEST FOR CONSTRUCTION BIDS AND
ESTIMATE OF COST - FUNDING
VETERINARY HOSPITAL - CHILLER REPLACEMENT

Resolution No. 87-62

Synopsis: Authorization to request construction bids is proposed.

WHEREAS the plans and specifications for this project have been completed and, at the request of the Vice President for Business and Administration, the President recommended that the Board of Trustees authorize the request for construction bids:

Project: Replacement of the inoperative absorption chiller located in Veterinary Hospital with a new centrifugal chiller to provide a reliable source of cooling, with an estimated payback in 1.5 years.

Funding: University Utility Funds

Estimated Construction Cost: \$160,800.00

Estimated Project Cost: \$206,500.00

NOW THEREFORE

BE IT RESOLVED, That the President and/or Vice President for Business and Administration be authorized, in accordance with established University procedures, to request construction bids on this project, and if satisfactory bids are received, to award the necessary contracts, with all actions to be reported to this Board at the appropriate time.

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

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December 4 and 5, 1986 meeting, Board of Trustees

**ACCEPTANCE OF THE GIFT OF REAL PROPERTY
94.5 ACRES ON HARRISBURG PIKE
COLUMBUS, OHIO**

Resolution No. 87-63

Synopsis: Acceptance of the gift of approximately 94.5 acres of real property on Harrisburg Pike in Columbus, Ohio, is proposed.

WHEREAS Leonard J. Immke, Jr., is the owner of approximately 94.5 acres of real property located on the east side of Harrisburg Pike at the intersection of Briggs Road in Columbus, Ohio, and wishes to make a gift of this property to The Ohio State University through The Ohio State University Development Fund; and

WHEREAS under the terms of this gift, the property will be sold and the net proceeds will be added to the Leonard J. Immke, Jr., and Charlotte L. Immke Chair in Cancer Research Fund to support the work of a distinguished researcher in the area of cancer research in the University's Cancer Research Institute; and

WHEREAS it has been determined by the appropriate University officers that acceptance of this gift is in the best interest of the University:

NOW THEREFORE

BE IT RESOLVED, That this property be accepted as a gift to the University through the Development Fund from Leonard J. Immke, Jr., and that the President and/or the Vice President for Business and Administration be authorized to acquire title to this property in the name of the Board of Trustees of The Ohio State University.

Upon motion of Mr. Berry, seconded by Mr. Redman, the Board of Trustees adopted the foregoing resolution with seven affirmative votes cast by Messrs. Galbreath, Redman, Berry, Teaford, Barone, and Mrs. Bowser and Ms. Casto, and an abstention by Mr. Immke.

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**ACCEPTANCE OF THE GIFT OF REAL PROPERTY
1,494.6 ACRES
HOUGHTON COUNTY (UPPER PENINSULA), MICHIGAN**

Resolution No. 87-64

Synopsis: Acceptance of a gift of approximately 1,494.6 acres of real property in Houghton County (Upper Peninsula), Michigan, is proposed.

WHEREAS John F. Havens of Columbus, Ohio, is the owner of approximately 1,494.6 acres of real property in Houghton County (Upper Peninsula), Michigan, and wishes to make a gift of this property to The Ohio State University through The Ohio State University Development Fund; and

WHEREAS under the terms of this gift, the property is to be sold and the net proceeds will be used to support the programs of the College of Agriculture; and

December 4 and 5, 1986 meeting, Board of Trustees

**ACCEPTANCE OF THE GIFT OF REAL PROPERTY
1,494.6 ACRES
HOUGHTON COUNTY (UPPER PENINSULA), MICHIGAN (contd)**

WHEREAS the appropriate University officers have determined that the acceptance of this gift is in the best interest of the University:

NOW THEREFORE

BE IT RESOLVED, That this property be accepted as a gift to the University through the Development Fund from John F. Havens and that the President and/or the Vice President for Business and Administration be authorized to acquire title to this property in the name of the Board of Trustees of The Ohio State University.

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

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**PURCHASE OF REAL PROPERTY
121 WEST 11TH AVENUE
COLUMBUS, OHIO**

Resolution No. 87-65

Synopsis: Purchase of real property at 121 West 11th Avenue in Columbus, Ohio, is proposed.

WHEREAS The Ohio State University has been presented with an opportunity to purchase the property located at 121 West 11th Avenue in Columbus, Ohio; and

WHEREAS this property has an appraised value of from \$89,000.00 to \$94,500.00 and the owners, Mr. and Mrs. George E. Bubalo of Westerville, Ohio, have offered to sell the property to the University at a price of \$93,000.00; and

WHEREAS this property is located within the south campus acquisition boundary of the University's Master Plan and the appropriate University officers have determined that the purchase of this property is in the best interest of the University; and

WHEREAS funds for the purchase of this property will be provided from University funds resulting from the previous sale of south campus properties outside the acquisition boundary:

NOW THEREFORE

BE IT RESOLVED, That the President and/or Vice President for Business and Administration be authorized to purchase, in the name of the State of Ohio for the use of The Ohio State University, the real property located at 121 West 11th Avenue at a price not to exceed \$93,000.00, upon such terms and conditions as are deemed to be in the best interest of the University, subject to the University receiving the necessary approvals from the Ohio Board of Regents and the State Controlling Board.

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

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December 4 and 5, 1986 meeting, Board of Trustees

**PURCHASE OF REAL PROPERTY
32 ACRES ON WEST DUBLIN-GRANVILLE ROAD (PRUSHING FARM)
COLUMBUS, OHIO**

Resolution No. 87-66

Synopsis: Purchase of approximately 32 acres of property, known as the Prushing Farm, located on West Dublin-Granville Road in Columbus, Ohio, is proposed.

WHEREAS The Ohio State University has been presented with an opportunity to purchase approximately 32 acres of real property, known as the Prushing Farm, located on the south side of West Dublin-Granville Road, east of Sawmill Road, in Columbus, Ohio, and owned by Adah S. Prushing, Donna L. Belt, Susan Carter, Miriam E. Sharp, Mary A. Lukens, and James A. Sharp; and

WHEREAS this property has an appraisal value of from \$2,080,000.00 to \$2,176,000.00, and the owners have offered to sell the property to the University at a price of \$2,080,000.00; and

WHEREAS funds to purchase this property will be provided from the University's Endowment Fund; and

WHEREAS the appropriate University officers have determined 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 Administration be authorized, in the name of the Board of Trustees, to purchase this property at a price not to exceed \$2,080,000.00 upon such terms and conditions as are deemed to be in the best interest of the University, subject to the University receiving the necessary approvals from the Ohio Board of Regents and the State Controlling Board.

Upon motion of Mr. Barone, seconded by Mr. Redman, 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. 87-67

Synopsis: Authorization to grant an easement to the Columbus and Southern Ohio Electric Company for installation of electric service is requested.

WHEREAS the Columbus and Southern Ohio Electric Company has requested a 15-year easement consisting of strips of land 10 feet in width and approximately 440 feet in length in a southerly and easterly direction and 720 feet in length in a northerly and easterly direction for the installation of underground electric service at 2660 Kenny Road to service the University Services Center; and

WHEREAS the electric service will serve only University property; and

December 4 and 5, 1986 meeting, Board of Trustees

**EASEMENT
COLUMBUS AND SOUTHERN OHIO ELECTRIC COMPANY (contd)**

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 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 this easement.

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

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PERS EARLY RETIREMENT INCENTIVE PROGRAM

Resolution No. 87-68

Synopsis: PERS Early Retirement Incentive Program is proposed.

WHEREAS the Ohio General Assembly enacted Amended Substitute House Bill 706 which enables State agencies and institutions of higher education to establish retirement incentive plans for individuals at their respective institutions who are members of the Public Employees Retirement System (PERS); and

WHEREAS The Ohio State University desires to adopt such a retirement incentive plan in order to provide more flexibility in its long term planning for its human resource needs; and

WHEREAS pursuant to Section 145.297 of the Ohio Revised Code the University desires to purchase service credit for eligible PERS members electing to retire under the proposed early retirement plan in an amount not to exceed the lesser of five (5) years or one-fifth of the individual's total service credited by PERS; and

WHEREAS the number of persons for whom the University wishes to purchase credit in any calendar year under this plan will be limited to five percent (5%) of the total number of the University's current PERS membership, and further that if the total number of persons applying for this program exceeds the five percent (5%) maximum, then approval for participation will be determined in accordance with Section 145.297 (C):

NOW THEREFORE

BE IT RESOLVED, That upon the Governor's signature of the referenced legislation and the promulgation of rules by the Public Employees Retirement System Board, the President and/or Vice President for Personnel Services will issue policy guidelines to implement a PERS early retirement program consistent with this resolution to be effective from the date of such issuance and continuing through October 31, 1988; and

BE IT FURTHER RESOLVED, That those individuals who retire under this plan will not be eligible for re-employment with the University.

December 4 and 5, 1986 meeting, Board of Trustees

PERS EARLY RETIREMENT INCENTIVE PROGRAM (contd)

Upon motion of Mr. Immke, seconded by Ms. Casto, 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 1985-86**

Resolution No. 87-69

Synopsis: Transfers to Loan Funds, Endowment Principal Funds, Unexpended Plant Funds, Renewals and Replacements Funds--Remodeling and Renovation, and Renewals and Replacement Funds--Repairs and Replacements is being recommended for approval.

WHEREAS non-mandatory transfers from current funds for the fiscal year 1985-86 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. Redman, seconded by Mr. Teaford, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

December 4 and 5, 1986 meeting, Board of Trustees

The Ohio State University
Board of Trustees

Non-Mandatory Transfer From Current Funds
Fiscal Year 1985-86

<u>Account Description</u>	<u>Account Number</u>	<u>Transferred From Account Number</u>	<u>Amount</u>
To: <u>LOAN FUNDS</u>			
International Student Loan Fund	079000	015800	\$ 11,000.00
BARS Loan Fund	079000	010057	<u>250,000.00</u>
Total Transfers to Loan Funds			<u>\$ 261,000.00</u>
To: <u>ENDOWMENT PRINCIPAL FUNDS</u>			
The Ohio State University Endowment Clearing Account	070002	011563	10,000.00
" " "	"	033492	1,000.00
" " "	"	039999	841,341.67
Endowment Income Reserve	070004	020000	1,650,000.00
Michele Kindt Memorial Fund in Nursing	073682	033492	1,000.00
Math and Physical Science Excellence Endowment Fund	074526	033063	25,000.00
The Ohio State University Name and Seal Scholarship Fund	075427	015102	190,000.00
College of Pharmacy Advancement Fund	075725	034461	4,000.00
Plough Pharmacy Scholarship	075818	010055	(25,000.00)
		025725	(25,000.00)
Everett D. Reese Biomedical Research Fund	076003	038018	(60,412.50)
Helen H. Santmyer Fund	076274	011045	234,869.06
Adolph E. Waller Memorial Fund	077541	032360	2,500.00
Undistributed Gains	077799	020000	<u>100,041.21</u>
Total Transfers to Endowment Principal Funds			<u>\$2,949,339.44</u>

December 4 and 5, 1986 meeting, Board of Trustees

The Ohio State University
Board of Trustees

<u>Account Description</u>	<u>Account Number</u>	<u>Transferred From Account Number</u>	<u>Amount</u>
To: <u>PLANT FUNDS</u>			
• <u>Unexpended</u>			
University Activities Center	082005	032851	\$ (50,822.53)
Bulk Chemical Warehouse	082046	010058	(7,711.63)
Jesse Owens Plaza	082048	010000	(353.99)
University Arts Center	082055	010058	2,502,951.00
Twelfth Avenue Ramp	082066	016007	300,000.00
Stores & Receiving Building	082069	010058	240,000.00
Community Extension Center	082070	010058	40,000.00
Child Care Center	082071	010058	277,000.00
Cancer Research Institute	082072	010058	47,338.77
Law Building Addition Plans	082073	038023	45,000.00
Utilities Plan - Northwest	082074	010058	50,000.00
Lima Storage Building	082075	010928	6,570.00
"	"	057131	49,930.00
Total Unexpended Plant Funds			<u>\$3,499,901.62</u>
• <u>Renewal and Replacement Funds - Remodeling and Renovation</u>			
Dormitory Contingency Fund	085049	017200	\$5,500,000.00
Archer/Oxley Improvements	085050	017200	89,826.00
Public Safety Building Remodeling	085067	010058	56,700.00
Parking Lot Repairs	085071	016007	494,955.00
Orton Hall Steps	085117	010058	(28,210.60)
Housing Commission #3 Retrofit	085169	017300	416,177.09
Parking Ramp Repair	085175	016007	25,000.00
Stadium Scholarship Dormitory	085181	017200	2,773,750.00
Neil Hall Apartments	085190	017200	14,802.30
Parks Hall	085195	010058	(15,739.00)
Farm Science Review Relocation	085196	011083	50,000.00
Entranceways	085200	010058	10,113.58
WOSU Studios Air Conditioning	085234	010058	(9,700.00)
Stadium Scoreboard	085236	037676	243,000.00
Hitchcock Hall	085238	010058	(3,783.00)
Woody Hayes Bridge Repair	085240	010058	(25,986.11)
Evans Lab	085241	037157	(3,203.00)
Cockins Hall	085242	010058	(920.00)
Aero-Astro Research Lab	085246	010058	(2,380.00)
Lima Telephone System	085247	010928	375.00
Fontana Lab	085250	010051	(12,847.00)

December 4 and 5, 1986 meeting, Board of Trustees

The Ohio State University
Board of Trustees

<u>Account Description</u>	<u>Account Number</u>	<u>Transferred From Account Number</u>	<u>Amount</u>
<u>Renewal and Replacement Funds - Remodeling and Renovation (continued)</u>			
Center for Lake Erie Area Research	085251	017200	79,078.19
Browning Amphitheatre	085253	037804	2,000.00
Ohio Union Ramp Addition	085256	010058	15,589.31
Stone Lab Residence Hall	085258	017200	79,078.19
Lincoln Tower	085268	010058	70,000.00
Ohio Union Roof Repair	085270	016020	(40,000.00)
164 West 19th Avenue	085275	010058	6,000.00
Biggs Expansion	085278	037772	175,560.00
Graves Hall Lab	085280	010058	43,120.00
1100 Kinnear Road Renovation	085284	010058	1,200,000.00
Stadium Press Box	085288	016019	137,188.00
1224 Kinnear Road Renovation	085290	010058	1,920,000.00
Howlett Hall Renovation	085291	010058	83,438.00
Vivian Hall Renovation	085292	010058	32,370.00
Sponsored Programs - 1314 Kinnear	085293	010058	171,600.00
Office of Research & Graduate Studies	085294	013020	25,000.00
Campbell Hall Renovation	085295	010058	62,625.00
571 Health Science Library	085297	010058	61,101.00
Bradford Commons	085298	010058	298,026.00
University Hall	085299	010058	65,705.00
Lincoln Tower - 7th Floor	085301	010058	100,000.00
Derby Hall	085302	010058	86,900.00
Derby Hall - Phase II	085304	010058	93,100.00
Rathskeller Improvements	085305	010058	329,000.00
" "	"	033467	3,000.00
Entomology Renovation	085309	010058	49,938.00
Vet Science Facility - Movable Equipment	085311	010058	270,000.00
Derby Hall - Contracts	085313	010058	51,896.00
Conard Gallery - Mansfield	085314	037965	45,000.00
Wiseman Lab	085316	010058	20,000.00
McCampbell - Research Labs	085317	010058	55,366.00
Bevis/Pressey - Energy Conservation	085318	010058	63,160.00
Animal Science Lab	085319	010058	172,500.00
Animal Science Teaching Lab	085320	010058	28,500.00
Vivian Hall Lab	085321	010058	195,300.00
Veterinary Medicine Lab	085322	010058	200,000.00
Cunz Hall	085323	010058	53,405.00
Postle Hall	085324	010058	20,000.00
" "	"	011496	24,503.00

December 4 and 5, 1986 meeting, Board of Trustees

The Ohio State University
Board of Trustees

<u>Account Description</u>	<u>Account Number</u>	<u>Transferred From Account Number</u>	<u>Amount</u>
• <u>Renewal and Replacement Funds - Remodeling and Renovation (continued)</u>			
Biological Sciences - Eminent Scholar	085325	010058	90,000.00
First Floor Library	085326	010058	40,000.00
" " "	"	011085	25,000.00
" " "	"	015103	20,000.00
Fawcett Center Guest Rooms	085327	016004	23,500.00
Scott/Bevis Renovation	085330	010058	21,355.00
Environmental Lab Relocation	085331	010058	40,000.00
Caad Lab/Brown Hall	085332	010414	38,000.00
Stadium Pressbox - Trustees	085337	010058	317,111.00
Dimming System - Thurber	085342	010058	135,335.00
446 Kottman	085345	010185	66,400.00
Total Remodeling & Renovation			<u>\$16,737,677.95</u>
• <u>Renewal and Replacement Funds - Repairs and Replacements</u>			
Business and Administration	086905	010058	\$(12,674.00)
Business Management	086907	010058	62,000.00
Physical Facilities	086909	010058	(102,195.35)
Traffic and Parking	086911	016007	193,200.00
Food Facility	086912	014006	22,800.00
Stores	086913	014001	38,050.00
Laundry	086914	014004	191,000.00
Equipment Repairs	086915	014003	15,250.00
Printing Facility	086916	014002	200,000.00
Bookstores	086918	010971	(7,749.98)
Physical Facility Improvements	086920	014010	27,478.78
" " "	"	014011	147,785.12
" " "	"	016390	3,300.00
University Airport	086921	016014	374,952.43
Fire Safety	086923	010058	29,943.16
Housing Commission #2	086925	016102	6,050.00
Endowment Property	086927	016350	50,900.00
Property Management	086929	016015	10,300.00
Endowment Property Improvements	086931	016350	85,100.00
North Campus Apartments	086932	016390	30,900.00
Housing Commission #1 Improvements	086933	016101	7,000.00
Housing Commission #2 Improvements	086934	016102	29,207.88

December 4 and 5, 1986 meeting, Board of Trustees

The Ohio State University
Board of Trustees

<u>Account Description</u>	<u>Account Number</u>	<u>Transferred From Account Number</u>	<u>Amount</u>
• <u>Renewal and Replacement Funds -</u>			
<u>Repairs and Replacements (continued)</u>			
Telecon	086938	011064	230,000.00
Food Facility Improvements	086940	014006	75,650.00
Mail Service	086941	014027	75,000.00
Property Management Improvements	086942	016015	20,000.00
Internal Audit	086944	010058	(8,500.00)
Fawcett Center	086952	016004	1,500.00
" "	"	032374	837.50
Printing Facility Improvements	086957	014002	77,350.00
National Center for Research in Vocational Education	086967	011077	25,600.00
Lantern	086968	011081	116,534.00
Reprographics	086969	014030	201,150.00
University Health Services	086973	010058	60,000.00
Registrar	086975	010051	(41,000.00)
Air Transportation Services	086976	014029	15,766.00
Instructional Research Computer Center	086983	010058	500,000.00
Recreation/Intramural	086984	010058	67,500.00
" "	"	011498	25,000.00
Student Affairs	086985	010051	76,326.82
" "	"	010058	10,563.00
Lincoln Maintenance	086987	017303	(202,929.25)
University Systems	086990	010058	1,981,735.00
Telephone Services	086991	010058	100,000.00
University College	086992	010058	175,000.00
University Hospitals	086995	010058	4,225.03
" "	"	010060	(283,101.79)
" "	"	019000	6,998,137.40
Veterinary Pathology	086996	010058	25,000.00
" "	"	011058	30,000.00
" "	"	027815	15,000.00
" "	"	032995	5,000.00
" "	"	033095	3,000.00
" "	"	033244	30,000.00
Total Repairs and Replacements			<u>\$11,812,941.75</u>
Total Transfers to Renewal and Replacement Funds			<u>\$28,550,619.70</u>
Total Transfers to Plant Funds			<u>\$32,050,521.32</u>
Grand Total Non-Mandatory Transfers from Current Funds			<u>\$35,260,860.76</u>

December 4 and 5, 1986 meeting, Board of Trustees

The Ohio State University
Board of Trustees

Non-Mandatory Transfers from Current Funds
Fiscal Year 1985-86
RECAP

	<u>Account Range</u>	<u>Amount</u>
LOAN FUNDS		\$ <u>261,000.00</u>
ENDOWMENT PRINCIPAL FUNDS	070000-077799	\$ <u>2,949,339.44</u>
PLANT FUNDS		
Current Unrestricted Funds		
Unrestricted Expense	010XXX	12,327,329.22
Departmental	011000-011499	526,637.00
Research Foundation	013XXX	25,000.00
Stores/Services	014XXX	1,087,279.90
Designated	015XXX	20,000.00
Auxiliary	016000-018999	10,502,835.83
Hospital	019XXX	6,998,137.40
Current Restricted Funds		
Endowment Income	020000-028999	15,000.00
Development Fund	03XXXX	498,371.97
Other Restricted	05XXXX	<u>49,930.00</u>
Total Plant Funds		\$ <u>32,050,521.32</u>
Total Non-Mandatory Transfers from Current Funds		\$ <u>35,260,860.76</u>

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December 4 and 5, 1986 meeting, Board of Trustees

**AUTHORIZATION OF AMENDMENTS TO THE FIRST SUPPLEMENTAL
TRUST INDENTURE AND THE STANDBY BOND PURCHASE AND
TERM LOAN AGREEMENT RELATING TO THE VARIABLE RATE DEMAND
GENERAL RECEIPTS BONDS, SERIES 1985 B OF THE OHIO STATE UNIVERSITY
Resolution No. 87-70**

Synopsis: Providing for certain amendments to the First Supplemental Trust Indenture, dated as of December 30, 1985 (the "First Supplemental Indenture"), by and between The Ohio State University (the "University") and The Huntington National Bank (the "Trustee"), and the Standby Bond Purchase and Term Loan Agreement (the "Standby Agreement"), dated as of December 30, 1985, by and between the University and The Industrial Bank of Japan, Limited, New York Branch (the "Bank"), for the purpose of complying with new rating criteria recently instituted by Moody's Investors Service, Inc. ("Moody's"), thereby enabling Moody's to provide a rating higher than would otherwise be assigned to the \$42,500,000 The Ohio State University Variable Rate Demand General Receipts Bonds, Series 1985 B (the "Series 1985 B Bonds") and permitting the University to market the Series 1985 B Bonds at the lowest interest rate possible.

WHEREAS on December 6, 1985, the Board of Trustees (the "Board") of the University adopted a resolution authorizing the issuance of the Series 1985 B Bonds (the "Series 1985 B Bond Resolution"); and

WHEREAS the Series 1985 B Bonds are secured by a Trust Indenture, dated as of November 15, 1985, by and between the Trustee and the University (the "Original Indenture"), as supplemented by the First Supplemental Indenture (the "First Supplemental Indenture," together with the "Original Indenture," being referred to herein as the "Indenture"); and

WHEREAS pursuant to the Series 1985 B Bond Resolution and the Indenture, the University and the Bank entered into the Standby Agreement; and

WHEREAS Moody's has recently instituted new criteria for rating bonds bearing interest at a variable rate, the repurchase of which is backed by liquidity facilities similar in form to the Standby Agreement; and

WHEREAS the Board has determined that it is in the best interests of the University to authorize certain amendments to the First Supplemental Indenture and the Standby Agreement for the purpose of complying with new rating criteria recently instituted by Moody's, thereby enabling Moody's to provide a rating higher than would otherwise be assigned to the Series 1985 B Bonds and permitting the University to market the Series 1985 B Bonds at the lowest interest rate possible:

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 the Indenture and the Series 1985 B Bond Resolution and all interpretations therein provided shall have in this Resolution the same meanings, respectively, and be subject to the same interpretations as therein provided or used, unless the context or use clearly indicates another or different meaning or intent.

December 4 and 5, 1986 meeting, Board of Trustees

**AUTHORIZATION OF AMENDMENTS TO THE FIRST SUPPLEMENTAL
TRUST INDENTURE AND THE STANDBY BOND PURCHASE AND
TERM LOAN AGREEMENT RELATING TO THE VARIABLE RATE DEMAND
GENERAL RECEIPTS BONDS, SERIES 1985 B OF THE OHIO STATE UNIVERSITY (contd)**

Section 2. The Amendment Agreement. The First Supplemental Indenture will be amended in accordance with the provisions of an Amendment Agreement, dated as of December 1, 1986, by and between the Bank and the University (the "Amendment Agreement"). The form of Amendment Agreement now on file with the Secretary of the Board is hereby approved, together with any changes therein and completions thereof which are not inconsistent with this Resolution and not substantially adverse to the University, and as are approved on behalf of the University by the Chairman of the Board (the "Chairman") or the Treasurer. The approval on behalf of the University of those changes and completions by the Chairman or the Treasurer, and the status of those changes as not substantially adverse to the University, shall be conclusively evidenced by the execution of the Amendment Agreement on behalf of the University by the Chairman or the Treasurer.

Section 3. Restated Standby Bond Purchase and Term Loan Agreement. The Standby Agreement has been amended to reflect the new Moody's rating criteria and shall hereafter be in the form of the Restated Standby Bond Purchase and Term Loan Agreement, dated as of December 1, 1986, by and between the University and the Bank (the "Restated Standby Agreement"). The form of Restated Standby Agreement now on file with the Secretary of the Board is hereby approved, together with any changes therein and completions thereof which are not inconsistent with this Resolution and not substantially adverse to the University, and as are approved on behalf of the University by the Chairman or the Treasurer. The approval on behalf of the University of those changes and completions by the Chairman or the Treasurer, and the status of those changes as not substantially adverse to the University, shall be conclusively evidenced by the execution of the Restated Standby Agreement on behalf of the University by the Chairman or the Treasurer.

Section 4. Text of Resolution. The text of this Resolution authorizing the execution of the Amendment Agreement and the Restated Standby Agreement and related acts by the University may be changed for the purpose of curing any ambiguity, inconsistency or formal defect or omission in this Resolution or in respect of this Resolution as it relates to the Amendment Agreement or the Restated Standby Agreement. Such changes shall be subject to the approval of the Chairman or the Treasurer as being changes not substantially adverse to the University or contrary to the true intent and meaning hereof and shall be acceptable to Bond Counsel.

Section 5. Open Meeting Determination. It is found and determined that all formal actions of the Board concerning or relating to the adoption of this Resolution were adopted in an open meeting of the Board, and that all deliberations of the Board and of any of its committees that resulted in such formal action were in meetings opened to the public, in compliance with all legal requirements including Section 121.22 of the Revised Code.

Section 6. Effective Date. This Resolution shall take effect and be enforced immediately upon its adoption.

December 4 and 5, 1986 meeting, Board of Trustees

**AUTHORIZATION OF AMENDMENTS TO THE FIRST SUPPLEMENTAL
TRUST INDENTURE AND THE STANDBY BOND PURCHASE AND
TERM LOAN AGREEMENT RELATING TO THE VARIABLE RATE DEMAND
GENERAL RECEIPTS BONDS, SERIES 1985 B OF THE OHIO STATE UNIVERSITY (contd)**

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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**AUTHORIZATION OF THE EXECUTION OF AN AMENDED THIRD SUPPLEMENTAL
TRUST INDENTURE AND AN AMENDED STANDBY BOND PURCHASE
AGREEMENT RELATING TO THE VARIABLE RATE DEMAND GENERAL
RECEIPTS BONDS, SERIES 1986 B OF THE OHIO STATE UNIVERSITY**

Resolution No. 87-71

Synopsis: Providing for the execution of an amended Third Supplemental Trust Indenture, dated as of August 1, 1986 (the "Amended Third Supplemental Indenture"), by and between The Ohio State University (the "University") and The Huntington National Bank (the "Trustee"), and an amended Standby Bond Purchase Agreement (the "Amended Standby Agreement"), dated as of August 1, 1986, by and between the University and The Fuji Bank, Limited, Chicago Branch (the "Bank"), for the purpose of complying with new rating criteria recently instituted by Moody's Investors Service, Inc. ("Moody's"), thereby enabling Moody's to provide a rating higher than would otherwise be assigned to the \$45,000,000 The Ohio State University Variable Rate Demand General Receipts Bonds, Series 1986 B (the "Series 1986 B Bonds") and permitting the University to market the Series 1986 B Bonds at the lowest interest rate possible.

WHEREAS on July 11, 1986, the Board of Trustees (the "Board") of the University adopted a resolution authorizing the issuance of the Series 1986 B Bonds (the "Series 1986 B Bond Resolution"); and

WHEREAS the Series 1986 B Bonds are secured by a Trust Indenture, dated as of November 15, 1985, by and between the Trustee and the University (the "Original Indenture"), as supplemented by a First Supplemental Trust Indenture, dated as of December 30, 1985 (the "First Supplemental Indenture"), a Second Supplemental Trust Indenture, dated as of August 1, 1986 (the "Second Supplemental Indenture") and the Third Supplemental Trust Indenture, dated as of August 1, 1986 (the "Third Supplemental Indenture") (the "First Supplemental Indenture," the "Second Supplemental Indenture," and the "Third Supplemental Indenture," together with the "Original Indenture," being referred to herein as the "Indenture"); and

WHEREAS pursuant to the Series 1986 B Bond Resolution and the Indenture, the University and the Bank entered into a Standby Bond Purchase Agreement, dated as of August 1, 1986, by and between the University and the Bank (the "Standby Agreement"); and

WHEREAS Moody's has recently instituted new criteria for rating bonds bearing interest at a variable rate, the repurchase of which is backed by liquidity facilities similar in form to the Standby Agreement; and

WHEREAS the Board has determined that it is in the best interests of the University to authorize the execution of the Amended Third Supplemental Indenture and the Amended Standby Agreement for the purpose of complying

December 4 and 5, 1986 meeting, Board of Trustees

**AUTHORIZATION OF THE EXECUTION OF AN AMENDED THIRD SUPPLEMENTAL
TRUST INDENTURE AND AN AMENDED STANDBY BOND PURCHASE
AGREEMENT RELATING TO THE VARIABLE RATE DEMAND GENERAL
RECEIPTS BONDS, SERIES 1986 B OF THE OHIO STATE UNIVERSITY (contd)**

with the new rating criteria recently instituted by Moody's, thereby enabling Moody's to provide a rating higher than would otherwise be assigned to the Series 1986 B Bonds and permitting the University to market the Series 1986 B Bonds at the lowest interest rate possible:

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 the Indenture and the Series 1986 B Bond Resolution and all interpretations therein provided shall have in this Resolution the same meanings, respectively, and be subject to the same interpretations as therein provided or used, unless the context or use clearly indicates another or different meaning or intent.

Section 2. The Amended Third Supplemental Indenture. The Third Supplemental Indenture has been amended to reflect the new Moody's rating criteria and shall hereafter be in the form of the Amended Third Supplemental Indenture. The form of the Amended Third Supplemental Indenture now on file with the Secretary of the Board is hereby approved, together with any changes therein and completions thereof which are not inconsistent with this Resolution and not substantially adverse to the University, and as are approved on behalf of the University by the Chairman of the Board (the "Chairman") or the Treasurer. The approval on behalf of the University of those changes and completions by the Chairman or the Treasurer, and the status of those changes as not substantially adverse to the University, shall be conclusively evidenced by the execution of the Amended Third Supplemental Indenture on behalf of the University by the Chairman or the Treasurer.

Section 3. Amended Standby Agreement. The Standby Agreement has been amended to reflect the new Moody's rating criteria and shall hereafter be in the form of the Amended Standby Agreement. The form of Amended Standby Agreement now on file with the Secretary of the Board is hereby approved, together with any changes therein and completions thereof which are not inconsistent with this Resolution and not substantially adverse to the University, and as are approved on behalf of the University by the Chairman or the Treasurer. The approval on behalf of the University of those changes and completions by the Chairman or the Treasurer, and the status of those changes as not substantially adverse to the University, shall be conclusively evidenced by the execution of the Amended Standby Agreement on behalf of the University by the Chairman or the Treasurer.

Section 4. Text of Resolution. The text of this Resolution authorizing the execution of the Amended Third Supplemental Indenture and the Amended Standby Agreement and related acts by the University may be changed for the purpose of curing any ambiguity, inconsistency or formal defect or omission in this Resolution or in respect of this Resolution as it relates to the Amended Third Supplemental Indenture or the Amended Standby Agreement. Such changes shall be subject to the approval of the Chairman or the Treasurer as being changes not substantially adverse to

December 4 and 5, 1986 meeting, Board of Trustees

**AUTHORIZATION OF THE EXECUTION OF AN AMENDED THIRD SUPPLEMENTAL
TRUST INDENTURE AND AN AMENDED STANDBY BOND PURCHASE
AGREEMENT RELATING TO THE VARIABLE RATE DEMAND GENERAL
RECEIPTS BONDS, SERIES 1986 B OF THE OHIO STATE UNIVERSITY (contd)**

the University or contrary to the true intent and meaning hereof and shall be acceptable to Bond Counsel.

Section 5. Open Meeting Determination. It is found and determined that all formal actions of the Board concerning or relating to the adoption of this Resolution were adopted in an open meeting of the Board, and that all deliberations of the Board and of any of its committees that resulted in such formal action were in meetings opened to the public, in compliance with all legal requirements including Section 121.22 of the Revised Code.

Section 6. Effective Date. This Resolution shall take effect and be enforced immediately upon its adoption.

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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OHIO STATE UNIVERSITY AFFILIATES, INC.

Resolution No. 87-72

WHEREAS it has been determined that there is a need to form a non-profit corporation under the Ohio Non-Profit Corporation Law to advance the interests of The Ohio State University, its students, faculty, staff, and its supporting community; and

WHEREAS Ohio State University Affiliates, Inc., is to be organized and shall be operated exclusively for educational, charitable, or scientific purposes by conducting and supporting activities which benefit, or carry out the purposes of The Ohio State University:

NOW THEREFORE

BE IT RESOLVED, That pursuant to the general authority vested in the Board of Trustees by law, The Ohio State University hereby approves the establishment of Ohio State University Affiliates, Inc., under the laws of Ohio and approves such a relationship between the University and Ohio State University Affiliates, Inc., which can qualify such organization under Section 501 (c) (3) of the United States Internal Revenue Code; and

BE IT FURTHER RESOLVED, That The Ohio State University gives its consent to Ohio State University Affiliates, Inc., to use the name, Ohio State University Affiliates, Inc.; and

BE IT FURTHER RESOLVED, That the President of the University is authorized to execute such documents that are necessary to carry out the establishment of Ohio State University Affiliates, Inc., and to provide such procedures, rules and agreements for the University's representatives serving in any capacity to assist the organization as he deems necessary or desirable to carry out effectively the responsibilities and purposes of the University.

December 4 and 5, 1986 meeting, Board of Trustees

OHIO STATE UNIVERSITY AFFILIATES, INC. (contd)

Upon motion of Mr. Teaford, 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. 87-73

RESOLVED, That the report on the University's Investment Portfolio, dated November 21, 1986, 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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Mr. Galbreath made the following statement:

I would like to make a couple of remarks. In addition, Scottie, I appreciate the coffee and the warm feet. On a very serious note, Len, as a member of our Board, it is particularly significant and I would like to acknowledge and thank you for that very generous gift. It is very special indeed.

Also, I think it is appropriate to acknowledge and congratulate all those who were involved in winning a berth at the Cotton Bowl. I personally was disappointed in, by about 3 feet, not going to California. But being the first Big 10 school to be represented in the Cotton Bowl, I think, is a distinct pleasure and privilege for us. I hope we can have a pretty good turnout down there. I know we will as fans, and Scottie, you have a good program going for the administrative group and I will look forward to being there.

And lastly, I would like to wish all of you a very Merry Christmas, a healthy and happy New Year, and I look forward to seeing you at our next meeting. Unless you hear from us further, it will be here in Ohio, February 5 and 6, on the same premises here.

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Thereupon the Board adjourned to meet Thursday, February 5, 1987, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, at 6:30 p.m.

Attest:

Madison H. Scott
Secretary

Daniel M. Galbreath
Chairman

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THE OHIO STATE UNIVERSITY
OFFICIAL PROCEEDINGS OF THE
ONE THOUSAND TWO HUNDRED AND TWENTY-SEVENTH MEETING
OF THE BOARD OF TRUSTEES

Columbus, Ohio, February 5 and 6, 1987

The Board of Trustees met at its regular monthly meeting on Thursday, February 5, and Friday, February 6 1987, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, pursuant to adjournment.

* * *
Minutes of the last meeting were approved.

* * *

February 5 and 6, 1987 meeting, Board of Trustees

Trustee Leonard J. Immke, called the meeting of the Board of Trustees to order on February 5, 1987, at 4:05 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: Leonard J. Immke, Shirley D. Bowser, Hamilton J. Teaford, John J. Barone, and Deborah E. Casto.

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Mr. Galbreath reconvened the meeting on February 6, 1987, at 10:30 a.m.

Present: Daniel M. Galbreath, Chairman, Edmund C. Redman, Leonard J. Immke, Shirley D. Bowser, Hamilton J. Teaford, John J. Barone, and John W. Kessler.

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Mr. Galbreath:

Even though we are somewhat behind schedule, we have dealt with some very heavy subjects here. On the lighter side -- since this is our first visit since the New Year, I want to wish you all a happy New Year -- and acknowledge the fact that it couldn't have started any better for us in Dallas on January 1. It was a great effort on the part of our football team and I think, last night's basketball game was almost as good, as well. We have started this year off pretty well.

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THE OHIO COLLEGE RESOURCE NETWORK

Resolution No. 87-74

Synopsis: Resolution for Regional Campuses of The Ohio State University to participate in the Ohio College Resource Network is proposed.

WHEREAS on February 14, 1986, the Ohio Board of Regents by formal resolution pledged its support to a reaffirmation of the role of Ohio's two-year colleges in the state economic and human resource development strategies; and

WHEREAS The Ohio State University has regional campuses in the communities of Lima, Mansfield, Marion, and Newark and the Agricultural Technical Institute at Wooster; and

WHEREAS the Ohio College Resource Network as proposed by the Board of Regents will be a cooperative network of mutual support designed to share resources of technical and community colleges and regional campuses of the state universities of Ohio:

NOW THEREFORE

BE IT RESOLVED, That The Ohio State University Board of Trustees authorizes the President to participate in the Ohio College Resource Network at each of the regional campuses and at the Agricultural Technical Institute, as appropriate, for the delivery of quality education to their respective service areas.

February 5 and 6, 1987 meeting, Board of Trustees

THE OHIO COLLEGE RESOURCE NETWORK (contd)

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

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AMENDMENTS TO THE BYLAWS OF THE BOARD OF TRUSTEES
AND RULES OF THE UNIVERSITY FACULTY

Resolution No. 87-75

Synopsis: Amendments to the Bylaws of the Board of Trustees and Rules of the University Faculty are proposed.

WHEREAS the Board of Trustees approved a change in titles and responsibilities for several administrative positions at its last meeting; and

WHEREAS these changes and several minor changes in title and responsibility in various administrative areas and programs now require the modification of the existing Bylaws of the Board of Trustees and Rules of the University Faculty, as follows:

BYLAWS

3335-1-01 Meetings of the board of trustees.

- (A) Regular meetings. Unless otherwise specified by the chairman, regular meetings of the board of trustees shall be held on the first Friday of each month except the month of August, during which there will be no regular meeting.
- (B) Special meetings. Special meetings of the board of trustees shall be held upon call of the chairman. Special meetings may be called by the chairman on his own initiative and shall be called by the chairman, upon written request of three members of the board.
- (C) Time and place of meetings. Unless otherwise specified in the notice of meeting, all meetings of the board shall be held at the Ohio state university at such time as is designated in the notice of meetings.

Balance unchanged.

3335-1-03 Administration of the university.

- (A) through (G) unchanged.
- (H) Vice president for business and administration. The major area of responsibility and authority of the vice president for business and administration shall be that of the administration of the university operations. Without limiting the generality of the foregoing, the vice president for business and administration 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; business services; the development, allocation, utilization, and maintenance

February 5 and 6, 1987 meeting, Board of Trustees

AMENDMENTS TO THE BYLAWS OF THE BOARD OF TRUSTEES
AND RULES OF THE UNIVERSITY FACULTY (contd)

of the physical facilities; university public safety; university systems; the operation of the Fawcett center for tomorrow; the operation of university air transportation services; the coordination of all matters administratively assigned to the other vice presidents which relate to the business and administrative areas of the university.

- (I) Unchanged.
- (J) 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; the employee assistance program; 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. Pursuant to the provisions of Chapter 124. of the Ohio Revised Code, the vice president for personnel services shall serve as the appointing authority for classified civil service employees of the university. 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.

Balance unchanged.

3335-1-04 The faculty and staff.

- (A) University faculty; membership.
- (1) As used in these bylaws and in the "Rules of the University Faculty," the term faculty shall include persons with regular, regular clinical, auxiliary, and emeritus faculty titles on full or part-time appointments with or without salary.
- (2) For purposes of the legislative authority described in paragraph (B) of this rule, the term university faculty shall mean all regular faculty, the president, members of the president's staff serving at his pleasure and designated as executive heads of offices, the deans of the colleges and of the graduate school, and the dean for undergraduate studies for arts and sciences.

RULES

3335-3-08 Vice president for business and administration.

- (A) The vice president for business and administration shall be the

AMENDMENTS TO THE BYLAWS OF THE BOARD OF TRUSTEES
AND RULES OF THE UNIVERSITY FACULTY (contd)

executive head of the office of business and administration.

- (B) The major area of responsibility and authority of the vice president for business and administration shall be that of the administration of the university operations. Without limiting the generality of the foregoing, the vice president for business and administration 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; business services; the development, allocation, utilization, and maintenance of the physical facilities; university public safety; university systems; the operation of the Fawcett center for tomorrow; the operation of the university air transportation services; 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 administration shall include the assistant vice president, administration; assistant vice president, physical facilities; assistant vice president, university architect; assistant vice president, university public safety; assistant vice president, business management; assistant vice president, business services; assistant vice president, university systems; director, contracts administration; director, internal auditing; and such other associates as may be authorized from time to time.

3335-3-14 Vice president for personnel services.

- (A) The vice president for personnel services shall be the executive head of the office of 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; the employee assistance program; 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. Pursuant to the provisions of Chapter 124. of the Ohio Revised Code, the vice president for personnel services shall serve as the appointing authority for classified civil service employees of the university. 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.

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- (C) The principal administrative officials of the office of personnel services shall include the associate vice president; assistant vice president; assistant vice president of compensation services; director of employment services; director of staff relations; 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.

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 executive director of university communications, the executive director of university development, and such other associates as may be authorized from time to time.

3335-3-171 Assistant provost for continuing education.

- (A) There shall be an assistant provost for continuing education in the office of academic affairs.
- (B) The assistant provost for continuing education shall be responsible for and have the requisite authority to provide coordinated leadership for the maintenance and improvement of all aspects of university continuing education, including but not limited to: responsibility and the requisite authority for the development and administration of policies and operating procedures for credit, continuing professional education, and non-credit programs; administration of the continuing education enrollment unit and the university office of continuing education; development of new courses and programs in cooperation with other academic units; provision of support for counseling and other services to continuing learners; and development of external sources of support for continuing education research and teaching.

3335-5-191 University faculty.

For purposes of the governance functions described in rules 3335-5-20 to 3335-5-25 of the Administrative Code, the term "university faculty" shall mean all regular faculty, the president, members of the president's staff

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serving at his pleasure and designated as executive heads of offices, the deans of the colleges and of the graduate school, and the dean for undergraduate studies for arts and sciences.

3335-5-20 Presiding officer.

The president of the university shall be the presiding officer of the university faculty. In his absence the duties of the presiding officer shall be assigned to the vice president for academic affairs and provost. In the absence of both the president and the vice president for academic affairs and provost, the duties of the presiding officer shall be assigned by the president to the dean of one of the colleges, the dean for undergraduate studies for arts and sciences, or the vice president for research and graduate studies.

3335-9-19 Instructional and general fees for instructors, graduate teaching associates, graduate research associates, graduate administrative associates, fellows, scholars, and university employees.

- (A) "Fees authorized" are those fees which are paid on behalf of a student through university accounts for the purpose of services rendered, employee benefits or student assistance. A fee authorization provides the authority to spend money from whatever account is specified to pay student fees. All fees must be authorized by an appropriate fee authorization card. Approved fee authorization will be processed as an expenditure against the department and account specified.
- (B) The payment of instructional and general fees may be authorized, except as specifically prohibited by the university, for those within the following classifications:
- (1) Members of the instructional staff of the university, with the rank of instructor and above who were employed before July 1, 1955 and who are registered in the graduate school, and any members of the teaching staff who, on the approval of the appropriate instructor and department chairperson or director of a school, enrolls as an auditor. (Rule 3335-9-11 of the Administrative Code)
 - (2) Graduate teaching associates, graduate research associates, and graduate administrative associates who meet the specified requirements of enrollment and employment may have their instructional and general fees authorized for payment as a benefit for services rendered.
 - (3) Employees of organizations having specific contracts with the board of trustees of the university whereby fees of persons designated by the agreement are authorized, in whole or in part, in lieu of payment for service rendered by the organization to the Ohio state university.
 - (4) Undergraduate and professional students eligible for the authorization of fees under scholarship assistance programs.
 - (5) Graduate students eligible for the authorization of fees under

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university, private, and governmental fellowships and traineeship agreements.

- (6) Qualified university employees under the provisions of the fee authorization program as administered by the office of personnel services. As a general principle, employees who are members of the administrative or clerical staff of the university will not be permitted to take courses except outside of the prescribed working hours.
- (C) The president, subject to the approval of the board of trustees, shall have authority to enter into an agreement with an organization or person not provided for in another category.
- (D) A copy of the agreement and the names of person, or persons, designated to sign and certify fee authorizations will be filed with the office of personnel services. All agreements shall contain information as to who is responsible for the overall administration of fee authorizations for these programs. Problems of coordination and individual cases that need interpretation of the rules concerning fee authorizations shall be referred for decision to the office of personnel services.
- (E) In all cases where interpretation and application of the rules specified herein are required, the question shall be referred for decision to the office of personnel services.

3335-47-07 Campus assignment.

The Ohio state university provides instructional programs at several locations including the central campus in Columbus, regional campuses in Lima, Mansfield, Marion, and Newark, and the agricultural technical institute (Wooster). Members of the regular faculty who receive tenure while rendering primary service on a particular campus hold tenure only at that campus.

It is the policy of the university to achieve and maintain high quality programs on each of the several campuses. Decisions regarding the selection, salary, assessment, promotion, assignment, and responsibilities of a regional campus faculty member should reflect full cooperation between the Columbus academic unit, which is responsible for instruction, and the regional campus administration. All formal recommendations (e.g., appointments, nominations for promotions or tenure, etc.) must bear the signature of the chairperson of the Columbus campus academic unit, the dean of the college of instruction, the dean of the regional campus, and the vice president for academic affairs and provost or designee.

NOW THEREFORE

BE IT RESOLVED, That the foregoing amendments to the Bylaws of the Board of Trustees and the Rules of the University Faculty be adopted.

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

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AMENDMENTS TO THE RULES OF THE UNIVERSITY FACULTY

Resolution No. 87-76

Synopsis: Amendments to rules 3335-5-18 and 3335-5-4812 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 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 January 31, 1987, as follows:

AMENDED RULES

3335-5-18 Meetings.

The department or school faculty shall meet upon call of the chairperson or director or as prescribed in the unit's pattern of administration, but not less frequently than once each quarter, or semester, during the academic year.

3335-5-4812 Faculty compensation and benefits committee.

(A) Membership.

The faculty compensation and benefits committee shall consist of fifteen members.

(1) and (2) unchanged.

(3) An emeritus member from the regular faculty appointed annually by the president in consultation with the Ohio state university retirees association.

NOW THEREFORE

BE IT RESOLVED, That the foregoing amendments to the Rules of the University Faculty be adopted as recommended by the University Senate.

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

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AMENDMENTS TO THE OHIO STATE UNIVERSITY
CODE OF STUDENT CONDUCT

Resolution No. 87-77

Synopsis: Amendments to The Ohio State University Code of Student Conduct are being proposed.

WHEREAS reorganization in the Division of Student Affairs has resulted in changes of title and office designations; and

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WHEREAS legal counsel has suggested some changes in wording to assure the rights of due process; and

WHEREAS the Council on Student Affairs, the Office of the President, the Office of the Provost, and appropriate Senate committees, have reviewed the proposed changes:

WHEREAS the University Senate approved the following changes, additions, and deletions to The Ohio State University Code of Student Conduct on December 6, 1986, as follows:

Chapter 3335-23

THE OHIO STATE UNIVERSITY CODE OF STUDENT CONDUCT

3335-23-01 Introduction.

The code exists to protect the persons, their rights, and the property of the university community and to foster and enhance the academic mission of the university. The code does not list all activities that may seriously affect the university community. It applies to the conduct of all registered students and registered student organizations (hereinafter "student") while on university premises. The term "university premises" means all lands, buildings, and facilities owned, leased, or operated by the university. Jurisdiction is limited to actions on university premises except for academic misconduct and hazing.

All persons are encouraged to report code violations to a university official as soon as possible. A charge of a code violation must be filed with the university within six months of the identification of the person allegedly committing the violation. The university shall notify the student of the alleged violation within one week of the filing of charges.

As members of the Ohio state university community, students also are subject to city, county, state, and federal law. Therefore, legal action in addition to university disciplinary action may occur.

Chapter 3335-25

RULES, POLICIES AND REGULATIONS

A student found guilty of the following conduct will be subject to university disciplinary action.

3335-25-01 Prohibited conduct.

(A) Academic misconduct.

Academic misconduct, as defined in rule 3335-31-02 of the Administrative Code.

(B) Infliction of bodily or emotional harm.

Infliction or threat of infliction of bodily or emotional harm,

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whether done intentionally or with reckless disregard, including threat or action in retaliation for making allegations of misconduct.

(C) Destruction of property.

Actual or threatened damage to or destruction of university property or property of others while on university premises, whether done intentionally or with reckless disregard.

(D) Dangerous weapons or devices.

Use, storage, or possession of dangerous weapons or devices unless authorized by an appropriate university official or as permitted by a university policy.

(E) Dishonest conduct.

Dishonest conduct, including, but not limited to, knowingly reporting a false emergency; knowingly making false accusation of misconduct; misuse or falsification of university documents by actions such as forgery, alteration, or improper transfer; submission to a university official of information known by the submitter to be false.

(F) Theft/unauthorized use of property.

Theft or attempted theft, or the unauthorized use or possession of university property or services, or the property of others while on university premises.

(G) Failure to comply with university authority.

Failure to comply with directives of authorized university officials, identified as such, in the performance of their duties, including failure to identify oneself when so requested; or, violation of the terms of a disciplinary sanction.

(H) Drugs or alcohol.

Use, production, distribution, sale, or possession of drugs or alcohol in a manner prohibited under Ohio law.

(I) Unauthorized presence.

Unauthorized entrance to or presence in or on university premises.

(J) Disorderly conduct.

Disorderly conduct that interferes with university-authorized activities, including teaching, research, administration, or other activities conducted, sponsored, or permitted by the university.

(K) Violation of university rules.

Violation of other published university regulations, policies, or rules, or any other violation of state or federal law committed on university premises.

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3335-25-02 Disruption.

(A) Rule 3335-11-02 of the Administrative Code provides for disciplinary action to be taken when a person commits conduct that is intended to disrupt or prevent university-authorized activities. This includes such conduct as obstruction of lawful movement on campus, occupation of buildings, employment or threat of force, interferences with teaching, research, or administration, damage to equipment or property, or successful solicitation to such actions. The rule does not prohibit peaceful dissent or demonstration. Rule 3335-11-021 provides for the appointment of hearing officers for these cases. Moreover, under rule 3335-11-022 of the Administrative Code, whenever a criminal court exercises jurisdiction over acts which allegedly constitute disruption by university rules, the university will not exercise jurisdiction, except in extraordinary cases of clear and present danger. (Rules 3335-11-02, 3335-11-021, and 3335-11-022 of the Administrative Code are available from the office of student life or college offices.)

(B) The Ohio Campus Disruption Act.

The Campus Disruption Act procedures are contained in sections 3345.22 to 3345.26 of the Revised Code. This act provides for a special hearing officer to be appointed by the board of regents to hear cases where a student, faculty or staff member, or employee has been arrested for certain offenses under the criminal code. The offenses include, but are not limited to: assault, menacing, arson, vandalism, and incitement to riot. Under the act, a hearing is to be held within five days of arrest of the person for the purpose of determining whether the accused person should be immediately suspended from the university. If a preponderance of the evidence elicited at the hearing indicates that the accused committed an offense under the Disruption Act, the person will be suspended from the university unless the order of the university would not be compromised by the person's presence. Conviction of the charges on which the accused was arrested will cause dismissal. An acquittal will cause reinstatement and expungement of the record. If charged but not arrested, a hearing as authorized under the act will not be held, but a conviction for any of the enumerated offenses will result in automatic dismissal from the university for one year. (Section 3345.23 (A))

3335-25-03 Policies.

Established policies and rights exist to ensure an environment conducive to equity and quality living for all members of the university community. Students violating university policy may be subject to disciplinary action.

(A) Nondiscrimination.

The policy of the Ohio state university is that discrimination against any individual for reasons of race, color, creed, religion, sexual orientation, national origin, sex, age, handicap, or Vietnam-era veteran status is specifically prohibited. Title IX of the education amendments of 1972 prohibits sex discrimination and

AMENDMENTS TO THE OHIO STATE UNIVERSITY
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Section 504 of the Rehabilitation Act of 1973 prohibits discrimination on the basis of handicap in education programs and activities. Accordingly, equal access to employment opportunities, admissions, educational programs, and all other university activities is extended to all persons, and the university promotes equal opportunity through a positive and continuing affirmative action program. (Further details on this policy may be obtained in the office of affirmative action.)

(B) Sexual harassment.

Sexual harassment is prohibited and includes: sexual contact that is not freely and mutually agreeable to both parties; communications of a sexual nature, whether physical, oral, written, or pictorial that are made for the purpose of threatening, intimidating, or humiliating the person receiving such communications; solicitation of sexual contact when submission to or rejection of such contact implicitly or explicitly imposes adverse or favorable terms or conditions on employment or academic standing. (Further details and procedures may be obtained in the office of student life and/or the office of affirmative action.)

(C) Anti-hazing.

The Ohio state university specifically prohibits "hazing," which is defined as any activity that might reasonably bring embarrassment or emotional, psychological, or physical harm to the individual or that might degrade or otherwise compromise the dignity of the individual. (Details on this policy are available in the office of student life.)

(D) Confidentiality of records.

Education records are defined by the Family Educational Rights and Privacy Act of 1974, as amended, to be those records, files, documents, and other materials which contain information directly related to a student and are maintained by any unit of the university. The following are not considered to be educational records: records made by university personnel which are in the sole possession of the maker and are not accessible or revealed to any other person, records maintained by the office of public safety, and medical and counseling records used solely for treatment. Under the act, students are given the following rights regarding their educational records:

- (1) Students have the right to inspect and review all of their education records except financial records of parents, and confidential letters and statements of recommendation for which students have waived their right of access.
- (2) Students have the right to challenge the content of their education records if they consider the information contained therein to be inaccurate, misleading, or inappropriate, and to have these records amended if a hearing officer or an appeals board, appointed by the university registrar, renders a decision favorable to the student.

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- (3) Students may waive their right of access to confidential letters and statements of recommendation.
- (4) Students must provide written consent for the release of educational records except for certain types of requests specified by the act.

(Details are available in the offices of student life and the university registrar.)

(E) Entry, search and seizure.

- (1) Every effort is made to ensure privacy in university housing and offices. Nevertheless, a designated university official has the right to enter any part of the university premises to perform reasonable custodial, maintenance and repair services, to inspect for damages or cleanliness, or in case of emergency. In university housing, reasonable effort will be made to give twenty-four-hour notice before the service or inspection is performed.
- (2) A designated university official may enter and search university premises if there is reason to believe that the premises are being used for an illegal purpose or a purpose which violates health or safety regulations or interferes with normal university operation; evidence found in such a search may be confiscated and used in disciplinary proceedings. In university housing, the designated university official shall be a residence hall director. When a residence hall director enters and searches university housing as provided for under this paragraph, reasonable efforts must be made to have present a resident of the room or apartment being searched. If a resident of the room or apartment is not present after such reasonable efforts have been made, an officer of the hall or complex student council shall witness the search.
- (3) Law officials may enter, search, and seize evidence in accordance with law.

(F) Means of expression.

- (1) The university may establish, promulgate, and enforce regulations, including regulation of sound equipment, rallies, parades, demonstrations, or other assemblies, to assure safety of persons and property and to prevent disruption of the educational process. The university must make available to students any such regulations.
- (2) No written materials may be attached by any method to university premises or property unless such posting is approved in accordance with regulations to be obtained from the student organizations and activities office.

(G) Patents and copyrights.

The university's policy on patents and copyrights in some circumstances may require that legal rights in inventions, discoveries,

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copyrightable works (including computer software), etc., developed by students be transferred to the university. That policy provides appeal procedures for resolving questions relating to such rights. Students enrolled in the university are subject to the policy. Copies of the full policy are available from the office of the patent and copyright administrator, 204 research center.

Chapter 3335-27

DISCIPLINE PROCEEDINGS

3335-27-01 Investigation.

When information is presented to a university official that indicates code violation(s) may have occurred, the university may conduct a preliminary investigation of the alleged violation. Residence hall directors, assistant hall directors, the coordinator of judicial affairs, and others appointed by the dean of student life are authorized to investigate violations other than those involving academic misconduct. During preliminary investigation, the student allegedly involved in misconduct will be sent a letter describing the violation, whom to contact for a preliminary interview, and that date by which the contact should occur. Any person believed to have information relevant to the investigation may be contacted and requested to make an appointment to discuss the matter. Upon completion of the preliminary investigation the investigator will decide whether to dismiss, change or affirm the charges. Residence hall officials may refer cases involving possible suspension or dismissal to the dean of student life or the dean's designee.

3335-27-02 Administrative decision.

In all cases, a student has the right to a panel hearing. However, in a case where a student is charged with violations other than academic misconduct, the student may opt in writing to have a decision as to appropriate action made administratively by an appropriate investigator/hearing officer rather than have the charges referred to a panel or commission for the decision. The student thus waives the right to a hearing and the related procedural guarantees provided in a panel or commission hearing. The student will sign the waiver at the time of the preliminary interview. Administrative decision does not preclude further investigation into other charges related to the incident. The student retains the right to request an appeal of the original action.

3335-27-03 Notice of proceedings.

If a hearing is to be held, written notification will be delivered to the last known address of the student, either by certified mail, first class mail or by hand-delivery, no fewer than seven calendar days prior to the hearing. In residence hall cases notification of hearings will be hand delivered or placed in student mailboxes, no fewer than seven calendar days prior to the hearing. The notification will include the charge, date, time, and location of the hearing, the hearing officer or panel, a statement of the accused's rights, and information on the hearing procedures. The accused student may waive the notice period, request a postponement for reasonable cause, or request a hearing separate from

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other accused persons. Request for a postponement or separate hearing must be received at least one day before the scheduled hearing.

3335-27-04 Hearing procedures.

Students have a right to fair hearings. Although the procedural requirements are not as formal as those existing in the civil courts of law, to ensure fairness, the following procedures apply and will be included within hearing notices:

- (A) Hearings are restricted to those directly involved or requested by the accused or hearing officer to attend. The hearing officer may take reasonable measures to assure an orderly hearing, including removal of persons who impede or disrupt proceedings.
- (B) The accused student may have a person present to advise him/her. The adviser may only counsel the student and not actively participate in the hearing, unless clarification is needed as determined by the hearing officer.
- (C) The accused may submit a written statement, may invite witnesses to attend on the accused's behalf, may ask questions of witnesses called by others, and will be notified of witnesses to be called. The university may present witnesses as well as question those presented by the accused.
- (D) Written statements signed by a witness, accepted and verified as that witness' statement by the preliminary investigating officer, may be used if, for good reason, the witness cannot attend the hearing.
- (E) University hearings, unlike proceedings of courts of law, do not require conclusive proof; instead, the greater weight of the evidence is sufficient for the hearing officer or panel to decide if a violation of the code has occurred and to impose a sanction.

3335-27-05 Attendance.

Because the most accurate and fair review of the facts can best be accomplished when all parties are present, the accused is expected to attend. If an individual does not choose to attend a hearing, the charges will be reviewed as scheduled on the basis of the information available and a decision will be made. No decision shall be based solely on the failure of the accused student to attend the hearing or answer the charges.

3335-27-06 Record and nature of proceedings.

A record consisting of written notes, tape, or other method selected by the hearing panel or officer, will be made of all hearings. This record will be available to the accused, during the appeal period, and can be copied at his or her expense. A written notice of the decision and information regarding appeal procedures will be sent to the accused student. In general, materials relating to a disciplinary action are confidential and may be made available by the hearing officer or panel only to those who have a valid need to know, e.g., discipline officers, vice president for academic affairs and provost and other university

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officials who have a demonstrated need to know. The policy governing confidentiality and release of records is printed in the quarterly master schedule and available from the office of student life.

3335-27-07 Appeal.

A student found to have violated this code has the right to appeal the original decision. Appeals must be filed within fourteen calendar days from the date of the sanction decision letter. The following guidelines apply:

- (A) The grounds for appeal are procedural error, misapplication or misinterpretation of the rule alleged to be violated, findings of facts not supported by a greater weight of evidence, and discovery of substantial new facts that were unavailable at the time of hearing.
- (B) Barring introduction of substantial new facts, an appeal is limited to a review of the proceedings of the previous hearing.
- (C) An appeal based on grounds of procedural error, misapplication or misinterpretation of the rule alleged to be violated, or findings of facts not supported by a greater weight of evidence cannot result in a more severe sanction being imposed.
- (D) A decision by a person designated to decide appeals, that there are substantial new facts that were unavailable at the time of the hearing, shall result in a new hearing by a different hearing panel or hearing officer. The determinations of this panel or officer shall in no way be influenced or bound by the results of the original hearing.
- (E) On appeal, where charges resulted in suspension or dismissal, a student is allowed active representation by an adviser.
- (F) In residence halls, appeals from living unit commissions are referred to the hall director; appeals from director's administrative decision are referred to the area coordinator; appeals of area coordinators are referred to the associate director of residence and dining halls for residence life; appeals from decisions of hearing officers appointed by the dean of student life are referred to the dean of student life; appeals from cases heard by the dean are referred to the vice provost for student affairs; appeals from university court decisions in disciplinary hearings are referred to the dean of student life; appeals from council on academic misconduct are referred to the provost.

3335-27-08 Minor deviations from procedure.

A student and hearing panel or officer may agree in advance to minor deviations from procedure; such deviations are not then subject to appeal. Other minor deviations are acceptable as long as such deviations are not found upon appeal, as provided for in rule 3335-27-07 (A), to be unreasonably harmful to the student.

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Chapter 3335-29

UNIVERSITY SANCTIONS

3335-29-01 General.

Sanctions to be imposed upon students by the university are varied and may be imposed for violation of policies, rules, and regulations. When the sanctions are imposed, consideration will be given to individual mitigating circumstances as well as aggravating factors, such as, past misconduct by the student or failure of the student to fully comply with previous sanction conditions. Sanctions take effect immediately upon date of first notice, whether oral or written, unless otherwise specified within such notice.

3335-29-02 Warning admonition.

A warning letter of admonition to a student represents a formal statement for a specific conduct violation. Upon issuance of a formal letter of admonition, a discipline file is created in the office of the dean of student life. The file will be consulted in determining sanctions for any further proven code violations at a future date.

3335-29-03 Disciplinary probation.

Probation is a sanction that is given for a specified period of time. A discipline record is created in the office of the dean of student life. Misconduct during the probationary period may cause more serious disciplinary action to be taken. Written notice of probationary status is forwarded to the student's college. Conditions restricting the student's privileges or eligibility for activities may be imposed. Such privileges and eligibility are automatically restored upon completion of the probation period if the student has complied satisfactorily with all conditions and refrained from further code violations.

3335-29-04 Suspension and dismissal.

(A) Suspension.

Suspension is a sanction by which the student is involuntarily separated from the university for a period not to exceed three full academic quarters following the effective date specified in the sanction letter. Eligibility for reenrollment is restored upon expiration of suspension.

(B) Dismissal.

Dismissal is a sanction by which the student is involuntarily separated from the university for four full quarters or more following the effective date specified in the sanction letter. Reenrollment of the student at the university after dismissal is not guaranteed. The student must reapply for admission to the university.

(C) Conditions of suspension and dismissal.

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- (1) A student who has been dismissed or suspended from the university:
- (a) shall be denied all privileges accorded a student; and
 - (b) shall be required to leave campus at a time determined by the hearing officer or panel.

However, the dismissed or suspended student:

- (i) may petition to the vice president for academic affairs and provost for entrance to the campus for a specified purpose; and
 - (ii) has the right of appeal to remove or to reduce the terms of this condition. The appeal procedures will be specified in every sanction letter.
- (2) Upon reinstatement, a student may be required to meet certain other conditions imposed by the hearing body such as ineligibility to participate in specified student activities; or ineligibility to participate in intercollegiate events; or periodic contact with a designated university staff member or counseling agency, to the extent that such conditions pertain to the original offense.

Depending upon the merits of the individual case, and recommendation from the coordinator of the committee on academic misconduct, the coordinator of judicial affairs, or the dean of the student's college, these conditions may be waived by the vice president for academic affairs and provost, or designee, at the time of the student's reinstatement.

3335-29-05 Interim suspension.

When the vice president for academic affairs and provost is given reasonable cause to believe that a student has violated university rules and there is reasonable cause to believe that the student's presence on campus constitutes a clear danger to the university community or creates a substantial risk of injury to any person on university premises, the student may be immediately suspended from university premises. This temporary suspension is imposed pending the initiation of a full hearing without undue delay on the merits of the case in accordance with the rules of the Ohio state university. The student may request, in writing, an appeal of the interim suspension to the vice president for academic affairs and provost, within three working days of imposition of the suspension. An appeal hearing will be conducted without undue delay by the vice president for academic affairs and provost, or the vice president's designee.

3335-29-06 Restitution.

Restitution is a sanction that requires the student to make reimbursement for damages to, destruction or misappropriation of university property or services, or the property of any person. This sanction may be ordered in lieu of or in connection with another sanction.

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3335-29-07 Other sanctions.

Other sanctions that the hearing officer or panel deems appropriate to the student and the conduct violation in question may be imposed. For example, research assignments, community service projects, and special workshop participation can be assigned as recommended sanctions or as conditions to another sanction. In cases of academic misconduct, a failing grade may be recommended for the academic coursework. In residence halls, other sanctions may include contract termination or reassignment to another room. Non-residence hall hearing officers or panels may recommend sanctions of this type to the office of residence life.

Failure to meet requirements of any sanction in the time allotted or a repetition of misconduct may result in an extension of the period of sanction or imposition of a more severe sanction.

3335-29-08 Concurrent jurisdiction.

A student whose conduct has been found to be in violation of established university rules and regulations also may be subject to other appropriate actions by individual university offices. An incident may result in criminal or civil charges as well as a university disciplinary action. Unless otherwise provided by law, disciplinary and court proceedings may occur concurrently.

3335-29-09 Registered student organization sanctions.

Registered student organizations may lose privileges or registration for violation of the code or the regulations contained within the student organization handbook.

Chapter 3335-31

HEARING BODIES

3335-31-01 Jurisdiction.

Except for conduct that occurs on regional campuses and the agricultural technical institute, the following hearing bodies decide cases occurring on the Columbus campus involving student conduct in violation of the rules, policies and regulations of the university. These hearing bodies may establish and promulgate their own operating procedures in accordance with university regulations and procedures. Such procedures shall be made available to students. On the regional campuses, and the agricultural technical institute, similar hearing processes and procedures shall be created, as necessary, and promulgated on each campus as appropriate and as approved by the vice president for academic affairs and provost. Students on regional campuses and the agricultural technical institute are, therefore, advised to consult regional campus publications for details on these local procedures.

3335-31-02 Committee on academic misconduct.

(A) The committee shall investigate or establish procedures for investigation of all reported cases of student academic misconduct

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AMENDMENTS TO THE OHIO STATE UNIVERSITY
CODE OF STUDENT CONDUCT (contd)

and decide upon suitable disciplinary action. However, the committee does not hear cases involving academic misconduct in professional colleges having a published honor code. These colleges shall follow their own codes and procedures which can be obtained in their respective central offices. The committee may, in its discretion, refer cases to the university judicial panel if it determines that the academic misconduct allegation is incidental to some other misconduct.

- (B) "Academic misconduct" is defined as any activity which tends to compromise the academic integrity of the institution, or subvert the educational process. Examples of academic misconduct include, but are not limited to:
- (1) Violation of course rules as contained in the course syllabus or other information provided the student; violation of program regulations as established by departmental committees;
 - (2) Providing or receiving information during quizzes and examinations such as course examinations and general examinations; or providing or using unauthorized assistance in the laboratory, at the computer terminal, or on field work;
 - (3) Plagiarism, including the use of term papers or laboratory reports from any source other than the student's own work;
 - (4) Falsification, fabrication, or dishonesty in reporting research results;
 - (5) Serving as, or enlisting the assistance of, a "ringer" or substitute for a student in the taking of examinations;
 - (6) Alteration of grades or marks by the student in an effort to change the earned grade or credit; and
 - (7) Alteration of university forms used to drop or add courses to a program, or unauthorized use of those forms.
- (C) All cases of suspected misconduct shall be reported to the committee. The committee also shall investigate cases of lax or irregular examination methods and report findings to the vice president for academic affairs and provost. Students have the obligation to report suspected misconduct or irregular or lax examination methods. The committee may impose any code sanction. The committee consists of:
- (1) Fifteen faculty members elected by the university senate for three-year terms; beginning with summer quarter, the election to be held annually so that five members will retire each year. No member of the university faculty may serve more than two consecutive terms;
 - (2) Five graduate student members appointed in the summer quarter by the president of the council of graduate students, with the approval of the council of graduate students, for a one-year term beginning with the autumn quarter;

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AMENDMENTS TO THE OHIO STATE UNIVERSITY
CODE OF STUDENT CONDUCT (contd)

- (3) Five undergraduate student members appointed in the spring quarter by the president of the undergraduate student government, with the approval of the undergraduate student assembly, for a one-year term beginning with the summer quarter;
 - (4) The dean of student life, or designee, ex-officio and without vote; and
 - (5) A coordinator, appointed by the vice president for academic affairs and provost, ex-officio and without vote and charged with assisting the committee in administrative matters. The coordinator does not participate in the decisions of the committee.
- (D) The committee on academic misconduct establishes panels from its membership with student/faculty ratios at least as great as that of the full committee to conduct hearings and make decisions with the same authority as the full committee on academic misconduct.
- (E) The committee on academic misconduct establishes rules and procedures to conduct hearings, including the definition of a quorum.

(Details of rule 3335-5-487 of the Administrative Code, which defines the committee on academic misconduct, and committee procedures are available from the office of the vice president for academic affairs and provost.)

3335-31-03 University judicial panel.

The panel hears cases of non-academic misconduct referred by the coordinator of judicial affairs, except for cases involving disruption or professional college codes. The panel may hear cases referred by the committee on academic misconduct. The panel is authorized to impose any code-authorized sanction. The panel consists of:

- (A) A chairperson (faculty or administrative staff member) appointed by the dean of student life;
- (B) Three faculty members recommended to the dean by the vice president for academic affairs and provost for three-year terms, annually appointed so that one member retires each year; and
- (C) Three student members, selected from a total group of seven: three undergraduate students, appointed by the president of the undergraduate student government; two graduate students, appointed by the president of the council of graduate students; and, two professional students, appointed by the president of the inter-professional council. Selection for each panel hearing will be made to reflect the undergraduate, graduate or professional status of the accused student. All student appointments shall be for one-year terms.
- (D) The coordinator of judicial affairs shall serve ex-officio as panel coordinator without a vote.
- (E) The dean of student life will appoint a panel composed of six members with expertise to include, but not be limited to, sexual harassment cases or those with racial overtones. This panel will serve as a resource for information concerning a variety of cases.

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AMENDMENTS TO THE OHIO STATE UNIVERSITY
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One member from this panel of experts may be selected by the coordinator of judicial affairs, to serve as a member of the university judicial panel as the case warrants. The expert panel member will participate in the entire case, but will not vote at the conclusion of the deliberations.

3335-31-04 Residence hall living unit commissions.

The commission may only hear cases, referred by a residence hall hearing officer, that involve code violations which occur within the residence halls, whether committed by residents or non-residents. The commissions are composed of students from each living unit, and may recommend any sanction to the hearing officer, with the exception of suspension or dismissal. During the hearing, should new facts emerge that indicate that the violation may be serious enough to warrant suspension or dismissal, the commission will adjourn and refer the case back to the hearing officer for referral to the dean of student life, or the dean's designee.

3335-31-05 Administrative hearings.

The coordinator of judicial affairs and hearing officers designated by the dean of student life may investigate and conduct administrative hearings of alleged non-academic code violations. If the student so requests and waives the notice period, the coordinator of judicial affairs or hearing officer may hear cases administratively after investigation, or refer them to the university judicial panel.

After investigation, residence hall hearing officers also may conduct administrative hearings. The residence hall hearing officer may hear cases administratively rather than refer them to the commission, if the student so requests. The student must request, in writing, an administrative or commission decision. The residence hall hearing officer must refer cases to the coordinator of judicial affairs if suspension or dismissal is believed a possibility.

3335-31-06 University court.

- (A) The university court will hear campus election disputes, undergraduate student government impeachment proceedings, and contested student traffic violations. The court shall interpret the undergraduate student government constitution as applied to students and student organizations. The court shall be empowered to issue restraining orders when the conduct of the student organization is in violation of the undergraduate student government constitution and to terminate student organization registration until compliance.
- (B) The court consists of a magistrate, chief justice and five prosecutor/defenders in accordance with committee rules.

3335-31-07 Hearing panels on campus disruption.

In accordance with the university disruption rule and the Ohio Campus Disruption Act, cases involving disruption of university activities will be heard by a special hearing body or officer. (For details on hearing officers, panels, and procedures, see rules 3335-11-02, 3335-11-021, and 3335-11-022 of the Administrative Code, and sections 3345.22 to 3345.26

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AMENDMENTS TO THE OHIO STATE UNIVERSITY
CODE OF STUDENT CONDUCT (contd)

of the Ohio Revised Code. These rules are available in the office of student life.)

SELECTED RULES AND REGULATIONS

The following rules and regulations may be obtained from the office of student life or the ombudsman:

- Conditions for disenrollment from a course
faculty rule 3335-7-33
- Improper admission or registration
faculty rule 3335-9-20
- Alterations of marks
faculty rule 3335-7-23
- Ohio Campus Disruption Act
Ohio Revised Code 3345.21 - 3345.26
- Procedures for hearing officers and panels
faculty rule 3335-11-02, 3335-11-021 and 3335-11-022
- Guest speakers
faculty rule 3335-5-06
- Drives and canvassing
faculty rule 3335-13-01
- Control of dogs and other animals
faculty rule 3335-13-05
- Smoking-tobacco
faculty rule 3335-13-02
- Duplication of keys
faculty rule 3335-13-04
- Medical examination and enrollment denial for medical reasons
faculty rule 3335-9-08
- Withdrawal for medical reasons
faculty rule 3335-9-081
- Residence and Dining Halls Guidebook

AUTHORITY SECTION

The bylaws of the university board of trustees and rules of the university faculty provide that the university president shall have the final responsibility and authority for the discipline of all students of the university.1/ This responsibility and authority has been delegated by the president to the vice provost for student affairs, whose office is also charged with responsibility for promulgation of rules governing student conduct.2/

February 5 and 6, 1987 meeting, Board of Trustees

**AMENDMENTS TO THE OHIO STATE UNIVERSITY
CODE OF STUDENT CONDUCT (contd)**

The deans of colleges and of the graduate school, the directors of schools, and the chairpersons of departments, respectively, are responsible to the president through regular disciplinary channels for the discipline of all students in the activities of their respective colleges, schools, and departments.^{3/} Likewise, the deans and directors of the regional campuses are responsible to the president through the vice president for academic affairs and provost for the discipline of all students in the activities of their respective campuses.

The Ohio state university code of student conduct is an official publication of the university board of trustees. All petitions for revision and amendment of this student code should be submitted through the office of the vice provost for student affairs. Proposed revisions to the code shall be reviewed, in draft form, by the office of the president, the office of academic affairs, and the steering committee of the university senate before being presented for approval to the university senate by the council on student affairs. No revision shall become effective unless approved by the university board of trustees and until printed notice of such revision is made available to students.

The code applies to all students. Students attending at regional campuses and the agricultural technical institute are advised to consult their local campus publications for additional information pertaining to those campuses.

1/ Rule 3335-11-01 (A)

2/ Rule 3335-3-174

3/ Rule 3335-11-01 (B)

NOW THEREFORE

BE IT RESOLVED, That the foregoing amendments to The Ohio State University Code of Student Conduct be adopted as recommended by the University Senate.

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

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PERSONNEL ACTIONS

Resolution No. 87-78

RESOLVED, That the personnel actions as recorded in the Personnel Budget Records of the University since the December 5, 1986 meeting of the Board, including the following Changes in Title, Appointments, Reappointment of Principal Administrative Official, Appointment of Chairpersons of Departments, Reappointment of Chairpersons of Departments and Director of Center, Leaves of Absence Without Salary, Leave of Absence Without Salary--Continuation, Professional Improvement Leaves, Professional Improvement Leave--Change of Dates, Professional Improvement Leave--Continuation, and Emeritus Titles as detailed in the University Budget be approved, and the Medical Staff--Appointments approved December 18, 1986, by the Hospitals Board be ratified.

February 5 and 6, 1987 meeting, Board of Trustees

PERSONNEL ACTIONS (contd)

Changes in Title

Name: CHARLES E. CORBATO
Title: Associate Provost/Professor
Office/Department: Academic Affairs/Geology and Mineralogy
Effective: January 1, 1987
Salary: \$75,000.00
Present Position: Professor, Department of Geology and Mineralogy

Name: HOWARD L. GAUTHIER
Title: Associate Provost/Professor
Office/Department: Academic Affairs/Geography
Effective: January 1, 1987
Salary: \$80,040.00
Present Position: Professor, Department of Geography

Name: BARBARA M. NEWMAN
Title: Associate Provost/Professor
Office/Department: Academic Affairs/Family Relations and Human Development
Effective: January 1, 1987
Salary: \$75,000.00
Present Position: Chairperson/Professor, Department of Family Relations and Human Development

Appointments

Name: PETER W. CULICOVER
Title: Associate Provost/Professor
Office/Department: Academic Affairs/Linguistics
Effective: July 1, 1987
Salary: \$85,000.00
Present Position: Acting Dean, School of Social and Behavioral Sciences, University of Arizona

Name: KIRKLYN M. KERR
Title: Director/Professor
Center/Department: Ohio Agricultural Research and Development Center/
Poultry Science
Effective: June 1, 1987
Salary: \$83,520.00
Present Position: Head and Professor, Department of Veterinary Science, and Assistant Dean, School of Veterinary Medicine, Louisiana State University

Name: HAROLD SHECHTER
Title: Professor (The M. S. Newman Professorship)
Department: Chemistry
Effective: March 1, 1987
Salary: \$59,724.00
Present Position: Professor, Department of Chemistry

February 5 and 6, 1987 meeting, Board of Trustees

PERSONNEL ACTIONS (contd)

Appointments (contd)

Name: DONALD V. UNVERFERTH
Title: Professor (John Hay and Ruth Jansson Wilson Professorship in Cardiology)
Department/Division: Internal Medicine/Cardiology
Effective: December 1, 1986
Salary: \$92,040.00
Present Position: Professor, Department of Internal Medicine, Division of Cardiology

Reappointment of Principal Administrative Official

ANDREW J. BROEKEMA, Dean of the College of The Arts, effective February 1, 1987, through January 31, 1992, pursuant to rule 3335-3-17 of the Administrative Code.

Appointment of Chairpersons of Departments

October 1, 1986 through September 30, 1990

Psychology James C. Naylor

January 1, 1987 through June 30, 1987

Family Relations and Human Development Patrick C. McKenry*

January 1, 1987 through December 31, 1991

Animal Science Charles F. Parker

Reappointment of Chairpersons of Departments and Director of Center

January 1, 1987 through June 30, 1987

Melton Center for Jewish Studies Marc L. Raphael

January 1, 1987 through December 31, 1991

Veterinary Clinical Sciences William W. Muir III

July 1, 1987 through June 30, 1988

Art Charles W. Massey, Jr.

*Acting Chair

Leaves of Absence Without Salary

CHARLES M. ATKINSON, Associate Professor, School of Music, effective Winter Quarter and Spring Quarter 1987, to accept a Visiting Professorship in Music at The University of North Carolina at Chapel Hill.

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PERSONNEL ACTIONS (contd)

Leaves of Absence Without Salary (contd)

MARGARET M. O'DOUGHERTY, Assistant Professor, Department of Pediatrics, effective October 27, 1986, through December 31, 1986, for personal reasons.

CATHERINE L. WOOD, Assistant Professor, Departments of Medicine and Pharmacology, effective December 8, 1986, through April 30, 1987, for medical reasons.

Leave of Absence Without Salary--Continuation

BERYL J. JACKSON, Assistant Professor, Cooperative Extension Service, effective December 1, 1986, through December 31, 1986, for medical reasons.

Professional Improvement Leaves

C. RICHARD DORN, Chairperson and Professor, Department of Veterinary Preventive Medicine, effective August 1, 1987, through July 31, 1988.

ROBERT W. CANZONERI, Professor, Department of English, effective Autumn Quarter 1987, Winter Quarter and Spring Quarter 1988.

JOHN A. M. ROTHNEY, Professor, Department of History, effective Autumn Quarter 1987, Winter Quarter and Spring Quarter 1988.

CHARLES E. GRIBBLE, Associate Professor, Department of Slavic and East European Languages and Literatures, effective Autumn Quarter 1987, Winter Quarter and Spring Quarter 1988.

DAVID J. HART, Associate Professor, Department of Chemistry, effective Autumn Quarter 1987 and Winter Quarter 1988.

MICHAEL B. HOWIE, Associate Professor, Department of Anesthesiology and College of Pharmacy, effective June 1, 1987 through May 31, 1988.

LISA J. KISER, Associate Professor, Department of English, effective Autumn Quarter 1987, Winter Quarter and Spring Quarter 1988.

GRINOR ROJO, Associate Professor, Department of Romance Languages and Literatures, effective Autumn Quarter 1987, Winter Quarter and Spring Quarter 1988.

TAMAR RUDAVSKY, Associate Professor, Department of Philosophy, effective Autumn Quarter 1987, Winter Quarter and Spring Quarter 1988.

STEWART D. SHAPIRO, Associate Professor, Department of Philosophy (Newark), effective Autumn Quarter 1987, Winter Quarter and Spring Quarter 1988.

Professional Improvement Leave--Change of Dates

BERNARD J. LALONDE, Professor, Academic Faculty of Marketing, change leave from Autumn Quarter 1986, Winter Quarter and Spring Quarter 1987, to Winter Quarter, Spring Quarter and Autumn Quarter 1987.

February 5 and 6, 1987 meeting, Board of Trustees

PERSONNEL ACTIONS (contd)

Professional Improvement Leave--Continuation

JAMES R. MORITA, Associate Professor, Department of East Asian Languages and Literatures, effective Spring Quarter 1987.

Emeritus Titles

ELMER F. BAUMER, Office of Academic Affairs Administration and Department of Agricultural Economics and Rural Sociology, with the title Associate Provost and Professor Emeritus, effective February 1, 1987.

ROBERT E. GEORGES, College of Business Administration and Academic Faculty of Management and Human Resources, with the title Associate Dean and Associate Professor Emeritus, effective March 1, 1987.

WOODFORD W. ZIMMERMAN, Lima Campus and School of Music, with the title Associate Dean and Associate Professor Emeritus, effective December 1, 1986.

HARRY H. CHANDLER, College of Dentistry - Restorative Dentistry, with the title Professor Emeritus, effective February 1, 1987.

ROBERT KAPLAN, School of Health, Physical Education, and Recreation, with the title Professor Emeritus, effective February 1, 1987.

JOHN M. MUSTE, Department of English, with the title Professor Emeritus, effective February 1, 1987.

CLYDE K. SMITH, Department of Veterinary Preventive Medicine, with the title Professor Emeritus, effective October 1, 1986.

FREDERICK D. STOCKER, Department of Economics and School of Public Administration, with the title Professor Emeritus, effective January 1, 1987.

HARRY E. EZELL, Department of Obstetrics and Gynecology, with the title Clinical Professor Emeritus, effective January 1, 1987.

MARJORIE P. MCMILLIN, College of Social Work, with the title Associate Professor Emeritus, effective January 1, 1987.

RALPH H. ROSENBLUM, College of Dentistry - Restorative Dentistry, with the title Associate Professor Emeritus, effective February 1, 1987.

ELDON M. FREESE, College of Dentistry - Restorative Dentistry, with the title Assistant Professor Emeritus, effective February 1, 1987.

JOHN R. KNODERER, College of Dentistry - Restorative Dentistry, with the title Assistant Professor Emeritus, effective February 1, 1987.

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

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February 5 and 6, 1987 meeting, Board of Trustees

RESOLUTIONS IN MEMORIAM

Resolution No. 87-79

Synopsis: Resolutions honoring the service of five 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.

Fred E. Deatherage

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on October 20, 1986, of Fred E. Deatherage, Professor Emeritus in the Department of Biochemistry.

Dr. Deatherage was born in 1913 in Waverly, Illinois. He received his B.A. from Illinois College, Jacksonville, Illinois, in 1935; his M.A. from the University of Illinois, Urbana, in 1936; and his Ph.D. in 1938 from the State University of Iowa, Iowa City, Iowa. His honors included Phi Beta Kappa, Sigma Xi, Phi Lambda Upsilon, and Gamma Sigma Delta.

Dr. Deatherage joined the faculty at Ohio State as an Assistant Professor in 1946 and became Professor and Chairman of the Department of Agricultural Biochemistry in 1951. In 1960, he was appointed by the U.S. Government as a member of a seven-man delegation to Russia, to study food production, processing, and supply problems in the USSR. From 1964-1968 he was on leave from the University to participate in AID-Brazil, Pirachicaba, Brazil. He retired from The Ohio State University in 1981.

Dr. Deatherage produced 75 original papers of a research nature, a textbook for a course he taught for many years in biochemical nutrition, and held many research grants, both public and private, to support his research in food science. He was especially interested in the biochemical nature and quality of meat and other foods, and served as a consultant for food industries. He lectured locally, nationally, and internationally on the subject that he wrote on extensively, Food for Life (incidentally, the title of his textbook).

Dr. Deatherage maintained an intense interest in developing biochemistry at The Ohio State University. On the occasion of the centennial of The Ohio State University, the Board of Trustees requested each unit to prepare a history of its work "to assess our first 100 years and to utilize this heritage as a foundation for building an even greater institution." Dr. Deatherage saw this request as a deep responsibility to trace from its origin (as a Professorship in Agricultural Chemistry, created in 1882), the development into a Faculty of Biochemistry and Molecular Biology, changed in 1970 to the Department of Biochemistry in the College of Biological Sciences. Dr. Deatherage produced an exhaustive history of this development which he called "Liberal Academic Conservatism, Conservative Academic Liberalism, and Biochemistry: A History of the Academic Faculty of Biochemistry and Molecular Biology, College of Biological Sciences, The Ohio State University" (unpublished).

Professor Deatherage was an outstanding teacher whose many graduate students achieved goals that gave him much satisfaction. His special role in encouraging younger scholars in teaching and research was evident

February 5 and 6, 1987 meeting, Board of Trustees

RESOLUTIONS IN MEMORIAM (contd)

Fred E. Deatherage (contd)

to all. He gave the University 40 years of devoted service. A complete record of his efforts is found in work cited above.

On behalf of the University community, the Board of Trustees expresses to the family of Dr. Deatherage its deepest sympathy. 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 sincere expression of the Board's realization of the loss that the family, the University and his many friends and associates have sustained.

Martha P. Lawry

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on December 16, 1986, of Martha P. Lawry, Assistant Professor Emeritus in the University Libraries.

Professor Lawry was born in 1925 and spent her formative years in Clyde, Sandusky County, Ohio. She held a B.A. degree (with distinction) from the College of Wooster; a M.A. (Speech) from Northwestern University; and a M.S. (Library Science) from Case Western Reserve University. Among honors awarded Ms. Lawry were membership in Phi Beta Kappa, Delta Sigma Rho (Public Speaking), and Beta Phi Mu (Library Science).

Ms. Lawry held several positions in the University Libraries during her decade of service (1976-1986) to Ohio State, among them Head of the Women's Studies Library (1979-1980) and Head of the Catalog Department (1982-1986). She was also an active member of many professional organizations and held several positions of leadership, including service as a member of the Executive Board of the Academic Library Association of Ohio, and of the Board of Directors of the Ohio Library Foundation. She contributed substantively to the literature of women's studies and librarianship, especially as co-editor and editor (1979-1980) of Women's Studies Review. She became a thoughtful essayist on the role of catalogers in the age of online catalogs and a strong advocate for the involvement of all librarians, especially catalogers, in the bibliographic instruction of students and other users of libraries. Her last article, "Subject Access in the Online Catalog: Is the Medium Projecting the Correct Message?" was published in Research Strategies in Summer 1986. She retired from The Ohio State University in October 1986 and was named Assistant Professor Emeritus.

A highly intelligent, well-educated, and dedicated librarian, Professor Lawry analyzed issues clearly and expressed her ideas and research findings with style and wit, and always with full sensitivity to the values and feelings of others. She became a natural leader in the University Libraries out of a sense of duty to Ohio State, the Libraries, and the profession of librarianship, but most of all out of a strongly felt sense of responsibility to her colleagues. As much as Ms. Lawry was a leader, she was a confidant, teacher, and mentor for many librarians, especially other women attempting to establish their own way and define their own identities. Martha Lawry will be missed by the many people at Ohio State who counted themselves fortunate to have known and worked with her.

February 5 and 6, 1987 meeting, Board of Trustees

RESOLUTIONS IN MEMORIAM (contd)

Martha P. Lawry (contd)

On behalf of the University community, the Board of Trustees expresses to the family of Professor Lawry its deepest sympathy. 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 sincere expression of the Board's realization of the loss that the family, the University and her many friends and associates have sustained.

C. Eugene Maynard

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on November 15, 1986, of C. Eugene Maynard, Dean/Director Emeritus of The Ohio State University Marion Campus.

Gene Maynard was born June 25, 1923, in Marion, Ohio. He graduated from Marion Harding High School with the class of 1941. Following service with the U.S. Infantry in Italy during World War II, he received a Bachelor of Science in Education degree (magna cum laude) from Bowling Green State University in 1950, and a Master of Arts degree in 1951.

Prior to joining The Ohio State University faculty, he taught at Marion Harding High School. When The Ohio State University opened its doors in Marion in 1957, Maynard was named director and continued to teach English and history at Harding. He also taught courses in history and education at Ohio Wesleyan University from 1954-1958.

In July 1965, Maynard accepted the appointment of full-time director of the Marion Campus. That same year funds were appropriated to establish a permanent Ohio State campus in Marion. He ably directed the transition from an afternoon and evening branch operation to a full daytime and evening campus beginning in the fall of 1968.

In 1970 he wrote the "Official Plan for the Establishment of the Marion County Technical Institute," now Marion Technical College, which was adopted by the Ohio Board of Regents. Also in 1970, upper division courses were added at the Marion Campus in elementary education.

Dean Maynard saw the campus grow from 165 students in 1957 to a high of 765 on January 31, 1980, the date of his retirement. John T. Mount, former Ohio State University Vice President for Regional Campuses said, "All who have been associated with Gene Maynard know of his sincere dedication to the profession of education and respect him for his steadfast integrity. Over the past 28 years he served as a valuable and faithful member of The Ohio State University administrative team."

Dean Emeritus Maynard was a member of St. Paul's Evangelical Lutheran Church, Kiwanis Club of Marion, the Marion County Mental Health Board, and was a past president of the Order of Symposiarchs. He held memberships in Phi Alpha Theta history honorary; Sigma Tau Delta English honorary; Kappa Delta Pi education honorary; and Omicron Delta Kappa leadership honorary. He was a member of the American Association for Higher Education.

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

February 5 and 6, 1987 meeting, Board of Trustees

RESOLUTIONS IN MEMORIAM (contd)

C. Eugene Maynard (contd)

of Trustees and that a copy be tendered to the family as an expression of the Board's heartfelt sympathy.

W. Hugh Missildine

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on November 25, 1986, of W. Hugh Missildine, Professor Emeritus in the Department of Psychiatry.

Dr. Missildine was born July 23, 1915, and graduated from The University of Iowa Medical School in 1939. He completed residency training in general psychiatry and child psychiatry at Johns Hopkins, and has been a member of The Ohio State University College of Medicine faculty since 1949. He served for over two decades as a member of the regular faculty, and converted to clinical faculty status in 1976. In this role, he continued to contribute actively to the teaching programs of the Departments of Psychiatry and Pediatrics.

For many years, he was the only trained child psychiatrist in Central Ohio, and is recognized as the "grandfather of child psychiatry" in Central Ohio. He contributed invaluablely to the teaching of generations of medical students, residents, and fellows.

He authored a well-known book, Your Inner Child of the Past, which, in its innovative concepts, anticipated by several years the advent of transactional analysis. As editor of a monthly newsletter for pediatricians, he promoted child mental health on a national scope. He was highly respected in the community and nation.

On behalf of the University, the Board of Trustees expresses its sympathy and understanding to those who mourn for Professor Missildine. 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.

Margaret M. Willis

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on November 5, 1986, of Margaret M. Willis, Associate Professor Emeritus in the Department of Educational Theory and Practice.

Professor Willis was born in 1899 in Port Clinton, New York. She received her Bachelor of Arts degree in history from Wellesley College in Massachusetts in 1919. After working as a governess in Japan and teaching high school in her native state of Washington, she earned a Master of Arts in Education from Columbia University in New York (1925). She then taught for a number of years in Switzerland and Turkey before joining the faculty in the College of Education.

As a teacher of history and social studies in the University School from 1932 to 1967, she inspired many students by instilling a curiosity for truth and a sense of independent inquiry. Her colleagues had a deep respect and love for her as a teacher and friend. Upon her retirement in 1967, Professor Willis was named Associate Professor Emeritus.

February 5 and 6, 1987 meeting, Board of Trustees

RESOLUTIONS IN MEMORIAM (contd)

Margaret M. Willis (contd)

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in their 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.

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

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REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS

Resolution No. 87-80

Synopsis: The reports on contracts, grants, and gifts and the summaries for November and December 1986 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 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 and The Ohio State University Development Fund during the months of November and December 1986 be approved.

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

SUMMARY FOR NOVEMBER 1986

Source	No. of Projects	Support Level
The Ohio State University Research Foundation	43	\$2,623,940.00
Engineering Experiment Station	54	\$ 49,294.00
Total	97	\$2,673,234.00

February 5 and 6, 1987 meeting, Board of Trustees

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

SUMMARY FOR NOVEMBER 1986 (contd)

The Ohio State University Development Fund

Establishment of Named Funds

The Jack L. Beal Fellowship (Graduate fellowship in the area of medicinal chemistry and pharmacognosy)	\$	23,041.00
The Matthew J. Eggert Scholarship for Veterinary Medicine (Scholarships)	\$	20,000.00
Dr. Carl F. Goll College of Medicine Scholarship Fund (Scholarships)	\$	15,000.00
Drusilla Rennekamp Goll Business Scholarship Fund (Scholarships)	\$	15,000.00
The John Wilson Black Lectures in Speech- Language-Hearing Science Fund (Support lecture series on topics related to speech and hearing science and communicative disorders)	\$	5,990.00
The Ohio Sea Grant Advisory Service Endowment (Support worthy projects enhancing the benefits to the public and to the Uni- versity of the Ohio Sea Grant Program)	\$	5,100.00
The Lok-Mayo Award for Excellence in Pharmacy (Support a Kappa Psi Fraternity active member, who has contributed to the College of Pharmacy)	\$	5,000.00

Change of Name and Description of Named Fund

From: The M. S. Newman Fund
To: The M. S. Newman Professorship

SUMMARY FOR DECEMBER 1986

Source	No. of Projects	Support Level
The Ohio State University Research Foundation	96	\$13,645,498.25
Engineering Experiment Station	20	\$ 593,952.00
Total	116	\$14,239,450.25

February 5 and 6, 1987 meeting, Board of Trustees

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

SUMMARY FOR DECEMBER 1986 (contd)

The Ohio State University Development Fund

Establishment of Named Chair

The Berry Chair of New Technologies in Marketing
(College of Business)

Establishment of Named Funds

Walter A. and M. Irene Merriman Dental
Student Loan Fund
(Provide loans for students enrolled
in the College of Dentistry) \$ 123,896.44

The James J. Kreglow Agricultural
Education Scholarship Fund
(Scholarships) \$ 15,150.00

Thomas H. Mallory Orthopaedic Fund
Endowment
(Provide resources for research in
orthopaedics) \$ 15,000.00

Class of '49 Endowment for the College
of Nursing
(Provide funding for scholarships,
equipment, research or archives) \$ 5,931.66

The Frank Kinnan Scholarship in Music
(Scholarships) \$ 5,337.50

The City and Regional Planning Department
Scholarships or Awards Fund
(To fund graduate student scholarships
or awards for academic achievement) \$ 5,000.00

Defiance County 4-H Endowment Fund
(Support the Defiance County 4-H Program) \$ 5,000.00

Harrison County 4-H Endowment Fund
(Support the Harrison County 4-H Program) \$ 5,000.00

The College of Nursing Minority Scholarship
(Provide scholarships to minority students) \$ 5,000.00

Change of Name and Description of Named Fund

From: Schwartz Family Fund
To: The Schwartz Family Fund Lecture Series

THE OHIO STATE UNIVERSITY
OFFICE OF UNIVERSITY DEVELOPMENT

July-December
1985-86 compared to 1986-87

GIFT RECEIPTS BY DONOR TYPE

	Donors			Dollars		
	July through <u>1985-86</u>	July through December <u>1986-87</u>	% Change	July through <u>1985-86</u>	July through December <u>1986-87</u>	% Change
Alumni	28,784	33,495	16	\$5,469,952	\$11,416,542	109
Non-Alumni	13,621	14,659	8	3,439,296	6,421,365	87
Corporations	905	1,004	11	3,471,734	5,914,730	70
Corporate Foundations	178	188	6	832,226	1,075,585	29
Private Foundations	80	83	4	2,232,518	1,623,435	(27)
Other	<u>340</u>	<u>429</u>	25	<u>794,999</u>	<u>1,549,195</u>	95
TOTAL	43,908	49,858	14	\$16,240,725	\$28,000,852	72

*** PRELIMINARY REPORT ***

REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (cont'd)

February 5 and 6, 1987 meeting, Board of Trustees

The Ohio State University Campaign
 Progress Report
 Through December 31, 1986

February 5 and 6, 1987 meeting, Board of Trustees

REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (cont'd)

	*Campaign Expectancies	Current Year Campaign Receipts July-Dec. 86)	Previous Years' Campaign Receipts As of June 30, 1986	Total	Campaign Goal	% Achieved
Alumni	\$53,992,446	\$11,416,542	\$12,112,433	\$77,521,421	\$122,500,000	63
Friends	30,384,627	6,421,365	10,625,810	47,431,802	70,000,000	68
Corporations	11,689,100	8,539,510	15,929,855	36,158,465	122,500,000	30
Foundations	<u>2,725,000</u>	<u>1,623,435</u>	<u>3,425,615</u>	<u>7,774,050</u>	<u>35,000,000</u>	22
Univ. Dev. Totals	\$98,791,173	\$28,000,852	\$42,093,713	\$168,885,738	\$350,000,000	48
Grants Rec'd by Office of Sponsored Programs			<u>17,217,522</u>	<u>17,217,522</u>		
Grand Total	\$98,791,173	\$28,000,852	\$59,311,235	\$186,103,260	\$350,000,000	53

*Defined as pledges and deferred commitments less payments already received.

*** PRELIMINARY REPORT ***

February 5 and 6, 1987 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION

Report - November 1986

Federal Research Contracts/Grants

\$423,347.00 - National Science Foundation, Washington, D.C., Development of Survey-Qualified Global Positioning System (GPS) Capability, Institute of Polar Studies (I.M. Whillans) and Departments of Geodetic Science and Surveying and Geology and Mineralogy (K. Kubik), 1 November 1986 through 31 October 1987. (Project 765773 - New)

\$164,389.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Synthesis of Biologically Important Carbohydrates, Department of Chemistry (D. Horton), 1 December 1986 through 30 November 1987. (Project 760025 - Continuation)

\$120,000.00 - Department of the Air Force, Air Force Systems Command, Wright-Patterson Air Force Base, Ohio, Modeling Cumulative Damage Processes in Composite Laminates, Department of Civil Engineering (R.S. Sandhu), 1 October 1986 through 30 September 1987. (Project 764779 - Continuation)

\$118,294.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Biosynthesis of Riboflavin and Related Compounds, Department of Chemistry (H.G. Floss), 1 December 1986 through 30 November 1987. (Project 763879 - Continuation)

\$105,000.00 - Department of Agriculture, Forest Service, St. Paul, Minnesota, High Temperature Wear Mechanisms of Tool Materials in Wood Machining, Department of Metallurgical Engineering (R.A. Rapp), 20 November 1986 through 30 September 1988. (Project 765796 - New)

\$82,681.00 - Department of Transportation, National Highway Traffic Safety Administration, East Liberty, Ohio, Free Flight Composite Head Development, Department of Mechanical Engineering (J.A. Collins), 1 October 1986 through 30 September 1987. (Project 765776 - New)

\$72,125.00 - National Aeronautics and Space Administration, Langley Research Center, Cleveland, Ohio, Study of Powder Agglomeration in a Microgravity Experiment, Department of Ceramic Engineering (J.D. Cawley), 25 November 1986 through 24 November 1987. (Project 765777 - New)

\$70,000.00 - National Science Foundation, Washington, D.C., The Role of Calcium in Root Growth and Gravitropism, Department of Botany (M.L. Evans), 1 November 1986 through 31 October 1987. (Project 765780 - Continuation)

\$65,365.00 - National Foundation for the Arts and Humanities, National Endowment for the Humanities, Washington, D.C., Rhetoric and Public Discourse Seminar, Department of English (E.P.J. Corbett), 1 October 1986 through 30 September 1987. (Project 765786 - New)

\$61,746.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Oxidate PMN/Periodontium Interaction in Oral Disease, Diagnostic Services (S.R.

February 5 and 6, 1987 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

Mallery and C.M. Allen), and Department of Physiological Chemistry (A.J. Merola), 1 December 1986 through 30 November 1987. (Project 765142 - Continuation)

\$37,693.00 - Department of Agriculture, Animal and Plant Health, Hyattsville, Maryland, Evaluation of Economic and Epidemiologic Data from the National Animal Disease Detection System (NADDS), Department of Veterinary Preventive Medicine (G.Y. Miller and C.R. Dorn), 1 October 1986 through 30 September 1987. (Project 765325 - Continuation)

\$36,066.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, Molecular Biology of the Extremely Thermophilic Archaeobacterium, Methanothermus fervidus, Department of Microbiology (J.N. Reeve), 1 April 1987 through 30 September 1987. (Project 765291 - Continuation)

\$13,501.00 - National Aeronautics and Space Administration, Ames Research Center, Moffett Field, California, Analysis of Two Advanced Transonic Airfoils, Department of Aeronautical and Astronautical Engineering (G.M. Gregorek), 1 October 1986 through 30 November 1986. (Project 765448 - Continuation)

\$13,223.00 - International Development Cooperative Agency, Agency for International Development, Washington, D.C., U.S. AID Program Support Grant for Fiscal Year 1986-90, International Programs in Agriculture (F.J. Hitzhusen), 29 August 1986 through 30 June 1987. (Project 765750 - Continuation)

\$5,450.00 - Department of Health and Human Services, Public Health Service, Health Resources and Services Administration, Rockville, Maryland, Mental Retardation Training, Nisonger Center (G.E. Martin), 1 July 1986 through 30 June 1987. (Project 761169 - Continuation)

\$5,000.00 - Department of the Navy, David Taylor Naval Ship Research and Development Center, Bethesda, Maryland, Two Dimensional Airfoil Investigation, Department of Aeronautical and Astronautical Engineering (G.M. Gregorek), 1 October 1986 through 30 November 1986. (Project 765270 - Continuation)

\$430.00 - Department of Health and Human Services, Public Health Service, Alcohol, Drug Abuse, and Mental Health Administration, Rockville, Maryland, Personality, Psychological Stress, and Immunocompetence, Department of Medical Microbiology and Immunology (M.R. Glaser) and Department of Psychiatry (J. Kiecolt-Glaser), 1 September 1986 through 31 August 1987. (Project 764961 - Continuation)

TOTAL - FEDERAL AWARDS

\$1,394,310.00

State of Ohio Research Contracts/Grants

\$249,294.00 - State of Ohio, Bureau of Employment Services, Columbus, Ohio, Follow-Up Survey of Title IIA and Title III JTP Ohio Clients and Employers, The National Center for Research in Vocational Education (C.K. Hansen), 5 November 1986 through 4 November 1987. (Project 765772 - New)

February 5 and 6, 1987 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)

\$65,175.00 - State of Ohio, Board of Regents, Columbus, Ohio, Area Health Education Centers (Health Services Education), College of Medicine - Administration (G.L. Trzebiatowski), 1 October 1986 through 30 September 1987. (Project 765792 - Continuation)

\$5,464.00 - State of Ohio, Ohio Arts Council, Columbus, Ohio, OSU Gallery/Photography Series, College of The Arts - Administration (J.W. Green), 1 July 1986 through 30 June 1987. (Project 765789 - New)

TOTAL - STATE OF OHIO AWARDS \$ 319,933.00

Industrial Research Contracts/Grants

\$124,660.00 - CIBA-GEIGY Corporation, Summit, New Jersey, Efficacy and Tolerability of Anafranil versus Placebo in Obsessive-Compulsive Disorder, Department of Psychiatry (M.R. Mavissakalian), 1 November 1986 through 23 July 1988. (Project 765782 - New)

\$118,898.00 - American Electric Power, Lancaster, Ohio, Pre- and Post-1972 Reclamation Law Minesoils as Media for Tree Growth, Department of Forestry - OARDC (J.H. Brown and J.P. Vimmerstedt), 1 September 1986 through 1 November 1988. (Project 765784 - New)

\$25,000.00 - Schering Corporation, Kenilworth, New Jersey, A Prospective Randomized Trial of Alpha-2 versus Gamma Interferon versus a Combination of Alpha-2-IFN and Gamma IFN in Advanced Renal Cell Carcinoma, Department of Internal Medicine (J.J. Rinehart), 1 June 1986 through 31 December 1986. (Project 765787 - New)

\$12,322.00 - Norwich-Eaton Pharmaceuticals, Inc., Norwich, New York, The Neonatal Gnotobiotic Pig as a Host for a Model Campylobacter pyloridis Infection of the Upper GI Tract, Department of Veterinary Pathobiology (G.S. Krakowka), 23 June 1986 through 31 May 1987. (Project 765549 - Continuation)

\$10,280.00 - The Procter & Gamble Company, Cincinnati, Ohio, Effect of Topical Agents on Root Surface Caries in Rats, Oral Biology (S. Rosen), 1 September 1986 through 31 December 1986. (Project 765281 - Continuation)

\$7,000.00 - Bausch and Lomb, Rochester, New York, Ocular Response to Hard Gas Permeable Contact Lenses Worn Overnight for Extended Periods of Time, College of Optometry (J.T. Barr and G.J. Andrasko), 1 June 1986 through 31 May 1987. (Project 765344 - Continuation)

\$3,574.00 - Union Carbide Corporation, Bound Brook, New Jersey, Analysis and Assessment of Union Carbide's Test Certification Program, The National Center for Research in Vocational Education (C.K. Hansen), 1 November 1986 through 31 December 1986. (Project 765774 - New)

\$2,860.00 - Capital City Products, Columbus, Ohio, Structured On-The-Job Performance System (Phase 3), Department of Educational Policy and

February 5 and 6, 1987 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Industrial Research Contracts/Grants (contd)

Leadership (R.L. Jacobs), 1 May 1986 through 30 April 1987. (Project 765135 - Continuation)

TOTAL - INDUSTRIAL AWARDS \$ 304,594.00

Other Non-Federal Research Contracts/Grants

\$140,000.00 - University of Missouri, Columbia, Missouri, Electrochemical Factors in Fused Salt Enhanced Carbothermic Reduction, Department of Metallurgical Engineering (G.R. St.Pierre, R.A. Rapp, Y. Sahai and W.B. Johnson), 1 October 1986 through 30 September 1987. (Project 764365 - Continuation)

\$137,000.00 - American Cancer Society, New York, New York, Characterization of Mouse I Region Recombination Hot Spots, Department of Medical Microbiology and Immunology (W.P. Lafuse), 1 January 1987 through 31 December 1988. (Project 765788 - New)

\$81,728.00 - Indiana University, Bloomington, Indiana, Malaysia Cooperative Program, Department of Psychology (J.D. Nolan), Department of Communication (G. Berquist) and Marion Campus and Department of Psychology (D.J. Christie), 1 January 1987 through 31 December 1987. (Project 764972 - Continuation)

\$47,588.00 - Elsa U. Pardee Foundation, Midland, Michigan, Mechanisms of Leukemia-Induced Autoimmune Disease, Department of Veterinary Pathobiology (P.C. Stromberg), 1 January 1987 through 31 December 1987. (Project 765790 - New)

\$40,000.00 - Battelle Memorial Institute, Columbus, Ohio, Relation between Microstructure and Fracture Toughness in a High Toughness, Complex, Low Alloy Steel, Department of Metallurgical Engineering (J.P. Hirth), 1 June 1986 through 31 March 1987. (Project 764762 - Continuation)

\$39,110.00 - Illinois State Board of Education, Springfield, Illinois, Equal Opportunity through Vocational Education: A Model for Language Minority Females, The National Center for Research in Vocational Education (C.K. Hansen), 24 October 1986 through 30 June 1987. (Project 765781 - New)

\$29,141.00 - Helen Keller National Center for Deaf-Blind Youth and Adults, Sands Point, New York, Technical Assistance to Helen Keller National Center, Department of Human Services Education (T. Stephens), 1 October 1986 through 30 September 1987. (Project 765783 - New)

\$28,600.00 - American Honda Foundation, Torrance, California, A Study of Stress and Coping in the Process of Acculturation of Japanese Children in American Society, Department of Psychiatry (H. Koizumi), 4 November 1986 through 4 November 1988. (Project 765785 - New)

\$24,980.00 - Morris Animal Foundation, Englewood, Colorado, Serum Calcitriol in Chronic Renal Disease: Mechanisms of Dietary Control,

February 5 and 6, 1987 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)

Department of Veterinary Pathobiology (L.A. Nagode), 1 October 1986 through 30 September 1987. (Project 764422 - Continuation)

\$16,831.00 - University of Illinois at Chicago, Chicago, Illinois, Midwest Universities Consortium for International Activities, Inc., North Sumatra Project, Department of Mathematics (R.B. Brown), 16 June 1986 through 10 August 1986. (Project 765791 - New)

\$6,500.00 - American Cancer Society, Ohio Division, Inc., Cleveland, Ohio, Autologous Growth Factors of Epstein-Barr Virus Transformed Cells, Department of Medical Microbiology and Immunology (J.E. Shaw), 1 November 1986 through 31 October 1987. (Project 765775 - New)

\$5,000.00 - University of Pittsburgh, Pittsburgh, Pennsylvania, The Treatment of Primary Breast Cancer, Department of Surgery (W.B. Farrar), 1 February 1986 through 31 January 1987. (Project 763659 - Continuation)

\$4,043.00 - South Carolina Electric and Gas Company, Columbia, South Carolina, Consortium for the Development of Instructor Training Materials for the Electric Power Industry, The National Center for Research in Vocational Education (C.K. Hansen), 1 November 1986 through 28 February 1987. (Project 765778 - New)

\$3,650.00 - The Columbus Foundation, Columbus, Ohio, Alfred L. Willson Conference Planning Grant, Department of Educational Policy and Leadership (L.L. Cunningham), 1 November 1986 through 31 October 1987. (Project 765771 - Continuation)

\$932.00 - Pennsylvania State Advisory Council for Vocational Education, Harrisburg, Pennsylvania, Technical Assistance for Pennsylvania State Advisory Council for Vocational Education, The National Center for Research in Vocational Education (C.K. Hansen), 1 October 1986 through 31 December 1986. (Project 768057 - New)

TOTAL - OTHER NON-FEDERAL AWARDS \$ 605,103.00

ENGINEERING EXPERIMENT STATION

Industrial and Other Sponsored Research and Development

\$49,294.00 - from 37 sponsors of 54 development projects under the direction of three research areas.

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND

Establishment of Named Funds

The Jack L. Beal Fellowship

The Jack L. Beal Fellowship was established February 6, 1987, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from faculty, alumni, and friends of The Ohio State University College of Pharmacy.

February 5 and 6, 1987 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 Jack L. Beal Fellowship (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 shall be used for a graduate fellowship in the area of medicinal chemistry and pharmacognosy. The selection of the recipient shall be made by the faculty of the Division of Medicinal Chemistry and Pharmacognosy in cooperation with 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 Board of Trustees, with preference being given to the recommendations from the appropriate administrative official of the University who is then directly responsible for pharmacy education.

The Matthew J. Eggert Scholarship for Veterinary Medicine

The Matthew J. Eggert Scholarship for Veterinary Medicine was established February 6, 1987, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from Matthew J. Eggert, D.V.M. '33, M.S. '35, of Harrisburg, 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 and reinvest as occasion dictates.

The annual income shall be used to provide scholarship funds to students in the College of Veterinary Medicine at the junior or senior class level, who demonstrate financial need and have excellent scholarship records. Preference will be given to students who show a special interest and aptitude in veterinary pathology. Selection of the award recipients shall be made by the University Committee on Student Financial Aid in consultation with the dean of the College of Veterinary 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 the recommendations from the appropriate administrative official of the University who is then directly responsible for veterinary medicine education.

Dr. Carl F. Goll College of Medicine Scholarship Fund

The Dr. Carl F. Goll College of Medicine Scholarship Fund was established February 6, 1987, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from Dr. Carl F. Goll, M.D. '38, of Naples, Florida.

February 5 and 6, 1987 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

Establishment of Named Funds (contd)

Dr. Carl F. Goll College of Medicine 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 shall be used to provide resources for a scholarship to be awarded to an outstanding student enrolled in the College of Medicine. Awards will be made by the University Committee on Student Financial Aid in consultation 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 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 College of Medicine.

Drusilla Rennekamp Goll Business Scholarship Fund

The Drusilla Rennekamp Goll Business Scholarship Fund was established February 6, 1987, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from Drusilla Rennekamp (Mrs. Carl F.) Goll, B.S.Bus.Adm. '36, of Naples, 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 annual income shall be used to provide resources for a scholarship to be awarded to an outstanding student enrolled in the College of Business. Awards will be made by the University Committee on Student Financial Aid in consultation with the dean of the College of Business.

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 College of Business.

**The John Wilson Black Lectures in
Speech-Language-Hearing Science Fund**

The John Wilson Black Lectures in Speech-Language-Hearing Science Fund was established February 6, 1987, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from John W. Black, Professor Emeritus in the Department of Communication.

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

February 5 and 6, 1987 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 Wilson Black Lectures in
Speech-Language-Hearing Science Fund (contd)**

The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income shall be used to support a lecture series on topics related to speech and hearing science and communicative disorders. The fund will be administered by the administrative head of the Speech and Hearing Science 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 the recommendations from the appropriate administrative official of the University who is then directly responsible for the College of Social and Behavioral Sciences.

The Ohio Sea Grant Advisory Service Endowment

The Ohio Sea Grant Advisory Service Endowment was established February 6, 1987, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from committee members and supporters of the Ohio Sea Grant Program in the College of Biological Sciences.

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 shall be used to support worthy projects enhancing the benefits to the public and to the University of the Ohio Sea Grant Program. The Advisory Service Program Coordinator, in consultation with the Executive Committee of the program, will have sole authority to authorize expenditures from the Fund, as approved by the dean of the College of Biological 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 the recommendations from the appropriate administrative official of the University who is then directly responsible for the College of Biological Sciences.

The Lok-Mayo Award for Excellence in Pharmacy

The Lok-Mayo Award for Excellence in Pharmacy was established February 6, 1987, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from S. Ray Lok, B.S.Pharm. '73, to honor his parents, Fee, B.F.A. '51, and Oilene Lok of Columbus,

February 5 and 6, 1987 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 Lok-Mayo Award for Excellence in Pharmacy (contd)

Ohio; and his preceptors, James and Margaret Mayo, both B.S.Pharm. '53, 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 shall be used to support a Kappa Psi Fraternity active member, who has demonstrated scholarship and leadership, and who has contributed to The Ohio State University College of Pharmacy in a worthwhile manner.

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 pharmacy education.

Change of Name and Description of Named Fund

The M. S. Newman Professorship

The M.S. Newman Fund was established June 7, 1979, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from family, friends and colleagues of Dr. Melvin S. Newman, of Columbus, Ohio. The name and description were changed February 6, 1987.

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.

Dr. Newman, Regents Professor of Chemistry, retired after 42 years on the chemistry faculty. The M.S. Newman Professorship recognizes a faculty member in the Department of Chemistry at The Ohio State University for the demonstrated excellence and creativity in and dedication to academic endeavors, especially teaching. Appointment to the Professorship will be for five years. The selection will be made by a Chemistry Department Committee, the Chairperson of the Chemistry Department, and the Dean of the College of Mathematical and Physical Sciences.

Should the need for this Professorship 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 recommendations from the Chairperson of the Department of Chemistry.

February 5 and 6, 1987 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION

Report - December 1986

Federal Research Contracts/Grants

\$5,742,000.00 - Department of Education, Washington, D.C., The National Center for Research in Vocational Education, The National Center for Research in Vocational Education (R.D. Ryan, Jr.), 16 January 1987 through 15 January 1988. (Project 765190 - Continuation)

\$1,221,687.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, General Clinical Research Center, College of Medicine - Administration (M. Tzagournis) and Department of Internal Medicine (W.B. Malarkey), 1 December 1986 through 30 November 1987. (Project 761196 - Continuation)

\$739,771.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Otitis Media with Effusion: Human Studies, Department of Otolaryngology (D.J. Lim), 1 December 1986 through 30 November 1987. (Project 760043 - Continuation)

\$281,424.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Phase I and Clinical Pharmacokinetic Studies of Anticancer Agents, Cancer Research Center and Department of Internal Medicine (M.R. Grever) and College of Pharmacy (L. Malspeis), 1 June 1985 through 30 April 1990. (Project 764860 - Continuation)

\$235,149.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Development of Animal Models Infected with Retroviruses for Testing of Antiviral Agents, Department of Veterinary Pathobiology (L.E. Mathes, R.G. Olsen and M.J. Tarr), 16 December 1985 through 15 December 1990. (Project 765188 - Continuation)

\$174,853.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Genetic and Molecular Studies of RNA Splicing, Department of Genetics (P.S. Perlman), 1 December 1986 through 30 November 1987. (Project 763452 - Continuation)

\$170,341.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Study of Biologically Active Microbial Metabolites, Department of Chemistry (H.G. Floss), 1 December 1986 through 30 November 1987. (Project 763393 - Continuation)

\$159,564.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Interaction of DNA Topoisomerases with Chromatin, Department of Microbiology (M.T. Muller), 1 January 1987 through 31 December 1987. (Project 763392 - Continuation)

\$158,424.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, In Situ T Cell Function in Rejecting Allografts, Department of Surgery (C.G. Orosz), 1 December 1986 through 30 November 1987. (Project 764493 - 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)

\$138,700.00 - National Science Foundation, Washington, D.C., Micromechanisms of Polycrystalline Strain Propagation: Controlled Orientation and Applied Stress Fields, Department of Metallurgical Engineering (W.A.T. Clark, R.H. Wagoner and J.P. Hirth), 1 January 1987 through 31 December 1987. (Project 765832 - Continuation)

\$138,395.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Non-Nitrogen and Nitrogen Containing Dopamine Drugs, College of Pharmacy (D.D. Miller and N.J. Uretsky), 1 December 1986 through 30 November 1987. (Project 762967 - Continuation)

\$138,300.00 - Department of the Air Force, Air Force Systems Command, Bolling Air Force Base, D.C., Parallel, Real-Time Expert Systems, Department of Computer and Information Science (B. Chandrasekaran), 1 November 1986 through 31 October 1987. (Project 765808 - New)

\$126,160.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Regulation of Gene Expression in Neurospora, Department of Biochemistry (G.A. Marzluf), 1 January 1987 through 31 December 1987. (Project 760578 - Continuation)

\$122,093.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Biomimetic Metal Complexes of Macrocyclic Ligands, Department of Chemistry (D.H. Busch), 1 December 1986 through 30 November 1987. (Project 761501 - Continuation)

\$107,668.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, A Study of DNA Intercalating Aromatic Amino Azides, Department of Chemistry (M.S. Platz), 1 December 1986 through 30 November 1987. (Project 765804 - New)

\$104,268.00 - Department of the Air Force, Air Force Systems Command, Bolling Air Force Base, D.C., Strength and Structure of $GA_{1-x}In_x$ as Alloys, Department of Ceramic Engineering (K.T. Faber) and Department of Metallurgical Engineering (J.P. Hirth), 1 September 1986 through 31 August 1987. (Project 764977 - Continuation)

\$100,000.00 - Department of Energy, Argonne, Illinois, Hydrology and Geochemistry of Small Tundra Drainage Basins in Response to Active Layer Disturbance, Institute of Polar Studies and Department of Agronomy (K.R. Everett), 1 January 1987 through 31 December 1987. (Project 764231 - Continuation)

\$99,914.00 - Department of the Air Force, Air Force Systems Command, Bolling Air Force Base, D.C., Distributed Knowledge Base Systems for Diagnosis and Information Retrieval, Department of Computer and Information Science (B. Chandrasekaran), 1 December 1986 through 31 October 1987. (Project 765799 - Continuation)

\$96,598.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, Pack Cementation Coating of Ni-Base and Co-Base Alloys to Combat Low Temperature Hot Corrosion, Department of Metallurgical

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

Engineering (R.A. Rapp), 1 November 1986 through 31 October 1987.
(Project 765839 - New)

\$86,685.00 - Department of the Air Force, Air Force Systems Command, Wright-Patterson Air Force Base, Ohio, Heat Transfer and Fluid Friction on Rough Turbine Blades, Department of Mechanical Engineering (L.S. Han), 1 October 1986 through 30 September 1987. (Project 765354 - Continuation)

\$82,168.00 - National Science Foundation, Washington, D.C., Paleobotany in Antarctica: Paleozoic and Mesozoic, Department of Botany and Institute of Polar Studies (T.N. Taylor), 1 November 1986 through 31 October 1987. (Project 765819 - New)

\$81,970.00 - National Aeronautics and Space Administration, Lewis Research Center, Cleveland, Ohio, Interaction between Tollmien-Schlichting Waves and Free Stream Disturbances in Boundary-Layer Flows, Department of Aeronautical and Astronautical Engineering (R.J. Bodonyi), 1 December 1986 through 30 November 1987. (Project 765803 - New)

\$80,024.00 - 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 (M.B. Bragg and G.M. Gregorek), 1 December 1986 through 30 November 1987. (Project 762009 - Continuation)

\$60,000.00 - National Science Foundation, Washington, D.C., Mechanisms of Nucleoside Kinase Regulation, Department of Biochemistry (D. Ives), 15 January 1987 through 14 January 1988. (Project 764531 - Continuation)

\$57,251.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Multiple Hydrogen Bonding-Nucleic Acid Bases, Department of Chemistry (J. Hine and D.W. Meek), 1 December 1986 through 30 November 1987. (Project 763904 - Continuation)

\$50,000.00 - National Science Foundation, Washington, D.C., Paleozoic Fungi: Interactions with Vascular Plants, Department of Botany (T.N. Taylor), 1 February 1987 through 31 July 1988. (Project 765204 - Continuation)

\$49,895.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Hypothalamic Neuronal Sensitivity in Pregnant WKY/SHR Rats, Department of Physiology (J.A. Boulant and D. Christenson), 1 December 1986 through 30 November 1987. (Project 765130 - Continuation)

\$48,829.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Comparative Aspects of Peripheral Lung Mechanics, Department of Veterinary Physiology and Pharmacology (L.E. Olson), 1 December 1986 through 30 November 1987. (Project 765821 - New)

\$47,672.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Luteal

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

Prostaglandins in Primate Early Pregnancy, Department of Dairy Science - OARDC and Department of Dairy Science (J.S. Ottobre), 1 December 1986 through 30 November 1987. (Project 765111 - Continuation)

\$40,000.00 - Environmental Protection Agency, Washington, D.C., Regulation of Hydrogenase and Methyl Co-Enzyme M Methyl Reductase in Methanogens, Department of Microbiology (J.N. Reeve), 6 January 1987 through 5 January 1988. (Project 765152 - Continuation)

\$40,000.00 - National Aeronautics and Space Administration, Langley Research Center, Hampton, Virginia, Decentralized Control and Identification Experiment for the NASA Langley Research Center SCOLE (Space Control Laboratory Experiment Program), Department of Electrical Engineering (U. Ozguner and S. Yurkovich), 1 January 1987 through 30 September 1987. (Project 765807 - Continuation)

\$32,611.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Cancer Education Program, Department of Surgery (W.B. Farrar) and College of Medicine - Administration (C.B. Meleca), 1 January 1987 through 31 December 1987. (Project 761412 - Continuation)

\$32,410.00 - Department of Agriculture, Forest Service, Hamden, Connecticut, Genetic Mosaics and Their Relationship to Patterns of Susceptibility to Insects and Diseases, Department of Forestry - OARDC (D.B. Houston), 30 September 1986 through 29 September 1989. (Project 765830 - New)

\$27,901.00 - Department of the Air Force, Air Force Systems Command, Wright-Patterson Air Force Base, Ohio, Optical Scattering Studies, Department of Electrical Engineering, ElectroScience Laboratory (S.A. Collins, Jr.), 1 October 1986 through 30 June 1987. (Project 764394 - Continuation)

\$25,000.00 - Department of the Air Force, Air Force Systems Command, Hanscom Air Force Base, Massachusetts, Spectroscopy of Molecular Ions and Their Clusters, Department of Chemistry (T.A. Miller), 1 October 1986 through 30 September 1987. (Project 765285 - Continuation)

\$25,000.00 - Department of the Army, Army Materiel Development Readiness Command, Dover, New Jersey, Synthesis of Polynitro Cage Molecules, Department of Chemistry (L.A. Paquette), 7 May 1986 through 30 January 1987. (Project 765379 - Continuation)

\$25,000.00 - National Aeronautics and Space Administration, Lewis Research Center, Cleveland, Ohio, Experimental Study of Organized Structures in a Supersonic Shear Layer, Department of Mechanical Engineering (M. Samimy), 1 December 1986 through 30 November 1987. (Project 765794 - New)

\$24,775.00 - Department of Commerce, National Oceanic and Atmospheric Administration, Rockville, Maryland, Line Generalization in Bathymetric Mapping, Department of Geodetic Science and Surveying (K. Kubik), 15 December 1986 through 14 December 1987. (Project 765816 - 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)

\$17,684.00 - National Science Foundation, Washington, D.C., The Role of Idealizations and Approximations in Science and Engineering, Department of Philosophy (R.E. Laymon), 1 July 1987 through 30 November 1989. (Project 765810 - New)

\$10,885.00 - National Science Foundation, Washington, D.C., A Commodity Flow Alternative to Measuring Corporate Dominance, Department of Geography (R.W. Jackson), 16 June 1986 through 31 July 1987. (Project 765497 - Continuation)

\$10,000.00 - Department of the Air Force, Air Force Systems Command, Wright-Patterson Air Force Base, Ohio, Antenna Studies, Department of Electrical Engineering, ElectroScience Laboratory (B.A. Munk), 1 October 1986 through 31 March 1987. (Project 764396 - Continuation)

\$801.00 - National Aeronautics and Space Administration, Marshall Space Flight Center, Marshall Space Flight Center, Alabama, Follow-up Support, Maintenance and Refinement for the MSFC Coaxial Welding Vision System, Department of Welding Engineering (R.W. Richardson), 1 November 1986 through 31 December 1986. (Project 763891 - Continuation)

Computer Time - National Science Foundation, Washington, D.C., Vibration Transmission Characteristics of Frictional Soil-Structure Interfaces Subjected to Impulsive Loading, Department of Engineering Mechanics (D.A. Mendelsohn), 15 December 1986 through 15 December 1987. (Project 764712 - Continuation) (Approximate Dollar Value - \$14,000)

Equipment - Department of Energy, Idaho Falls, Idaho, Energy-Related Laboratory Equipment, Engineering Experiment Station (J.W. Talnagi), 17 November 1986 through 31 January 1987. (Project 765818 - New) (Approximate Dollar Value - \$4,998)

TOTAL - FEDERAL AWARDS \$11,011,870.00

State of Ohio Research Contracts/Grants

\$140,471.00 - State of Ohio, Department of Health, Columbus, Ohio, OSU High Risk Perinatal Project - Care of the High Risk Mother and Infant, Department of Pediatrics (L. Cordero), 1 October 1986 through 30 September 1987. (Project 765042 - Continuation)

\$100,000.00 - State of Ohio, Department of Development, Columbus, Ohio, Center for Commercial Development of Space Market Drive Research and Development-Pooled Account, Department of Geodetic Science and Surveying (I.I. Mueller), Office of Research and Graduate Studies (T.L. Sweeney) and Center for Mapping (J.D. Bossler), 1 November 1986 through 30 June 1987. (Project 765835 - New)

\$50,000.00 - State of Ohio, Department of Education, Columbus, Ohio, Evaluation of the Ohio Education Coordination and Grants Program Funded by the Job Training Partnership Act, The National Center for Research in Vocational Education (R.D. Ryan, Jr.), 1 January 1987 through 30 June 1987. (Project 765824 - 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)

\$48,000.00 - State of Ohio, Department of Commerce, Columbus, Ohio, Center for Real Estate Education and Research, College of Business - Administration (R.L. Racster), 1 January 1987 through 31 December 1987. (Project 765837 - Continuation)

\$18,000.00 - State of Ohio, Department of Health, Columbus, Ohio, Impact of Rape Education Strategies on College Students, Center for Women's Studies (M.M. Fonow) and Department of Sociology (L.W. Richardson), 1 October 1986 through 30 September 1987. (Project 765817 - New)

TOTAL - STATE OF OHIO AWARDS \$ 356,471.00

Industrial Research Contracts/Grants

\$186,300.00 - Martin Marietta Energy Systems, Inc., Oak Ridge, Tennessee, Adaptive Welding Control System, Department of Welding Engineering (R.W. Richardson), 27 August 1986 through 29 February 1988. (Project 765673 - New)

\$130,000.00 - Pfizer, Inc., Groton, Connecticut, Clinical Pharmacology Research Unit, Department of Pharmacology (N. Gerber), 1 October 1986 through 30 September 1987. (Project 760484 - Continuation)

\$84,600.00 - G.D. Searle & Co., Skokie, Illinois, Milacemide Multicenter Dose Response Study, Department of Neurology (M.E. Drake, Jr.), 1 December 1986 through 30 November 1987. (Project 765822 - New)

\$69,902.00 - Pfizer, Inc., Groton, Connecticut, Phase I Double-Blind, Placebo-Controlled Escalating Single Dose Pharmacokinetic and Toleration Study of Oral CP-66,948 in Normal Volunteers, Department of Pharmacology (N. Gerber), 1 October 1986 through 30 September 1987. (Project 765696 - Continuation)

\$69,623.00 - Tektronix, Inc., Vancouver, Washington, Assisting Tektronix, Inc., in Marketing to Postsecondary Institutions, The National Center for Research in Vocational Education (R.D. Ryan, Jr.), 1 December 1986 through 31 March 1987. (Project 765831 - New)

\$60,400.00 - Photomedica, Inc., Raritan, New Jersey, A Multicenter Comparative Study of the Safety and Efficacy of Photodynamic Therapy Utilizing Photofrin II versus Carbon Dioxide Laser Excision of Superficial Carcinoma of the Oral Mucosa, Department of Otolaryngology (D.E. Schuller), 1 October 1986 through 30 September 1988. (Project 765823 - New)

\$60,316.62 - E.I. duPont de Nemours, Wilmington, Delaware, Leukocyte Activated Killer (LAK) Cell Adoptive Transfer: A Proposal to Develop Optimal Induction of Guinea Pig and Human LAK Cell Activity in Vitro and to Test LAK Adoptive Transfer Therapy in a Guinea Pig Tumor Model, Department of Internal Medicine (J.J. Rinehart), 1 July 1986 through 12 February 1987. (Project 764609 - Continuation)

\$49,779.00 - Pfizer, Inc., Groton, Connecticut, Phase I Proportionality Study of 50 mg, 100 mg and 200 mg of the Commercial 50 mg Preparation of

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Industrial Research Contracts/Grants (contd)

Sertraline, Department of Pharmacology (N. Gerber), 1 October 1986 through 30 September 1987. (Project 765696 - Continuation)

\$48,352.00 - Ross Laboratories, Columbus, Ohio, Influence of Antibody X on the Colonization of the Chinchilla Nasopharynx with Streptococcus pneumoniae, Department of Otolaryngology (D. J. Lim), 1 November 1986 through 31 October 1987. (Project 765809 - New)

\$41,392.00 - Astra Lakemedel AB, Sodertalje, Sweden, Novel Drug Delivery Systems, College of Pharmacy (S. Frank), 1 January 1987 through 31 December 1987. (Project 762165 - Continuation)

\$26,270.00 - Triton BioSciences, Inc., Alameda, California, A Multicenter Open-Label Phase II Study to Evaluate the Safety and Efficacy of Escalating Doses of IFN- β ser in Intravenously in Patients with Advanced Renal Cell Carcinoma, Melanoma, or Non-Small Cell Lung Cancer, Department of Internal Medicine (J.J. Rinehart), 1 October 1986 through 30 September 1987. (Project 765800 - New)

\$24,931.00 - Sandia National Laboratories, Albuquerque, New Mexico, Determination of the Factors Controlling Hydrogen Absorption into Metals, Department of Metallurgical Engineering (B.E. Wilde), 1 September 1986 through 31 August 1987. (Project 765752 - Continuation)

\$24,931.00 - Sandia National Laboratories, Albuquerque, New Mexico, Development of Novel Protective Coatings for Steel, Department of Metallurgical Engineering (B.E. Wilde), 1 September 1986 through 31 August 1987. (Project 765753 - Continuation)

\$21,763.00 - Pfizer, Inc., Groton, Connecticut, Double-Blind Placebo-Controlled Ninety Day Toleration Study of CP-54,802, Department of Pharmacology (N. Gerber), 1 October 1985 through 31 October 1986. (Project 765696 - Continuation)

\$16,401.00 - Pfizer, Inc., Groton, Connecticut, Phase I Single-dose Bioequivalency Study of Sulbactam Sodium/Ampicillin Administered Intravenously to Normal Volunteers, Department of Pharmacology (N. Gerber), 1 October 1986 through 30 September 1987. (Project 765696 - Continuation)

\$13,129.00 - The Quaker Oats Company, Barrington, Illinois, A High Carbohydrate Diet during Intensive Physical Training: Effects on the Quality of Training Performance, School of Health, Physical Education and Recreation (D.R. Lamb), 17 November 1986 through 30 April 1987. (Project 765814 - New)

\$7,235.80 - A.H. Robins Company, Richmond, Virginia, Efficacy of AHR-5333B in Treating and/or Inhibiting Clinical Signs of Canine Atopy, Department of Veterinary Clinical Sciences (K.W. Kwochka), 1 December 1986 through 30 June 1987. (Project 765829 - New)

\$6,840.00 - Empire Chestnut Company, Carrollton, Ohio, Facilitated Harvesting of Chestnuts, Department of Horticulture - OARDC and

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THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Industrial Research Contracts/Grants (contd)

Department of Horticulture (J.P. Dalmasso), 15 September 1986 through 31 March 1987. (Project 765813 - New)

\$4,728.83 - Boeing Company, Seattle, Washington, Compact Range Performance Analysis, Department of Electrical Engineering, ElectroScience Laboratory (J.D. Young), 1 June 1986 through 31 December 1986. (Project 765397 - Continuation)

TOTAL - INDUSTRIAL AWARDS \$ 946,894.25

Other Non-Federal Research Contracts/Grants

\$435,815.00 - University of Cincinnati, Cincinnati, Ohio, Area Health Education Center Program, College of Medicine - Administration (G.L. Trzebiatowski), 1 October 1986 through 30 September 1987. (Project 765686 - Continuation)

\$413,619.00 - University of Pennsylvania, Philadelphia, Pennsylvania, Conducting Electronic Polymers by Non-Redox Processes Synthesis, Physical Studies and Application, Department of Physics (A.J. Epstein), 15 September 1986 through 28 February 1987. (Project 765670 - New)

\$128,156.00 - The Children's Hospital, Boston, Massachusetts, Analysis of Normal and Abnormal Gait and Standing Posture in Children and Adults, Department of Surgery (S.R. Simon), 1 May 1986 through 31 January 1987. (Project 765815 - New)

\$39,336.00 - Battelle Memorial Institute, Richland, Washington, Modification of Hafnium Carbide (HfC) for Enhanced Oxidation Resistance through Additions of Praseodymium (Pr) and Tantalum (Ta), Department of Metallurgical Engineering (R.A. Rapp and G.R. St. Pierre), 14 September 1986 through 14 November 1987. (Project 765700 - New)

\$38,573.00 - South Dakota Council on Vocational Education, Pierre, South Dakota, Business Perceptions of Vocational Education, The National Center for Research in Vocational Education (C.K. Hansen), 7 November 1986 through 12 June 1987. (Project 765798 - New)

\$33,357.00 - International Studies Association, Columbia, South Carolina, Assistance in Disseminating Learning Resources on Global Education and Teacher Training, Mershon Center for Education and Department of Political Science (J.E. Harf), 1 July 1986 through 30 June 1987. (Project 764287 - Continuation)

\$30,000.00 - University of Pennsylvania, Philadelphia, Pennsylvania, Phytopathological Influences Involved in the Decline of Red Spruce and Balsam Fir in New York, Laboratory for Environmental Science - OARDC (T.C. Weidensaul), 1 June 1986 through 31 May 1987. (Project 765806 - New)

\$24,368.00 - American Congress on Surveying and Mapping, Falls Church, Virginia, National Committee for Digital Cartographic Data Standards, Department of Geography (H. Moellering), 1 October 1986 through 31 March 1987. (Project 764886 - Continuation)

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THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Other Non-Federal Research Contracts/Grants (contd)

\$23,858.00 - University of Arkansas, Fayetteville, Arkansas, Consortium for the Development of Professional Materials for Vocational Education, The National Center for Research in Vocational Education (R.D. Ryan, Jr.), 24 November 1986 through 30 June 1987. (Project 765826 - Continuation)

\$18,800.00 - The Columbus Foundation, Columbus, Ohio, Electronic Access to the Visual Arts: The Wexner Center's Art of the 70's Videodisc, Department of Communication (S.R. Acker) and College of The Arts - Administration (J.W. Green), 1 January 1987 through 31 December 1987. (Project 765795 - New)

\$15,000.00 - Parenteral Drug Foundation, Garden City, New York, Drug Entrapment within Natural Polymeric Systems: Albumin and Fibrin, College of Pharmacy (T.D. Sokoloski), 1 December 1986 through 30 November 1987. (Project 765825 - Continuation)

\$14,742.00 - Elsa U. Pardee Foundation, Midland, Michigan, Intravesical Chemotherapy for Bladder Cancer, College of Pharmacy (J.L.S. Au), 1 January 1987 through 31 December 1987. (Project 765834 - New)

\$13,920.00 - University of Chicago, Chicago, Illinois, Functions and Statistics with Computers, Department of Mathematics (J.E. Schultz), 1 July 1986 through 31 December 1986. (Project 765579 - Continuation)

\$13,340.00 - University of Virginia, Charlottesville, Virginia, Nuclear Reactor Operator Training for Disadvantaged Americans, Department of Mechanical Engineering (B.K. Hajek) and Engineering Experiment Station (R.D. Myser), 1 September 1986 through 31 August 1987. (Project 765797 - New)

\$12,500.00 - Deafness Research Foundation, New York, New York, Role of Fimbriae in the Adherence of Non-Typeable Hemophilus influenzae to Nasopharyngeal and Middle Ear Mucosa, Department of Otolaryngology (L.O. Bakaletz), 1 January 1987 through 31 December 1987. (Project 765827 - New)

\$10,600.00 - Ohio River Basin Consortium, Columbus, Ohio, Ohio River Basin Agreement, School of Natural Resources (C.B. Davis), 1 July 1986 through 30 June 1987. (Project 765812 - Continuation)

\$10,000.00 - Walla Walla Community College, Walla Walla, Washington; Triton College, River Grove, Illinois; Durham Technical Institute, Durham, North Carolina; Utah Technical College at Provo, Provo, Utah; and Community College of Rhode Island, Warwick, Rhode Island, National Postsecondary Alliance, The National Center for Research in Vocational Education (R.D. Ryan, Jr.), 1 July 1986 through 30 June 1987. (Project 765434 - Continuation)

\$8,550.00 - American Heart Association, Central Ohio Heart Chapter Inc., Columbus, Ohio, Pulmonary and Hemodynamic Performance in Apneic Oxygenation, School of Allied Medical Professions (P.D. Beckley), 1 January 1987 through 31 December 1987. (Project 765820 - New)

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THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Other Non-Federal Research Contracts/Grants (contd)

\$8,086.00 - Virginia Power, Richmond, Virginia, and The Cleveland Electric Illuminating Co., Cleveland, Ohio, Consortium for the Development of Instructor Training Materials for the Electric Power Industry, The National Center for Research in Vocational Education (R.D. Ryan, Jr.), 1 November 1986 through 28 February 1987. (Project 765778 - Continuation)

\$7,760.00 - City of Gatlinburg, Gatlinburg, Tennessee, The Development of Man and the Biosphere Educational Modules for K-8 Science and Social Studies Classes in Gatlinburg, Tennessee, Department of Natural Resources - OARDC and School of Natural Resources (G.W. Mullins), 1 October 1986 through 30 June 1987. (Project 765801 - New)

\$7,500.00 - Lilly Endowment, Inc., Indianapolis, Indiana, Establishing a National Cooperative on the Education and Employment of Teaching Assistants, Center for Teaching Excellence (A.S. Pruitt), 1 October 1986 through 31 December 1986. (Project 765793 - New)

\$6,095.00 - Franklin County Board of Mental Retardation and Developmental Disabilities, Columbus, Ohio, Early Childhood Referral Network, Nisonger Center (V.L. Reynolds), 1 November 1986 through 31 October 1987. (Project 765811 - Continuation)

\$5,288.00 - Cancer Therapy and Research Center, San Antonio, Texas, Central Office for the Developmental Biologicals Committee Activities of the Community Clinical Oncology Programs, Department of Internal Medicine (J.J. Rinehart), 1 September 1986 through 31 May 1987. (Project 765841 - New)

\$3,000.00 - Idaho State Board of Vocational Education, Boise, Idaho, and Institute for Enterprise Advancement, Washington, D.C., National Entrepreneurship Education Consortium, The National Center for Research in Vocational Education (R.D. Ryan, Jr.), 1 July 1986 through 30 June 1987. (Project 765533 - Continuation)

\$3,000.00 - Ohio River Basin Consortium, Columbus, Ohio, Ohio River Basin Consortium Agreement, School of Natural Resources (C.B. Davis), 1 March 1986 through 30 June 1986. (Project 765812 - New)

\$2,000.00 - North Carolina State Board of Education, Raleigh, North Carolina, National Entrepreneurship Education Consortium, The National Center for Research in Vocational Education (C.K. Hansen), 1 July 1986 through 30 June 1987. (Project 765533 - Continuation)

\$2,000.00 - Ohio Dairy Goat Association, Marion, Ohio, Mastitis in Goats: A Comparison of Milk Somatic Cell Counts and Milk Microbiology, Department of Veterinary Preventive Medicine (L. Heider), 1 December 1986 through 30 November 1987. (Project 765833 - New)

\$1,000.00 - The Columbus Jewish Foundation, Columbus, Ohio, Elegies: Sleep-Napalm-Night Sky, College of The Arts - Administration (J.W. Green), 1 July 1986 through 30 June 1987. (Project 765805 - New)

TOTAL - OTHER NON-FEDERAL AWARDS

\$ 1,330,263.00

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

ENGINEERING EXPERIMENT STATION

State Sponsored Research and Development

\$115,000.00 - The Ohio Industrial Commission, Columbus, Ohio, "Evaluation of the Motion Component in Manual Lifting, Stage 2," Department of Industrial and Systems Engineering, 1 January 1987 through 31 December 1987. (529720)

Industrial and Other Sponsored Research and Development

\$112,500.00 - from various industry for membership in "The Engineering Research Center on Net-Shape Manufacturing," Engineering Experiment Station. (529200)

\$99,000.00 - General Electric Company, Cincinnati, Ohio, "Gas Turbine Air Intake/Exhaust Test for the DDG-51 Main Propulsion Gas Turbine Modules," Department of Aeronautical and Astronautical Engineering, 1 December 1986 through 31 May 1987. (312895)

\$75,200.00 - General Electric Company, Cincinnati, Ohio, "Fabrication and Testing of Specific Configurations of a Simulator of the Unducted Fan Engine, GE36," Department of Aeronautical and Astronautical Engineering, 15 December 1986 through 30 June 1987. (312897)

\$51,218.00 - Additional funding from Sperry Corporation, Reston, Virginia, "Research on Radar Signal Processing for Aircraft Identification," Department of Electrical Engineering, 1 January 1986 through 14 January 1987. (529699, Ext. 1)

\$50,000.00 - Columbia Gas Service Corp., Columbus, Ohio, "Process Development of a Lime Regeneration Process Using Natural Gas," Department of Chemical Engineering, 1 November 1986 through 31 December 1987. (312892)

\$25,968.00 - Additional funding from General Electric Company, Schenectady, New York, "Ultrahigh Temperature Composite Materials," Department of Ceramic Engineering, 11 August 1986 through 30 June 1987. (312886, Ext. 1)

\$21,750.00 - Additional funding from General Electric Aircraft Engine Business Group, Cincinnati, Ohio, "Mechanisms of Particulate Inhibitor Oxidation Resistance in Carbon-Carbon Composites," Department of Ceramic Engineering, 1 June 1986 through 30 April 1987. (529708, Ext. 1)

\$13,000.00 - General Electric, Cincinnati, Ohio, "Fabrication and Checkout of the 1/12 Scale Model Ejector-Powered Simulator," Department of Aeronautical and Astronautical Engineering, 20 August 1986 through 31 December 1986. (312885)

\$9,900.00 - General Electric Company, Cincinnati, Ohio, "Testing of the CF6-80C2 Engine Simulator in a Model Test Cell," Department of Aeronautical and Astronautical Engineering, 1 December 1986 through 30 June 1987. (312896)

\$8,266.00 - from 5 sponsors of 8 development projects under the direction of two department/research areas.

February 5 and 6, 1987 meeting, Board of Trustees

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

ENGINEERING EXPERIMENT STATION (contd)

Industrial and Other Sponsored Research and Development (contd)

\$7,160.00 - Owens Corning Fiberglas, Inc., Granville, Ohio, "Mass Spectrometric Study of Glass Melt Vaporization," Department of Ceramic Engineering, 15 October 1986 through 15 March 1987. (312893)

\$4,990.00 - Battelle, Columbus, Ohio, and GRI, Chicago, Illinois, "Heat Exchanger and Cycle Analysis for an Internal Combustion Engine Heat Pump," Department of Mechanical Engineering, 1 September 1986 through 31 December 1986. (312891)

TOTAL - INDUSTRIAL AND OTHER SPONSORED RESEARCH \$ 478,952.00

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND

Establishment of Named Chair

The Berry Chair of New Technologies in Marketing

The Berry Chair of New Technologies in Marketing was established February 6, 1987, by the Board of Trustees of The Ohio State University with support from The Ohio State University Foundation, which has established an endowed fund with gifts from L.M. Berry and Company of Dayton, Ohio.

Income provided by the Foundation shall be used to support the Berry Chair. The Chair shall be established to advance marketing and related technologies in the College of Business, Academic Faculty of Marketing, at The Ohio State University. Appointment to the Berry Chair will be recommended by the Dean of the College of Business to the Provost and approved by The Ohio State University Board of Trustees.

The individual appointed to this Chair should have a record of significant achievements in marketing and related technologies; personal qualities that enable the individual to inspire, instruct and motivate students toward innovative and productive careers in marketing and related technologies; demonstrated research capabilities; and the ability to work effectively with the professional community, industry and government.

The occupant of this Chair will be charged with the responsibility to develop and teach courses to prepare students for careers in the field of marketing and related new technologies; and to initiate and direct a program of research and development in the field.

Establishment of Named Funds

Walter A. and M. Irene Merriman Dental Student Loan Fund

The Walter A. and M. Irene Merriman Dental Student Loan Fund was established February 6, 1987, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from the estate of M. Irene Merriman in memory of her husband, Dr. Walter A. Merriman, D.D.S. '30.

February 5 and 6, 1987 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

Establishment of Named Funds (contd)

Walter A. and M. Irene Merriman Dental Student Loan 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 shall be used to provide loans for students enrolled in the College of Dentistry at The Ohio State University. Awards will be made by the University Committee on Student Financial Aid in coordination and consultation with the dean 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 the recommendations from the appropriate administrative official of the University who is then directly responsible for the College of Dentistry.

The James J. Kreglow Agricultural Education Scholarship Fund

The James J. Kreglow Agricultural Education Scholarship Fund was established February 6, 1987, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from James A. Kreglow, B.S.Agr. '51, in honor of his father, James J. Kreglow, B.S.Agr. '27, teacher of vocational agriculture for 37 years in the State of 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.

Annual income shall be used to fund one or more undergraduate scholarships in the College of Agriculture with preference given to the students majoring in Agricultural Education. Selection criteria for the scholarship shall include academic achievement and/or financial need. The scholarship recipient shall be selected by the Chairperson of the Department of Agricultural Education and the assistant dean for student affairs in the College of Agriculture in consultation with 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 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 College of Agriculture.

Thomas H. Mallory Orthopaedic Fund Endowment

The Thomas H. Mallory Orthopaedic Fund Endowment was established February 6, 1987, by the Board of Trustees of The Ohio State University with gifts

February 5 and 6, 1987 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

Establishment of Named Funds (contd)

Thomas H. Mallory Orthopaedic Fund Endowment (contd)

to The Ohio State University Development Fund from Thomas H. Mallory, M.D. '65, 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 shall be used to provide resources for research in orthopaedics, specifically the biological facets of disease and injury such as genetics and bone morphogenesis, and to promote cross-disciplinary approaches to create new treatment methods. Should the fund in the future reach \$1,250,000, a chair would be established and be named the THOMAS H. MALLORY CHAIR IN ORTHOPAEDIC RESEARCH/SURGERY.

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 College of Medicine.

Class of '49 Endowment for the College of Nursing

The Class of '49 Endowment for the College of Nursing was established February 6, 1987, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from the College of Nursing Class of 1949. The Class of '49 gift was spearheaded by the efforts of Marie Sinsabaugh, Class President.

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 shall be used to provide funding for scholarships, equipment, research, or archives, based on the College's need as determined by the dean of the College of Nursing in conjunction with the appropriate committee (Scholarship Committee, Committee for Research, etc.) with the advice and counsel of the College fiscal officer.

As each award is made from the Class of '49 Endowment Fund, the Class of '49 will be notified of the decision through the class agent, Marie Sinsabaugh.

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 College of Nursing.

February 5 and 6, 1987 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 Kinnan Scholarship in Music

The Frank Kinnan Scholarship in Music was established February 6, 1987, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from family and friends of Frank Kinnan, B.S.Ed. '51.

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 shall be awarded to one or more outstanding students in the School of Music who anticipate careers as public school music teachers and who play a woodwind as their major instrument.

Recipients will be selected by the established procedures within the School of Music, with final approval by the director of the School of Music and the dean of the College of The Arts in cooperation with 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 Board of Trustees, with preference being given to the recommendations from the appropriate administrative official of the University who is then directly responsible for academic programs in the School of Music.

**The City and Regional Planning Department
Scholarships or Awards Fund**

The City and Regional Planning Department Scholarships or Awards Fund was established February 6, 1987, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from faculty, staff, and friends of the Department of City and Regional Planning.

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 shall be used to fund graduate student scholarships, or awards for academic achievement in the field of city and regional planning. The scholarships and awards will be given by determination of a committee of faculty of the Department of City and Regional Planning, as appointed by the chairperson of that department, in consultation with 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 Board of Trustees, with preference being given to the recommendations from the appropriate administrative official of the

February 5 and 6, 1987 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 City and Regional Planning Department
Scholarships or Awards Fund (contd)

University who is then directly responsible for city and regional planning education.

Defiance County 4-H Endowment Fund

The Defiance County 4-H Endowment Fund was established February 6, 1987, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from the Defiance County 4-H Committee and other friends of the Defiance County 4-H 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 annual income from this fund shall be used to support the County 4-H Program. This support may include, but is not limited to, the funding of scholarships and awards for 4-H members, volunteer leaders and friends of 4-H; sponsoring seminars and programs; and purchasing material or services that will supplement 4-H programming or increase the visibility and public support for 4-H in Defiance County. All expenditures from this fund shall be approved by the Defiance County 4-H 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 the Ohio Cooperative Extension Service in consultation with a committee representing the local 4-H donors.

Harrison County 4-H Endowment Fund

The Harrison County 4-H Endowment Fund was established February 6, 1987, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from Mrs. Merret Culbertson in honor of her late husband, Hugh W. Culbertson.

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 support any or all Harrison County 4-H Programs in a way that will directly benefit both male and female 4-H members. The income from this fund may be used to purchase teaching materials or to sponsor awards or other activities that will promote good citizenship and outstanding community service among Harrison County 4-H members.

February 5 and 6, 1987 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

Establishment of Named Funds (contd)

Harrison County 4-H Endowment 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 4-H Program in Harrison County.

The College of Nursing Minority Scholarship

The College of Nursing Minority Scholarship was established February 6, 1987, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from Ethelrine Shaw Nickerson, and other alumni/friends of the College of Nursing.

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 shall be used to provide one or more scholarships to minority students enrolled in the College of Nursing who have demonstrated academic ability, the need for financial aid and concern about minority issues; and are highly motivated. Students who have been unable to secure financial aid through other means should be given the highest priority. If there are no applicants, the fund may be used for recruitment of minority students.

The award will be administered by the College of Nursing Scholarship Committee with recommendations by Elsie Williams Wilson and Ethelrine Shaw Nickerson and the Dean of the College in cooperation with 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 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 College of Nursing.

Change of Name and Description of Named Fund

The Schwartz Family Fund Lecture Series

The Schwartz Family Fund was established May 6, 1977, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from Stanley Schwartz, Sr., Certificate of Law '14; Stanley Schwartz, Jr., B.A. '42, J.D. '47; Miriam Schwartz, B.S. '44, M.A. '67, Ph.D. '79; and Robert S. Schwartz, J.D. '75; and other family members and friends. The name and description were changed February 6, 1987.

February 5 and 6, 1987 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)

The Schwartz Family Fund Lecture Series (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 shall be used to assist the College of Law in sponsoring an annual series of lectures by distinguished visitors to 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 the recommendations from the appropriate administrative official of the University who is then directly responsible for legal education.

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**EMPLOYMENT OF ARCHITECT/ENGINEER AND
REQUEST FOR CONSTRUCTION BIDS
CENTRAL SERVICE BUILDING RENOVATION - PHASES I AND II**

Resolution No. 87-81

Synopsis: Authorization to employ an architectural/engineering firm and request construction bids is proposed.

WHEREAS when the new Stores and Receiving Building is completed, the present facility, known as the Central Service Building, located at 2009 Millikin Road, will become vacant; and

WHEREAS this project will provide a major upgrading of the Central Service Building and utility systems; and

WHEREAS this renovation will be accomplished in two phases: Phase I will renovate the first and second floors to provide general classroom space and renovate the third floor to provide space for the University Architect's Office. Phase II will renovate the basement and ground floor and provide utility services to house the University Bookstores operations; and

WHEREAS the firm of McDonald, Cassell & Bassett has completed feasibility planning for these renovations and schematic design for the Bookstores; and

WHEREAS \$1,325,000.00 will be made available from University funds for Phase I of this project, with funding yet to be determined for Phase II:

NOW THEREFORE

BE IT RESOLVED, That the President and/or Vice President for Business and Administration be authorized in accordance with established University

February 5 and 6, 1987 meeting, Board of Trustees

**EMPLOYMENT OF ARCHITECT/ENGINEER AND
REQUEST FOR CONSTRUCTION BIDS
CENTRAL SERVICE BUILDING RENOVATION - PHASES I AND II (contd)**

procedures, to employ McDonald, Cassell & Bassett to complete the design for Phases I and II; to request construction bids for Phase I; to request construction bids for Phase II at such time as funding becomes available; and for Phases I and II, if satisfactory bids are received, to award the necessary contracts, with all actions to be reported to this Board at the appropriate time.

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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**EMPLOYMENT OF ARCHITECT/ENGINEER AND
REQUEST FOR CONSTRUCTION BIDS
FACULTY CLUB IMPROVEMENTS**

Resolution No. 87-82

Synopsis: Authorization to employ an architectural/engineering firm and request construction bids is proposed.

WHEREAS this project will provide for the renovation and improvement of selected areas in and around the Faculty Club, modification of interior space arrangements to comply with appropriate building code requirements, modification of existing trash handling facilities and loading dock arrangements to improve operations, and improvement of existing kitchen layout arrangements to provide more efficient operation; and

WHEREAS the firm of Withers Associates, Inc., has completed a Master Plan Study and remodeling feasibility study for these renovations; and

WHEREAS \$1,500,000.00 will be made available from University funds for this project, of which \$1,200,000.00 is estimated for construction:

NOW THEREFORE

BE IT RESOLVED, That the President and/or Vice President for Business and Administration be authorized, in accordance with established University procedures, to employ Withers Associates, Inc., for this project, to request construction bids on this project, and if satisfactory bids are received, to award the necessary contracts, with all actions to be reported to this Board at the appropriate time.

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

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**PURCHASE OF REAL PROPERTY
124 WEST TENTH AVENUE
COLUMBUS, OHIO**

Resolution No. 87-83

Synopsis: Purchase of real property at 124 West Tenth Avenue in Columbus, Ohio, is proposed.

February 5 and 6, 1987 meeting, Board of Trustees

**PURCHASE OF REAL PROPERTY
124 WEST TENTH AVENUE
COLUMBUS, OHIO (contd)**

WHEREAS The Ohio State University has been presented with an opportunity to purchase the property located at 124 West Tenth Avenue in Columbus, Ohio; and

WHEREAS this property has an appraised value of \$65,000.00, and the owner, Mr. Thomas Graham of Columbus, Ohio, has offered to sell the property to the University at a price of \$65,000.00; and

WHEREAS this property is located within the south campus acquisition boundary of the University's Master Plan and the appropriate University officers have determined that the purchase of this property is in the best interest of the University; and

WHEREAS funds for the purchase of this property will be provided from University funds resulting from the previous sale of south campus properties outside the acquisition boundary:

NOW THEREFORE

BE IT RESOLVED, That the President and/or Vice President for Business and Administration be authorized to purchase, in the name of the State of Ohio for the use of The Ohio State University, the real property located at 124 West Tenth Avenue at a price not to exceed \$65,000.00, upon such terms and conditions as are deemed to be in the best interest of the University, subject to the University receiving the necessary approvals from the Ohio Board of Regents and the State Controlling Board.

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

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**PURCHASE OF REAL PROPERTY
160 ACRES IN PIKE COUNTY, OHIO**

Resolution No. 87-84

Synopsis: Purchase of 160 acres of agricultural land in Pike County, Ohio, is proposed.

WHEREAS the Ohio Agricultural Research and Development Center of The Ohio State University has a need for agricultural land in southern Ohio for development of an agricultural research and education center; and

WHEREAS the University has been presented with an opportunity to purchase a 160-acre tract of agricultural land in Pike County, Ohio; and

WHEREAS the appraised value of the property is from \$304,000.00 to \$320,000.00, and the owner, Mr. John L. Patterson of Granville, Ohio, has offered to sell the property to the University for \$220,000.00; and

WHEREAS funds for the purchase of this property will be provided from funds appropriated to the University in Substitute House Bill 870, adopted by the 116th General Assembly; and

February 5 and 6, 1987 meeting, Board of Trustees

**PURCHASE OF REAL PROPERTY
160 ACRES IN PIKE COUNTY, OHIO (contd)**

WHEREAS the appropriate University officers have determined 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 Administration be authorized to purchase, in the name of the State of Ohio for the use of The Ohio State University, this 160-acre tract of property at a price of \$220,000.00 and upon such terms and conditions as are deemed to be in the best interest of the University, subject to the University receiving the necessary approvals from the Ohio Board of Regents and the State Controlling Board.

Upon motion of Mrs. Bowser, seconded by Mr. Kessler, 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. 87-85

Synopsis: Renewal of a pole line easement to the Columbus and Southern Ohio Electric Company is proposed.

WHEREAS in 1972 the University granted to the Columbus and Southern Ohio Electric Company a 15-year easement along Kenny Road in the vicinity of the University Services Center to place anchors on electric lines relocated due to highway improvements for the purpose of maintaining electric service; and

WHEREAS this easement has expired and the Columbus and Southern Ohio Electric Company has requested a renewal of the easement for a period of 15 years; and

WHEREAS the pole line easement will serve only University property; and

WHEREAS the appropriate University offices have recommended the renewal of this easement:

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 this easement.

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

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February 5 and 6, 1987 meeting, Board of Trustees

**AUTHORIZATION TO PROCEED WITH NEGOTIATIONS
TO PURCHASE CERTAIN SPECIFIED PROPERTIES**

Resolution No. 87-86

Synopsis: Authorization to purchase certain properties from Humana MedFirst as set forth in the body of this resolution is proposed.

WHEREAS the Board of Trustees has received and holds funds in its endowment for the use and benefit of the University; and

WHEREAS the Board of Trustees is charged with maintaining, operating and administering a medical college and related medical facilities to provide for the health care of the people of Ohio and for the medical education of students entering the University's College of Medicine training program; and

WHEREAS increasing, improving, and maintaining the quality and capacity for patient care at University Hospitals is essential to providing the clinical teaching atmosphere in which to accomplish this mission; and

WHEREAS the University has the opportunity to enhance its efforts in these regards by obtaining from Humana, Inc., nine of its MedFirst health facilities located in the Columbus metropolitan area; and

WHEREAS the Board of Trustees deems use of endowment funds for acquiring the MedFirst units for the special use of the University's health care and medical teaching programs to be in the best interest of The Ohio State University; and

WHEREAS the MedFirst facilities will continue to be used as the satellite support system for the approximate 8,000 individuals enrolled in the University's Alternative Health Plan (UAHP):

NOW THEREFORE

BE IT RESOLVED, That appraisals of the assets shall be made and subsequent to that the President and/or Vice President for Business and Administration with the concurrence of the Fiscal Affairs Committee of the Board, shall be authorized to consummate the purchase on such terms and conditions as the President or the Vice President for Business and Administration shall determine to be in the best interest of the University, and to pay Humana, Inc., a sum to be negotiated for its interest in nine MedFirst facilities in exchange for title free and clear in all property real and personal, pursuant to a purchase agreement yet to be finalized; and

BE IT FURTHER RESOLVED, That the President, or Vice President for Business and Administration be and hereby is authorized to execute any and all documents, as are requisite in the circumstances; and

BE IT FURTHER RESOLVED, That title to said property shall be taken in the name of the Board of Trustees of The Ohio State University for the benefit of The Ohio State University, and that the expenditure for any land involved in this transaction shall be approved by the Board of Regents and by the Controlling Board.

February 5 and 6, 1987 meeting, Board of Trustees

**AUTHORIZATION TO PROCEED WITH NEGOTIATIONS
TO PURCHASE CERTAIN SPECIFIED PROPERTIES (contd)**

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

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President Jennings:

Mr. Chairman, in the Report of Research Contracts, Grants, and Gifts, I think it is worthy to note, that in accepting that report we did establish a Chair, The Berry Chair of New Technologies in Marketing. It is significant to Mr. Berry, who has completed his pledge to The Ohio State University, I might add. This is the first Chair to be established at Ohio State where the finances were operated through the new Ohio State University Foundation -- the Chair is established in the institution, and the Foundation provides the resources to establish that Chair.

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REPORT - UNIVERSITY'S INVESTMENT PORTFOLIO

Resolution No. 87-87

RESOLVED, That the report on the University's Investment Portfolio, dated January 16, 1987, 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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**SECOND QUARTER REPORT -
1986-87 CURRENT FUNDS BUDGET**

Resolution No. 87-88

RESOLVED, That the second quarter report on the 1986-87 Current Funds Budget, dated February 6, 1987, 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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**QUARTERLY REPORT -
WAIVERS OF COMPETITIVE BIDDING REQUIREMENTS**

Resolution No. 87-89

RESOLVED, That the quarterly report on the Waivers of Competitive Bidding Requirements, dated July through September 1986, 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 5 and 6, 1987 meeting, Board of Trustees

Thereupon the Board adjourned to meet Thursday, March 5, 1987, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, at 4:30 p.m.

Attest:

Madison H. Scott
Secretary

Daniel M. Galbreath
Chairman

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THE OHIO STATE UNIVERSITY
OFFICIAL PROCEEDINGS OF THE
ONE THOUSAND TWO HUNDRED AND TWENTY-EIGHTH MEETING
OF THE BOARD OF TRUSTEES

Columbus, Ohio, March 5 and 6, 1987

The Board of Trustees met at its regular monthly meeting on Thursday, March 5, and Friday, March 6 1987, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, pursuant to adjournment.

* * *
Minutes of the last meeting were approved.
* * *

March 5 and 6, 1987 meeting, Board of Trustees

The Vice Chairman, Mr. Redman, called the meeting of the Board of Trustees to order on March 5, 1987, at 5:00 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: Edmund C. Redman, Leonard J. Immke, John W. Berry, Hamilton J. Teaford, and John W. Kessler.

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Mr. Redman reconvened the meeting on March 6, 1987, at 9:55 a.m.

Present: Edmund C. Redman, Leonard J. Immke, John W. Berry, Hamilton J. Teaford, and John W. Kessler.

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Mr. Redman:

Dr. Brand, will you introduce Dr. Yuri Medvedkov?

Dr. Brand:

Members of the Board, I would like to introduce you to Dr. Yuri Medvedkov, a prominent Soviet geographer, who is currently a distinguished Visiting Professor in our Department of Geography.

Dr. Medvedkov first applied for an exit visa from the Soviet Union in 1981, and was refused. He was demoted and eventually fired from his post on the faculty of Moscow State University and with the Institute of Geography of the Soviet Academy of Sciences. Dr. Medvedkov and his wife, Olga, were members of the Helsinki Watch Group. They helped organize, in the Soviet Union, the "Group to Establish Trust Between the U.S. and USSR."

Dr. Medvedkov's case was taken by The Ohio State University Concerned Academics and Scientists for Soviet Refuseniks, a group which was formed in 1981. The founder of this group was Professor George Demko, who is now the Director of the Office of the Geographer, U.S. State Department. Assisting with Professor Demko were Professor Jacques Zakin, Chemical Engineering, who is the current chair of the group; as well as, Professor Howard Fink, from our College of Law; and Professor Herb Asher, Special Assistant to the President. This effort was initiated in 1984, and was vigorously supported by President Jennings and the Office of Academic Affairs. I should note that Senator John Glenn was quite helpful in monitoring the case for us. Dr. Medvedkov received his visa in late September and arrived here late Autumn Quarter, after visiting the World Peace Conference in Denmark, as well as visiting Geneva.

Many believe that Ohio State's offer of a distinguished visiting professorship was instrumental in bringing about his move to the United States. Dr. Medvedkov's specialty is the study of urban and city systems, as well as Soviet geography. We are absolutely delighted that he is here and we will ask him,

March 5 and 6, 1987 meeting, Board of Trustees

Dr. Brand: (contd)

and Olga, if they would like to take a few minutes and describe some of their recent experiences and impressions of life in the United States, as well as at Ohio State.

Dr. Yuri Medvedkov:

Thank you. It is a privilege for me to be here and to thank you for the support given systematically, which is a tremendous help for the scientific community of independently thinking academicians in Moscow, and in other parts of the Soviet Union.

I am an old-timer in the Soviet Academy of Sciences -- I did thirty years of research there and then when some of the results became unexceptable to the hard-liners in the Soviet internal policy. In the end, around the end of the 1970's, when the invasion of Afghanistan started, the hardening-up in the internal life of the Academy, and the exile of an academician -- many examples of this exist. All of that led us to the point that, to continue with the type of results which I wanted, and considered to be important, internal, stratification of soviet society, pockets of poverty, deterioration of the quality of urban environment, etc. -- all of this led me to the necessity to apply to emmigrate. That was my way to protest against the conditions which were there and it was my way to continue with research which I considered to be important for the School of Human Ecology, which I organized there.

In the battles of six years, which are still going on in the Soviet Union, it was always the support of the academic world which gave us the biggest strength. The very possibility of creating the Group to Establish Trust Between the U.S. and USSR, by mobilizing independently thinking academicians of Moscow for this group, was of tremendous significance -- tremendous symbolic significance for internal development in the Soviet Union. The possibility to do that existed only because we had the umbrella of security given by letters of support, letters of protest and the pressure of the presence of frequent visitors from the United States and other countries of the West. Now, we may see certain changes in internal and external politics of the Soviet Union. The changes are not yet very decisive according to my estimate, but are important because they indicate that with patience, with insistance, we may corner hard-liners in the Soviet political life and we may bring the power of reason back to the life of that nation, as well.

Well, I am an educator, so it is great to be back to the possibilities of the university and to teach, to see the students. I am using every opportunity, even before my classes properly begin (they start in April). Thank you for all of your support. Please be assured that there are other forces, there are other persons within the Soviet Union, who need your help and who are doing their best to increase the potential of returning the Soviet Union back to the family of the civilized nations.

March 5 and 6, 1987 meeting, Board of Trustees

Mr. Teaford:

Mr. Chairman, I've had the privilege of hearing Dr. Medvedkov speak before and I think it is very important to realize that when we write these letters to President Gorbachev and others in the Soviet Union, that it is important. It has helped him get here and will help others in their struggle. Sometimes we think letter writing is an insignificant act, but I think what he says demonstrates that that is not true. One other thing he said before, and I would like him to repeat here, is that he had some impressions of Columbus, Ohio, before he left the Soviet Union, and I think we all need to hear them.

Dr. Medvedkov:

Well that is really so. Even on the day when the visa was brought to the door of my apartment, I was busy rapidly translating the manual of using PC computers for communication purposes and the CompuServe facilities were described there. It means that the scientific community of Moscow and now the independent circle are really interested in them. And we realize that Columbus is a capital of the information age. Which is now going on and on.

Mr. Redman:

Any other comments?

Dr. Olga Medvedkov:

You know a lot of people ask us how we are adjusting here. You know, it is just going excellent. I don't know, maybe it's because the community of Columbus and Ohio State is very warm. Maybe it's not very usual for the whole United States. But we are feeling ourselves, as we return to our natural environment from which we were divorced for so many years. We kept our positions at the Academy of Science in Moscow, because of great support from our colleagues, but it was a nominal position, certainly. Here, Yuri can continue his teaching and research and even I've gotten support from the Mershon Center to continue my research work in social studies, as well. It is just great and our kids are flourishing here. They are very excited about everything here. I would just like to thank you, again. It is very nice to be here.

President Jennings:

I think it is also important to recognize that the Medvedkovs are being somewhat modest. We benefit every bit as much from their presence at Ohio State, as they benefit from our assistance. This is a joint activity. Professor Medvedkov is one of the premier scholars, not only in the Soviet Union, but in the world. Our faculty do not shy away from pointing out that by bringing them here, we have substantially improved our scholarship at Ohio State University -- that this is not just a one-way street of bringing the Medvedkovs to Columbus, Ohio. From their distinguished research record and future research and distinguished teaching, we and our students will benefit enormously from their presence. And we thank you for choosing

March 5 and 6, 1987 meeting, Board of Trustees

President Jennings: (contd)

Columbus, Ohio, we think we have a pretty good place here. It is nice to hear some confirmation of the public relations statements that go on in Columbus, that we are the third largest information center in the world, behind Washington and Moscow. We, in the Midwest, have a tendency to take things like that with a grain of salt, but perhaps it will be more believed now that we have some confirmation. We are delighted that you are here. There is no need to thank us; this is part and parcel of the continuing improvement of this great University and you are part of that and we hope you can be part of it for a long time to come.

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REPRINTED STATUTES APPLYING TO THE UNIVERSITY, BYLAWS OF THE BOARD OF TRUSTEES, AND RULES OF THE UNIVERSITY FACULTY

Resolution No. 87-90

Synopsis: The reprinted Statutes Applying to the University, Bylaws of the Board of Trustees, and Rules of the University Faculty are presented for adoption.

WHEREAS the publications entitled Statutes Applying to the University, Bylaws of the Board of Trustees, and Rules of the University Faculty have been reprinted to conform to the changes approved by the Board of Trustees since the last date of publication in September 1983; and

WHEREAS Section 111.15 of the Ohio Revised Code requires state-assisted institutions of higher education to file the current rules and regulations which have been adopted or promulgated by the Board of Trustees:

NOW THEREFORE

BE IT RESOLVED, That the reprinted text of the Statutes Applying to the University, Bylaws of the Board of Trustees, and Rules of the University Faculty dated March 1987, be adopted as the official publication of the Board of Trustees.

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

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RESCISSION OF CHAPTER 3335-41 OF THE ADMINISTRATIVE CODE

Resolution No. 87-91

Synopsis: Rescission of Chapter 3335-41 of the Administrative Code is proposed.

WHEREAS the Board of Trustees has approved the adoption of a revised Code of Student Conduct at its February 1987 meeting; and

March 5 and 6, 1987 meeting, Board of Trustees

RESCISSION OF CHAPTER 3335-41 OF THE ADMINISTRATIVE CODE (contd)

WHEREAS the revised Code of Student Conduct contains a new Rule 3335-25-03 dealing with the confidentiality of education records; and

WHEREAS the Rules Committee of the University Senate has determined that Chapter 3335-41 of the Administrative Code is made unnecessary by the new Rule 3335-25-03 of the Code of Student Conduct:

NOW THEREFORE

BE IT RESOLVED, That Chapter 3335-41 of the Administrative Code be rescinded effective immediately.

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

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DISTINGUISHED SERVICE AWARDS

Resolution No. 87-92

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:

John F. Havens
Toni Mendez
William Poland
Maybelle L. Ruppert
Seward D. Schooler
Faye S. Smith
Marion L. Smith

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

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March 5 and 6, 1987 meeting, Board of Trustees

DEGREES AND CERTIFICATES - WINTER QUARTER COMMENCEMENT

Resolution No. 87-93

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

NOW THEREFORE

BE IT RESOLVED, That the degrees and certificates be conferred on March 20, 1987, 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. Berry, seconded by Mr. Kessler, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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HONORARY DEGREE

Resolution No. 87-94

Synopsis: Approval is requested for awarding an honorary degree.

WHEREAS the Committee on Honorary Degrees and the University Senate, pursuant to rule 3335-5-488 of the Administrative Code, have approved for recommendation to the Board of Trustees awarding of an honorary degree as listed below:

Roy Lichtenstein

Doctor of Fine Arts

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. Kessler, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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March 5 and 6, 1987 meeting, Board of Trustees

PERSONNEL ACTIONS

Resolution No. 87-95

RESOLVED, That the personnel actions as recorded in the Personnel Budget Records of the University since the February 6, 1987 meeting of the Board, as detailed in the University Budget be approved.

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

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RESOLUTIONS IN MEMORIAM

Resolution No. 87-96

Synopsis: Resolutions honoring the service of two 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.

Dallas S. Bolon

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on January 8, 1987, of Dallas S. Bolon, Assistant Professor Emeritus in the Academic Faculty of Accounting and Management Information Systems.

Professor Bolon was born December 27, 1894. He served as a Second Lieutenant in World War I. He received the Bachelor of Science degree from The Ohio State University in 1921.

Professor Bolon joined the faculty as an Instructor in Accounting in 1923. He served as a Lecturer in Accounting from 1928 until his retirement in 1961. In July 1966 he was awarded the rank of Assistant Professor Emeritus.

Author of a text in introductory accounting, Professor Bolon's research involved improvements in accounting systems: cost, tax, and financing problems.

Professor Bolon became a CPA in 1923, and was a partner in the firm of Bolon, Hart and Beuhler.

On behalf of the University community, the Board of Trustees expresses to the family of Dallas S. Bolon its deepest sympathy. 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 5 and 6, 1987 meeting, Board of Trustees

RESOLUTIONS IN MEMORIAM (contd)

Roy J. Secrest

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on November 7, 1986, of Roy J. Secrest, Professor Emeritus in the Department of Surgery.

Dr. Secrest was born on May 15, 1902, and received his M.D. degree from The Ohio State University in 1926. For some years he was a country doctor making his rounds on horseback. He became associated with Dr. Harry LeFever, the pioneer neurosurgeon in the Central Ohio area in the late 1930's. Drs. LeFever and Secrest founded the residency training program in neurologic surgery, initially at the old White Cross Hospital, later at University Hospitals, Children's Hospital, and Riverside Methodist Hospital. Dr. Secrest retired and was named Professor Emeritus on July 1, 1970.

Dr. Secrest's major contributions were in his clinical and teaching skills. He was a kind man. His demeanor was always reassuring to his patients, many of whom suffered from serious disorders of the nervous system and suffered great anxiety and pain. Dr. Secrest's example was an inspiration to many medical students and residents, a number of whom are still on the faculty of The Ohio State University.

His memorial will be in the minds of his patients and those whom he inspired to enter the specialty of neurologic surgery. He was a model of a warm, gracious and skillful physician.

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.

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

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REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS

Resolution No. 87-97

Synopsis: The reports on contracts, grants, and gifts and the summary for January 1987 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

March 5 and 6, 1987 meeting, Board of Trustees

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

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 and The Ohio State University Development Fund during the month of January 1987 be approved.

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

SUMMARY FOR JANUARY 1987

Source	No. of Projects	Support Level
The Ohio State University Research Foundation	90	\$6,829,644.27
Engineering Experiment Station	56	\$ 691,850.00
Total	146	\$7,521,494.27

The Ohio State University Development Fund

Establishment of Named Funds

The Irene D. Hirsch Research Fund in Ophthalmology (Support research in diseases and treatment of the eyes)		\$1,348,214.00
Ohio Eminent Scholar in Hydrogeology (Provide salary and program support for the work of an outstanding scholar- leader in hydrogeology)	(Ohio General Assembly)	\$ 500,000.00 \$ 500,000.00 (University Funds)
Ohio Eminent Scholar in Industrial Microbiology (Provide salary and program support for the work of an outstanding scholar- leader in industrial microbiology)	(Ohio General Assembly)	\$ 500,000.00 \$ 500,000.00 (University Funds)
Ohio Eminent Scholar in Materials Research (Provide salary and program support for the work of an outstanding scholar- leader in materials research)	(Ohio General Assembly)	\$ 500,000.00 \$ 500,000.00 (University Funds)
Ohio Eminent Scholar in Mechanical Systems (Provide salary and program support for the work of an outstanding scholar- leader in mechanical systems)	(Ohio General Assembly)	\$ 500,000.00 \$ 500,000.00 (University Funds)
The AEP Fund in Electric Power Systems Engineering (Modernize the department's under- graduate power systems machinery lab)		\$ 100,000.00
Sabatino Research Fund for Cystic Fibrosis (Support cystic fibrosis research)		\$ 50,000.00

March 5 and 6, 1987 meeting, Board of Trustees

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

SUMMARY FOR JANUARY 1987 (contd)

The Ohio State University Development Fund (contd)

Establishment of Named Funds (contd)

Helen Earnhart Harley Creative Writing Fellowship Award (Award for an outstanding student)	\$ 32,000.00
The Virginia Hull Research Award (Provide research support to women faculty members in the College of Humanities)	\$ 25,875.00
The Edward F. Wagner Scholarship Fund (Provide financial aid to students from Adams, Lawrence, and Scioto counties)	\$ 17,500.00
The Deacon-Firebaugh Graduate Fellowship (Department of Family Resource Management)	\$ 15,990.00
The Professor Charles Clements Morris Mathematics Endowment (Assistance for undergraduate mathematics majors)	\$ 15,378.00
The John McKittrick Family Fund (Annual income divided among various areas)	\$ 15,000.00
The Claude E. Altenburg, Jr., Award (Awarded to one or more students enrolled in the College of Pharmacy)	\$ 7,630.00

Change of Name and Description of Named Fund

From: Julia I. Dalrymple O.S.U. Home Economics Education Endowed Graduate Fellowship

To: Julia I. Dalrymple O.S.U. Home Economics Education Endowed Research Fund

March 5 and 6, 1987 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION

Report - January 1987

Federal Research Contracts/Grants

\$1,715,000.00 - Department of Energy, Argonne, Illinois, High Energy Physics, Department of Physics (T.A. Romanowski, T.Y. Ling, K.D. Lane, S.S. Pinsky, W.W. Wada, N.W. Reay, K. Reibel, N.R. Stanton, H.P. Kagan, R.D. Kass, J. Shigemitsu, A.J. Niemi and G. Steigman), 1 January 1987 through 31 December 1987. (Project 762116 - Continuation)

\$357,055.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Cooperative Human Tissue Network, Cancer Research Center and Department of Pathology (K. Clausen) and Cancer Research Center and Department of Physiological Chemistry (R.W. Trewyn), 1 January 1987 through 31 December 1987. (Project 765857 - New)

\$310,899.00 - Department of Education, Office of Educational Research and Improvement, Washington, D.C., Operation of an Educational Resources Information Center (ERIC) Clearinghouse on Science, Mathematics and Education, Department of Educational Theory and Practice (R.W. Howe), 1 January 1987 through 31 December 1987. (Project 765194 - Continuation)

\$296,711.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Southwest Oncology Group, Department of Internal Medicine (S.P. Balcerzak), 1 January 1987 through 31 December 1987. (Project 761094 - Continuation)

\$265,000.00 - Department of Education, Office of Educational Research and Improvements, Washington, D.C., ERIC Clearinghouse on Adult, Career and Vocational Education, The National Center for Research in Vocational Education (R.D. Ryan, Jr.), 1 January 1987 through 13 September 1987. (Project 764387 - Continuation)

\$250,000.00 - Department of the Air Force, Air Force Systems Command, Griffiss Air Force Base, New York, Explanation in Problem-Solving and Planning Systems, Department of Computer and Information Science (B. Chandrasekaran), 15 January 1987 through 30 September 1987. (Project 764562 - Continuation)

\$162,446.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Biochemical Mechanisms of Nitrosamine Carcinogenesis Department of Chemistry (H.G. Floss), 1 January 1987 through 31 December 1987. (Project 764242 - Continuation)

\$146,989.00 - Department of the Air Force, Air Force Systems Command, Wright-Patterson Air Force Base, Ohio, Modeling and Analysis of Polarization Effects in Coherent Radar, Department of Electrical Engineering, ElectroScience Laboratory (R.J. Marhefka), 1 February 1987 through 15 March 1988. (Project 765044 - Continuation)

\$128,693.00 - Environmental Protection Agency, Washington, D.C., Another Mechanism for the Oxygenation of Environmental Genotoxic PAH Compounds to Human Carcinogens: In Vitro Transformation in Human Cells, College of

March 5 and 6, 1987 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

Pharmacy (D.T. Witiak), 2 January 1987 through 1 January 1988. (Project 764536 - Continuation)

\$112,179.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Neural Control of Human Intestinal Mucosa, Department of Physiology (H.J. Cooke), 1 January 1987 through 31 December 1987. (Project 765037 - Continuation)

\$107,881.00 - Department of Health and Human Services, Public Health Service, Health Resources and Services Administration, Rockville, Maryland, Predoctoral Training in Family Medicine, Department of Family Medicine (P.J. Fahey), 1 July 1987 through 30 June 1988. (Project 765400 - Continuation)

\$102,868.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Solution Structure of Ribosomal 5S RNA and 5.8S RNA, Departments of Chemistry and Biochemistry and Chemical Instrumentation Center (A.G. Marshall), 1 January 1987 through 31 December 1987. (Project 762523 - Continuation)

\$100,000.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, Exploratory Research on the Protection of Carbon-Carbon Composites against Oxidation at Very High Temperatures (>3000F) with Engel-Brewer and Other Intermetallic Compounds, Department of Metallurgical Engineering (G.R. St. Pierre, J.P. Hirth, and R.A. Rapp), 1 November 1986 through 31 October 1987. (Project 765280 - Continuation)

\$97,000.00 - Department of the Army, Army Material Development Readiness Command, Fort Monmouth, New Jersey, Computer Communication Protocols for Advanced Communication Systems, Department of Computer and Information Science (M.T. Liu), 1 January 1987 through 20 December 1987. (Project 765838 - Continuation)

\$96,800.00 - National Science Foundation, Washington, D.C., Kinetics and Spectroscopy of Reactive Intermediates, Department of Chemistry (M.S. Platz), 1 December 1986 through 30 November 1987. (Project 765125 - Continuation)

\$91,500.00 - National Science Foundation, Washington, D.C., Plastic Instability and Fracture in Steels, Department of Metallurgical Engineering (J.P. Hirth), 1 April 1987 through 31 March 1988. (Project 763970 - Continuation)

\$86,000.00 - National Science Foundation, Washington, D.C., Curatorial Assistance for the Borror Laboratory of Bioacoustics, Department of Zoology (A.S. Gaunt, A.D. Thompson and S.L. Gaunt), 1 January 1987 through 31 December 1988. (Project 764469 - Continuation)

\$74,014.00 - Department of the Air Force, Air Force Systems Command, Wright-Patterson Air Force Base, Ohio, Experimental Screening of Potential Surface Materials for Ultra-High Temperature Composites,

March 5 and 6, 1987 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

Department of Ceramic Engineering (J.D. Cawley) and Department of Metallurgical Engineering (W.B. Johnson), 1 January 1987 through 31 August 1987. (Project 765693 - Continuation)

\$71,756.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Intestinal Bypass Surgery in Hibernation, Department of Physiology (H.J. Cooke), 16 January 1987 through 31 December 1987. (Project 765844 - New)

\$67,500.00 - National Science Foundation, Washington, D.C., Raman and Spatially Resolved Spectroelectrochemistry, Department of Chemistry (R.L. McCreery), 1 January 1987 through 31 December 1987. (Project 764803 - Continuation)

\$64,136.00 - National Science Foundation, Washington, D.C., Purification of Multicomponent Liquid Mixtures by the Dual Recycle Thermal Swing Adsorption Process, Department of Chemical Engineering (K.S. Knaebel), 15 January 1987 through 14 January 1988. (Project 765859 - New)

\$59,968.00 - National Aeronautics and Space Administration, Lewis Research Center, Cleveland, Ohio, Modeling of Gear Dynamics, Housing Noise and the Transmissibility of a NASA Spur Gear Test Facility, Department of Mechanical Engineering (D.R. Houser and R. Singh), 10 January 1987 through 9 January 1988. (Project 765863 - New)

\$58,500.00 - National Science Foundation, Washington, D.C., Structural Influence of Zeolites on Metals and Metal Complexes within Its Cavities - A Raman Spectroscopy Study, Department of Chemistry (P.K. Dutta), 1 January 1987 through 31 December 1987. (Project 764936 - Continuation)

\$50,064.00 - Department of the Air Force, Air Force Systems Command, Wright-Patterson Air Force Base, Ohio, Theoretical Approach to Analysis and Design of Efficient Reduced-Controls for Space Structures, Department of Aeronautical and Astronautical Engineering (H.A. Oz), 1 October 1986 through 30 September 1987. (Project 765624 - Continuation)

\$50,000.00 - Department of the Army, Army Materiel Development Readiness Command, Dover, New Jersey, Syntheses of Polynitro Cage Molecules, Department of Chemistry (L.A. Paquette), 1 February 1987 through 31 October 1987. (Project 765379 - Continuation)

\$48,810.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Biology of Basal Cell Carcinoma, Department of Internal Medicine (R.E. Grimwood), 1 January 1987 through 31 December 1987. (Project 765145 - Continuation)

\$47,885.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Mechanism of GI Motor Disturbances in Enteric Parasitism, Department of Physiology (J.M. Palmer and J.D. Wood), 1 February 1987 through 31 January 1988. (Project 765866 - New)

March 5 and 6, 1987 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

\$47,661.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Intestinal Function in a Hibernator: Adaptive Changes, Department of Physiology (H.V. Garey and H.J. Cooke), 16 January 1987 through 31 December 1987. (Project 765843 - New)

\$45,000.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, A Theoretical and Experimental Study of Weld Solidification under Transient Conditions, Department of Welding Engineering (W.A. Baeslack, III), 1 January 1987 through 30 June 1987. (Project 764095 - Continuation)

\$43,512.00 - Department of Education, Office of Postsecondary Education, Washington, D.C., Supplemental Funds to Initiate, Improve or Expand a Program of Cooperative Education, Colleges of the Arts and Sciences - Administration, Business - Administration and Engineering - Administration (T.A. Willke), Agricultural Technical Institute - Administrative Support (D.D. Garrison) and School of Health, Physical Education and Recreation (W.A. Sutton), 1 October 1986 through 30 September 1987. (Project 765871 - Continuation)

\$40,754.00 - Department of Transportation, National Highway Traffic Safety Administration, West Liberty, Ohio, Support of Defects Investigations, Department of Mechanical Engineering (D.A. Guenther), 16 November 1986 through 15 November 1987. (Project 765180 - Continuation)

\$40,000.00 - 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), 30 November 1986 through 30 June 1987. (Project 763362 - Continuation)

\$36,600.00 - National Science Foundation, Washington, D.C., Harmonic Curvature, Einstein Spaces and Comparison Theorems, Department of Mathematics (E. Ruh and A. Derdzinski), 15 December 1986 through 30 November 1987. (Project 765878 - New)

\$35,000.00 - National Science Foundation, Washington, D.C., Physical Studies of Milk Xanthine Oxidase, Department of Physiological Chemistry (C.R. Hille), 1 May 1987 through 30 April 1988. (Project 765099 - Continuation)

\$30,000.00 - National Science Foundation, Washington, D.C., Image Analysis, Department of Chemical Engineering (R.S. Brodkey), 1 January 1987 through 30 June 1988. (Project 765877 - New)

\$29,004.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Thymidylate Synthase Transcriptional Control Sequences, Department of Biochemistry (L.F. Johnson and J.W. DeWille), 1 January 1987 through 31 December 1987. (Project 765846 - New)

March 5 and 6, 1987 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

\$27,519.00 - National Aeronautics and Space Administration, Ames Research Center, Moffett Field, California, Analysis of a Simulated 2-D Viscous Flow for the Case of Hover Flight, Department of Mechanical Engineering (A.T. Conlisk), 1 January 1987 through 31 December 1987. (Project 765301 - Continuation)

\$17,700.00 - National Science Foundation, Washington, D.C., Group Travel for U.S. Participants in Fifth Antarctic Earth Sciences Symposium, Cambridge, England, August 24-28, 1987, Institute of Polar Studies (D.H. Elliot), 1 January 1987 through 31 December 1987. (Project 765880 - New)

\$16,000.00 - Department of the Army, Army Research Office, Research Triangle Park, North Carolina, An International Symposium on Molecular Spectroscopy, Department of Physics (K.N. Rao), 10 March 1987 through 9 March 1988. (Project 765282 - Continuation)

\$3,150.00 - 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 December 1986 through 31 January 1987. (Project 763264 - Continuation)

\$2,000.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Second International Symposium on Epstein-Barr Virus and Associated Malignant Diseases, Department of Medical Microbiology and Immunology (M.R. Glaser), 17 October 1986 through 31 August 1987. (Project 765507 - Continuation)

TOTAL - FEDERAL AWARDS \$5,433,554.00

State of Ohio Research Contracts/Grants

\$78,771.00 - State of Ohio, Department of Education, Columbus, Ohio, A Community-Based Network to Assist Handicapped Youth's Transition from School to Work: A Four-Part Model, The National Center for Research in Vocational Education (R.D. Ryan, Jr.), 1 September 1986 through 31 August 1987. (Project 765867 - New)

\$55,650.00 - State of Ohio, Department of Health, Columbus, Ohio, Perinatal Outreach Education Program, Department of Pediatrics (L. Cordero), 1 October 1986 through 30 September 1987. (Project 764100 - Continuation)

\$6,500.00 - State of Ohio, Department of Health, Columbus, Ohio, Neonatal Intensive Care Unit Hearing Screening, Nisonger Center (P. Niswander), 1 October 1986 through 30 September 1987. (Project 765853 - Continuation)

TOTAL - STATE OF OHIO AWARDS \$ 140,921.00

March 5 and 6, 1987 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Industrial Research Contracts/Grants

\$102,457.00 - Dupont Critical Care, Waukegan, Illinois, Safety and Tolerance to Increasing Infusion Rates of the Phenytoin Prodrug Administered as a Bolus Dose to Healthy Human Volunteers, Department of Pharmacology (N. Gerber), 19 December 1986 through 30 June 1987. (Project 765696 - Continuation)

\$84,196.00 - Kali-Duphar Labs, Inc., Columbus, Ohio, Eproxindine Hydrochloride (CK 3791) and Healthy Male Volunteers, Department of Pharmacology (N. Gerber), 1 November 1986 through 31 October 1987. (Project 765696 - Continuation)

\$55,860.00 - The Procter & Gamble Company, Cincinnati, Ohio, Oral Biology Periodontal Research, Oral Biology (K. Schroeder), 1 January 1987 through 30 June 1987. (Project 760029 - Continuation)

\$52,259.00 - Pfizer, Inc., Groton, Connecticut, A Multicenter Third Party Blinded Comparative Study of CP-62,993 and Erythromycin for the Assessment of Safety and Efficacy in the Treatment of Acute Upper Respiratory Tract Infections, University Health Service (D.I. Charles), 1 December 1986 through 30 April 1987. (Project 765870 - New)

\$46,930.00 - Pfizer, Inc., Groton, Connecticut, A Multicenter Third Party Blinded Comparative Study of CP-62,993 and Erythromycin for the Assessment of Safety and Efficacy in the Treatment of Acute Lower Respiratory Tract Infections, University Health Service (D.I. Charles), 1 December 1986 through 30 April 1987. (Project 765868 - New)

\$24,837.00 - Norwich-Eaton Pharmaceuticals, Inc., Norwich, New York, The Neonatal Gnotobiotic Pig as a Host for a Model Campylobacter pyloridis Infection of the Upper GI Tract, Department of Veterinary Pathobiology (G.S. Krakowka), 23 June 1986 through 31 May 1987. (Project 765549 - Continuation)

\$20,000.00 - Pfizer, Inc., Groton, Connecticut, Double-Blind Placebo-Controlled Ninety Day Toleration Study of CP-54,802, Department of Pharmacology (N. Gerber), 1 November 1986 through 31 December 1986. (Project 765696 - Continuation)

\$20,000.00 - Universal Energy Systems, Dayton, Ohio, A Chemical Kinetics Model for Mach 5-14 Hypersonic Flow, Department of Aeronautical and Astronautical Engineering (T.G. Yip), 1 December 1986 through 31 December 1987. (Project 765856 - New)

\$20,000.00 - Universal Energy Systems, Dayton, Ohio, Fuel Injection and Mixing in a Supersonic Combustor, Department of Mechanical Engineering (M. Samimy), 1 December 1986 through 31 December 1987. (Project 765850 - New)

\$20,000.00 - Universal Energy Systems, Dayton, Ohio, Towards a Rule Based Expert System for Damage Assessment of Air Force Base Protective Structures, Department of Civil Engineering (F.C. Hadipriono), 1 December 1986 through 31 December 1987. (Project 765851 - New)

March 5 and 6, 1987 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Industrial Research Contracts/Grants (contd)

\$19,971.00 - Universal Energy Systems, Inc., Dayton, Ohio, Effects of Exercise and Dobutamine on Suspension Hypokinesia/Hypodynamia Deconditioning in Rats, Department of Veterinary Physiology and Pharmacology (R.L. Hamlin), 1 December 1986 through 31 December 1987. (Project 765865 - New)

\$12,584.00 - Capital City Products Co., Columbus, Ohio, The Flavor Improvement of Medium Chain Triglycerides through Isolation, Separation and Identification, Department of Food Science and Nutrition - OARDC and Department of Food Science and Nutrition (D.B. Min), 15 December 1986 through 31 August 1987. (Project 765858 - New)

\$10,000.00 - Singer-Link, Inc., Binghamton, New York, Evaluation of the Esprit System Phase II, Department of Psychology (D.H. Owen), 1 May 1986 through 27 February 1987. (Project 765391 - Continuation)

\$3,500.00 - Ross Laboratories, Columbus, Ohio, Comparison of High Carbohydrate and High Fat Diet, School of Health, Physical Education and Recreation (R.L. Bartels), 1 January 1986 through 30 June 1986. (Project 764896 - Continuation)

\$3,375.00 - Huntington National Bank, Columbus, Ohio, Training Materials Preparation for the Huntington Institute of Banking Project, The National Center for Research in Vocational Education (R.D. Ryan, Jr.), 2 January 1987 through 23 January 1987. (Project 765872 - New)

TOTAL - INDUSTRIAL AWARDS \$ 495,969.00

Other Non-Federal Research Contracts/Grants

\$150,000.00 - John D. and Catherine T. MacArthur Foundation, Chicago, Illinois, American Defense Annual, Mershon Center for Education (J. Kruzel), 1 January 1987 through 31 December 1989. (Project 765879 - New)

\$98,581.00 - Georgia Department of Education, Atlanta, Georgia, Developing a Planning and Evaluation Model for Secondary Vocational Education in Georgia, The National Center for Research in Vocational Education (R.D. Ryan, Jr.), 1 December 1986 through 30 June 1988. (Project 765854 - New)

\$50,616.00 - Indonesia Ministry of Education and Culture, Jakarta, Indonesia, Indonesian Visiting Scholar Program - Task Order C, College of Education - Administration (J.J. Buffer), 1 January 1987 through 30 June 1987. (Project 765362 - Continuation)

\$47,812.00 - Elsa U. Pardee Foundation, Midland, Michigan, The Role of the Interferon-Induced Enzyme, 2',5'-Oligoadenylate Synthetase, in the Growth and Differentiation of Malignant Lymphocytes, Department of Internal Medicine (P.L. Triozzi), 1 January 1987 through 31 December 1987. (Project 765848 - New)

\$45,117.00 - Iowa State University, Ames, Iowa, Ultrasonic Evaluation of Porosity in Aluminum Cast Material, Department of Welding Engineering (L.

March 5 and 6, 1987 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)

Adler), 1 October 1986 through 30 September 1987. (Project 765723 - Continuation)

\$38,312.00 - Andrus Foundation, Washington, D.C., Precursors of Physical, Economic, and Psychological Well-Being in Widowhood, Department of Family Relations and Human Development (S.L. O'Bryant), 1 January 1987 through 31 December 1987. (Project 765802 - New)

\$31,210.00 - United Nations, 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 1986 through 30 June 1987. (Project 760113 - Continuation)

\$27,000.00 - Butler County Department of Human Services, Hamilton, Ohio, Development of Living Skills, Cooperative Extension Field Operations (P.H. Simmons), 1 December 1986 through 30 November 1987. (Project 765233 - Continuation)

\$26,000.00 - Muscular Dystrophy Association, New York, New York, Mechanism of Action of Calcium Binding Proteins, Department of Physiological Chemistry (J.D. Johnson), 1 January 1987 through 31 December 1987. (Project 763866 - Continuation)

\$21,328.00 - University of California, Livermore, California, Ultrasonic Methods to Evaluate Fluid-Filled Porous Solids, Department of Welding Engineering (L. Adler), 1 October 1986 through 30 September 1987. (Project 765828 - Continuation)

\$20,778.00 - University of California, Santa Barbara, California, The Processing and Mechanical Properties of High Performance Materials, Department of Metallurgical Engineering (J.P. Hirth), 15 September 1986 through 14 March 1987. (Project 765876 - New)

\$20,000.00 - Muscular Dystrophy Association, New York, New York, Calcineurin - Membrane Interactions, Department of Chemistry (M.M. King), 1 January 1987 through 31 December 1987. (Project 765869 - New)

\$19,500.00 - Upper Arlington City Schools, Upper Arlington, Ohio, Upper Arlington-Ohio State Middle School Project, School of Health, Physical Education and Recreation (C.L. Mand), 2 September 1986 through 30 June 1987. (Project 765864 - Continuation)

\$19,409.00 - City of Columbus, Human Services Department, Columbus, Ohio, Contextual Analysis of Teen Pregnancy, Department of Black Studies (J.N. Upton), Center for Women's Studies (M.M. Fonow) and College of Social Work (G. Gilbert), 1 November 1986 through 31 March 1987. (Project 765845 - New)

\$17,232.27 - United Cerebral Palsy Research and Educational Foundation, New York, New York, Gait Patterns of Children with Cerebral Palsy, Department of Surgery (S.R. Simon), 1 October 1986 through 30 September 1987. (Project 765849 - New)

March 5 and 6, 1987 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)

\$17,000.00 - American Heart Association, Central Ohio Chapter, Columbus, Ohio, Heart Z-line Isolation: Removal of Actomyosin Rigor Complex, Department of Veterinary Anatomy (M. Yamaguchi), 1 January 1987 through 30 June 1987. (Project 765861 - New)

\$15,287.00 - University Affiliated Cincinnati Center for Developmental Disorders, Cincinnati, Ohio, Prevention Continuing Education in Rural Areas, Nisonger Center (M.J. Guralnick), 1 January 1987 through 31 December 1987. (Project 764528 - Continuation)

\$15,000.00 - Tinker Foundation, New York, New York, Field Research Grants in Latin America and Spain, University Center for International Studies (J.S. Adams), Department of Agricultural Economics and Rural Sociology (D.H. Graham) and Department of History (K. Andrien), 1 January 1987 through 31 December 1987. (Project 765189 - Continuation)

\$12,500.00 - Deafness Research Foundation, New York, New York, Antibody Levels Directed against the Outer Membrane Proteins of *H. influenzae* from Patients with Chronic Otitis Media, Department of Otolaryngology (T. DeMaria), 1 January 1987 through 31 December 1987. (Project 765840 - New)

\$10,490.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Z-line Assembly: New Microscopic View of Quick-Frozen Heart, Department of Veterinary Anatomy (M. Yamaguchi), 1 January 1987 through 31 December 1987. (Project 765860 - New)

\$8,086.00 - Tennessee Valley Authority, Soddy-Daisy, Tennessee, and Duke Power Company, Cornelius, North Carolina, Consortium for the Development of Instructor Training Materials for the Electric Power Industry, The National Center for Research in Vocational Education (R.D. Ryan, Jr.), 1 November 1986 through 28 February 1987. (Project 765778 - Continuation)

\$8,000.00 - Cleveland State University, Cleveland, Ohio, A Curriculum Model for Oral and Written Language with Developmentally Handicapped Learners, Department of Human Services Education (G. Cartledge), 1 October 1986 through 30 June 1987. (Project 765842 - New)

\$6,900.00 - The Fred C. Gloeckner Foundation, Inc., New York, New York, Factors Influencing Optimization of Cold-Programming Responses of Case-Cooled Easter Lily Bulbs, Department of Horticulture - OARDC and Department of Horticulture (T.A. Prince), 1 September 1987 through 31 August 1988. (Project 765875 - New)

\$6,525.00 - Cancer Therapy and Research Foundation, San Antonio, Texas, SWOG Study 8501, Intraperitoneal Cis-Platinum/Intravenous Cys-Platinum/Intravenous Cyclophosphamide versus Intravenous Cis-Platinum/Intravenous Cyclophosphamide in Patients with Non-Measurable (Optimal) Disease Stage III Ovarian Cancer, Department of Pathology (R. O'Toole), 1 October 1986 through 30 September 1987. (Project 765855 - New)

\$5,425.00 - Comite Conjunto Hispano-Norteamericano para la Cooperacion Cultural y Educativa, Madrid, Spain, The Development of Partisanship and Spanish Democracy, Department of Political Science (B.M. Richardson and

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Other Non-Federal Research Contracts/Grants (contd)

R.P. Gunther), 1 September 1986 through 31 August 1987. (Project 765417 - New)

\$5,400.00 - International Joint Commission, Windsor, Ontario, Canada, Great Lakes Water Quality and Health - Data Sources for Epidemiologic Studies, Department of Preventive Medicine (J.R. Wilkins, III), 1 January 1987 through 31 March 1987. (Project 765847 - New)

\$5,000.00 - The Fred C. Gloeckner Foundation, Inc., New York, New York, Equipment Proposal for a Zeiss Axiphot Research Microscope, Department of Horticulture - OARDC and Department of Horticulture (G.G. Hanniford and R.D. Lineberger), 1 August 1987 through 31 July 1988. (Project 765874 - New)

\$4,500.00 - Butler County Department of Human Services, Hamilton, Ohio, Development of Living Skills, Cooperative Extension Field Operations (P.H. Simmons), 1 January 1986 through 30 November 1986. (Project 765233 - Continuation)

\$3,655.00 - American Animal Hospital Association Foundation, Denver, Colorado, N-(4-hydroxyphenyl) Retinamide: A Retinoid for Canine Mammary Cancer Therapy, Department of Veterinary Preventive Medicine (J. Silverman), 1 January 1987 through 31 December 1987. (Project 765873 - New)

\$1,498.00 - Cancer Therapy and Research Center, San Antonio, Texas, Gynecologic Cancer Pathology Subcommittee, Department of Pathology (R. O'Toole), 1 September 1986 through 31 May 1987. (Project 764004 - Continuation)

\$1,039.00 - Indiana University, Bloomington, Indiana, Malaysia Cooperative Program, English/Second Language (T.T. Diemer), 1 January 1986 through 31 December 1986. (Project 764972 - Continuation)

TOTAL - OTHER NON-FEDERAL AWARDS \$ 759,200.27

ENGINEERING EXPERIMENT STATION

State Sponsored Research and Development

\$150,000.00 - Ohio Coal Development Office, Columbus, Ohio, "Reduction of Sulfur and Nitrogen Contents in Coal by Microbial Processing," Department of Chemical Engineering, 1 January 1987 through 30 June 1988. (529724)

\$150,000.00 - Ohio Coal Development Office, Columbus, Ohio, "Removal of Organic and Inorganic Sulfur from Ohio Coal by Combined Chemical and Physical Processes," Department of Metallurgical/Mining Engineering, 1 December 1986 through 30 November 1988. (529722)

\$150,000.00 - Ohio Coal Development Office, Columbus, Ohio, "Organic and Inorganic Sulfur Reduction by Physical Cleaning and In-Flame Sulfur Absorption," Department of Mechanical Engineering, 1 December 1986 through 31 March 1988. (312894)

March 5 and 6, 1987 meeting, Board of Trustees

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

ENGINEERING EXPERIMENT STATION (contd)

State Sponsored Research and Development (contd)

\$50,000.00 - Thomas Edison Partnership Program, Columbus, Ohio, and McCoy Avionics, Inc., Columbus, Ohio, "MAC 1700 Digital/Analog Avionics Modification," Department of Electrical Engineering, 1 March 1986 through 31 January 1987. (312889)

\$48,715.00 - Thomas Edison Partnership Program, Columbus, Ohio and Huntsman Chemical, Columbus, Ohio, "Improvement of Processibility and Mechanical Properties of High Impact Polystyrene through Better Reactor Design and Control," Department of Chemical Engineering, 1 January 1987 through 31 December 1987. (529721)

\$19,735.00 - The Ohio State University Center for Teaching Excellence, Columbus, Ohio, "Satellite Dish Facility Development," Department of Electrical Engineering, 1 December 1986 through 30 June 1987. (312898)

TOTAL - STATE SPONSORED RESEARCH \$ 568,450.00

Industrial and Other Sponsored Research and Development

\$93,094.00 - Additional funds from NCR Corporation, Dayton, Ohio, "Cold Temperature Testing of Hot Electron Effects in NCR SuperCool MOS Technologies," Department of Electrical Engineering, 1 October 1985 through 31 December 1987. (529683, Ext. 2)

\$52,548.00 - from 33 sponsors of 47 projects in two research areas of the College.

\$(25,232.00) - Reduction in funding by McCoy Avionics, Inc., Columbus, Ohio, (Corporate Funds), "MAC 1700 Digital/Analog Avionics Modification," Department of Electrical Engineering, 1 March 1986 through 31 January 1987. (312867). NOTE: This project had been previously reported at \$50,000. Total funding from the program is now \$50,000 from the state (312889), and \$24,768 from industry (312867)

\$3,000.00 - Additional funds from Battelle Columbus Laboratories, Columbus, Ohio, "Analysis of Miniature Charpy Specimen Data," Department of Nuclear Engineering, 1 October 1985 through 31 December 1986. (529691, Ext. 4)

TOTAL - INDUSTRIAL AND OTHER SPONSORED RESEARCH \$ 123,410.00

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND

Establishment of Named Funds

The Irene D. Hirsch Research Fund in Ophthalmology

The Irene D. Hirsch Research Fund in Ophthalmology was established March 6, 1987, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from the estate of Irene D. Hirsch, B.S.Ed. '26.

March 5 and 6, 1987 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 Irene D. Hirsch Research Fund in Ophthalmology (contd)

All gifts are to be invested in the University's 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 shall be used to support research in diseases and treatment of the eyes. Expenditures from the fund will be approved by the Chairperson of the Department of Ophthalmology in consultation 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 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 College of Medicine.

Ohio Eminent Scholar in Hydrogeology

The Ohio Eminent Scholar in Hydrogeology was established March 6, 1987, by the Board of Trustees of The Ohio State University with \$500,000 awarded by the General Assembly of Ohio and a matching \$500,000 from Unrestricted Gifts to the University.

The funds 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 shall be used to provide salary and program support for the work of an outstanding scholar-leader in Hydrogeology. Appointment as the Ohio Eminent Scholar in Hydrogeology will be recommended by the Dean of the College of Mathematical and Physical Sciences to the Provost and President and approved by the Board of Trustees.

Should the need for this 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 education and research in geology. Any redirection of this endowment prior to ten years from the date established shall require the prior approval of the Ohio Board of Regents.

Ohio Eminent Scholar in Industrial Microbiology

The Ohio Eminent Scholar in Industrial Microbiology was established March 6, 1987, by the Board of Trustees of The Ohio State University with \$500,000 awarded by the General Assembly of Ohio and a matching \$500,000 from Unrestricted Gifts to the University.

March 5 and 6, 1987 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

Establishment of Named Funds (contd)

Ohio Eminent Scholar in Industrial Microbiology (contd)

The funds 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 shall be used to provide salary and program support for the work of an outstanding scholar-leader in Industrial Microbiology. Appointment as the Ohio Eminent Scholar in Industrial Microbiology will be recommended by the Dean of the College of Biological Sciences to the Provost and President and approved by the Board of Trustees.

Should the need for this 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 education and research in microbiology. Any redirection of this endowment prior to ten years from the date established shall require the prior approval of the Ohio Board of Regents.

Ohio Eminent Scholar in Materials Research

The Ohio Eminent Scholar in Materials Research was established March 6, 1987, by the Board of Trustees of The Ohio State University with \$500,000 awarded by the General Assembly of Ohio and a matching \$500,000 from Unrestricted Gifts to the University.

The funds 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 shall be used to provide salary and program support for the work of an outstanding scholar-leader in Materials Research. Appointment as the Ohio Eminent Scholar in Materials Research will be recommended by the Dean of the College of Mathematical and Physical Sciences to the Provost and President and approved by the Board of Trustees.

Should the need for this 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 education and research in physics. Any redirection of this endowment prior to ten years from the date established shall require the prior approval of the Ohio Board of Regents.

March 5 and 6, 1987 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

Establishment of Named Funds (contd)

Ohio Eminent Scholar in Mechanical Systems

The Ohio Eminent Scholar in Mechanical Systems was established March 6, 1987, by the Board of Trustees of The Ohio State University with \$500,000 awarded by the General Assembly of Ohio and a matching \$500,000 from Unrestricted Gifts to the University.

The funds 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 shall be used to provide salary and program support for the work of an outstanding scholar-leader in Mechanical Systems. Appointment as the Ohio Eminent Scholar in Mechanical Systems will be recommended by the Dean of the College of Engineering to the Provost and President and approved by the Board of Trustees.

Should the need for this 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 education and research in mechanical engineering. Any redirection of this endowment prior to ten years from the date established shall require the prior approval of the Ohio Board of Regents.

The AEP Fund in Electric Power Systems Engineering

The AEP Fund in Electric Power Systems Engineering was established March 6, 1987, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from the American Electric Power Service Corporation.

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 shall be used to modernize the department's undergraduate power systems machinery laboratory. The objective of this fund is to enhance the electric power systems engineering education and research program in the Department of Electrical Engineering. The Chairperson of the Department of Electrical Engineering is authorized to invade the principal amount of the endowment if necessary. The Chairperson 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. Any unused annual income from the fund will be reinvested in the 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 purpose whatsoever as

March 5 and 6, 1987 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 AEP Fund in Electric Power Systems Engineering (contd)

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 electrical engineering education.

Sabatino Research Fund for Cystic Fibrosis

The Sabatino Research Fund for Cystic Fibrosis was established March 6, 1987, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from Janet R. and Thomas R. Sabatino in honor of Laura Rings.

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 shall be used to support cystic fibrosis research in The Ohio State University Department of Pediatrics at The Columbus Children's Hospital under the direction of Dr. Gordon Young or his successor.

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 College of Medicine.

Helen Earnhart Harley Creative Writing Fellowship Award

The Helen Earnhart Harley Creative Writing Fellowship Award was established March 6, 1987, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from Theodore H. Harley of Pittsburgh, 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 and reinvest as occasion dictates.

The annual income shall be used to create an award for an outstanding Ohio State University student in creative writing. The amount of the award shall be no less than \$1,000 in any given year. The recipient of the award shall be selected by a committee of faculty in creative writing, and any additional faculty deemed appropriate. The committee shall be appointed by the Chairperson of the Department of English.

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

March 5 and 6, 1987 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

Establishment of Named Funds (contd)

Helen Earnhart Harley Creative Writing Fellowship Award (contd)

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 College of Humanities.

The Virginia Hull Research Award

The Virginia Hull Research Award was established March 6, 1987, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from Virginia Hull 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 shall be used to provide research support to women faculty members in the College of Humanities who are at the ranks of assistant or associate professor. One annual award will be made in the amount of \$1,500. As with other segments of the Humanities Fund, the Virginia Hull Research Award will be administered by a special committee of the College of Humanities which will include the donor or her representative and which will be chaired by the Associate Dean 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 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 College of Humanities.

The Edward F. Wagner Scholarship Fund

The Edward F. Wagner Scholarship Fund was established March 6, 1987, by the Board of Trustees of The Ohio State University with gifts from Nationwide Foundation and Edward F. Wagner. Mr. Wagner is a former member of the Board of Directors of The Ohio State University Development Fund, was chairman of that Board in 1977 and 1978, and received the University's Distinguished Service Award for service to the University and the community in 1978.

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 shall be used to provide financial aid to students from Adams, Lawrence and Scioto (Ohio) counties who demonstrate financial need and display leadership potential. Selection of the recipients shall be made by the University Committee on Student Financial Aid.

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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 Edward F. Wagner Scholarship 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 student financial aid.

The Deacon-Firebaugh Graduate Fellowship

The Deacon-Firebaugh Graduate Fellowship was established March 6, 1987, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from Ruth E. Deacon, Francille M. Firebaugh and friends to recognize the longstanding co-authorship of texts in the family resource management field.

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 shall be used to provide a graduate fellowship(s) in the College of Home Economics, Department of Family Resource Management. Students currently enrolled in the department, or applying, are eligible and may receive the award in consecutive years. The recipients will be students with good academic standing and potential for contributions to the field of family resource management. The recipients will be chosen by the Department of Family Resource Management, in consultation with 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 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 College of Home Economics.

The Professor Charles Clements Morris Mathematics Endowment

The Professor Charles Clements Morris Mathematics Endowment was established March 6, 1987, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from an anonymous donor in honor of Professor Charles Clements Morris, Professor of Mathematics from 1908 to 1945.

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.

March 5 and 6, 1987 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 Professor Charles Clements Morris Mathematics Endowment (contd)

The annual income shall be used for needed and worthy projects in the Department of Mathematics in such a way as to bring honor to and perpetuate the memory of Professor Charles Clements Morris. Preference shall be given to providing assistance to undergraduate mathematics majors and to high school graduates intending to become mathematics majors who: a) have achieved or are likely, based on their high school records, to achieve an overall G.P.A. of at least 3.25 in mathematics; b) intend to become high school teachers of mathematics; c) would otherwise be financially unable to enroll or continue their enrollment at The Ohio State University. All expenditures from the fund shall be initiated by the Chairperson of the Department of Mathematics and approved by the Dean of the College of Mathematical and Physical Sciences, in consultation with 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 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 Department of Mathematics.

The John McKitrick Family Fund

The John McKitrick Family Fund was established March 6, 1987, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from John and Ann McKitrick. Their daughters, Mindy McKitrick Roberts and Mary McKitrick Reames, have each arranged for deferred gifts of \$200,000.

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 shall be divided into percentages and distributed as follows. Each of the following areas is to receive 10% of the annual interest income: College of Agriculture (Department of Dairy Science, Dairy Cattle Judging Team), College of Home Economics, 4-H Support Fund, Mershon Center, and WOSU. The Department of Athletics is to receive 50% of the annual interest income. The interest income is to be used by the head of each area in any way they see fit to maintain or improve their level of excellence.

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 various areas mentioned above.

March 5 and 6, 1987 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 Claude E. Altenburg, Jr., Award

The Claude E. Altenburg, Jr., Award was established March 6, 1987, 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 Claude E. Altenburg, Jr., B.S.Pharm.'43, formerly 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 shall be awarded to one or more graduate or undergraduate students enrolled in the College of Pharmacy. Criteria for the award shall be established by the Awards, Financial Aid, and Scholarship Committee within the College of Pharmacy. Awards recipients will be chosen by this committee in consultation with 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 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 College of Pharmacy.

Change of Name and Description of Named Fund

**Julia I. Dalrymple
O.S.U. Home Economics Education Endowed Research Fund**

The Julia I. Dalrymple O.S.U. Home Economics Education Endowed Graduate Fellowship was established February 3, 1978, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from Julia I. Dalrymple, Ph.D. '53, Columbus, Ohio. The name and description were changed March 6, 1987.

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 \$10,000. At that time the income shall be used to provide research support in Home Economics Education. Expenditures from the fund shall be approved by the Home Economics Education Graduate Faculty.

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

March 5 and 6, 1987 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)

Julia I. Dalrymple
O.S.U. Home Economics Education Endowed Research Fund (contd)

University who is then directly responsible for Home Economics Graduate Study.

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**REQUEST FOR CONSTRUCTION BIDS AND
ESTIMATE OF COST-FUNDING
PRESSEY HALL REMODELING**

Resolution No. 87-98

Synopsis: Authorization to request construction bids is proposed.

WHEREAS the plans and specifications for this project have been completed and, at the request of the Vice President for Business and Administration, the President recommended that the Board of Trustees authorize the request for construction bids:

Project: Remodeling selected spaces in Pressey Hall to provide administrative support space, faculty and staff offices, teaching and research laboratories and a Speech Language and Hearing Clinic for the Department of Communication, College of Social and Behavioral Sciences as a part of the West Campus Relocation Plan.

Authorization to employ an architect/engineer was given February 7, 1986.

Funding: HB 870 U & R and University Funds

Estimated Construction Cost: \$ 820,000.00

Estimated Project Cost: \$1,015,000.00

NOW THEREFORE

BE IT RESOLVED, That the President and/or Vice President for Business and Administration 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 contracts, with all actions to be reported to this Board at the appropriate time.

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

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March 5 and 6, 1987 meeting, Board of Trustees

**REQUEST FOR CONSTRUCTION BIDS AND
ESTIMATE OF COST-FUNDING
LORD/HOPKINS RENOVATION
RELOCATION OF ART LABORATORY**

Resolution No. 87-99

Synopsis: Authorization to request construction bids is proposed.

WHEREAS the plans and specifications for this project have been completed and, at the request of the Vice President for Business and Administration, the President recommended that the Board of Trustees authorize the request for construction bids:

Project: Remodeling of existing Suite 019 of Lord Hall to accommodate the majority of the Department of Art's printmaking facility. The teaching laboratories presently in Scott Hall will be moved to Hopkins Hall, after Hopkins Hall is renovated, and will occupy the space vacated by the print-making operation.

Authorization to employ an architect/engineer was given on February 7, 1986.

Funding: HB 870 U & R and University Funds

Estimated Construction Cost: \$500,000.00

Estimated Project Cost: \$625,000.00

NOW THEREFORE

BE IT RESOLVED, That the President and/or Vice President for Business and Administration 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 contracts, with all actions to be reported to this Board at the appropriate time.

Upon motion of Mr. Immke, seconded by Mr. Kessler, 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. 87-100

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, in accordance with established University procedures, to request

March 5 and 6, 1987 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)**

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:

WEXNER CENTER FOR THE VISUAL ARTS - PHASE II

Description: This phase of the project involves the actual construction of the Wexner Center for the Visual Arts which will be a showcase for the University's collections. The Center will also provide the citizens of our community with local, national and international public programs and exhibitions. Construction is scheduled to begin in the spring of 1987 and be completed in the fall of 1989.

General Contract

Date Received:	December 10, 1986
No. of Bids:	5
Low Bid:	\$14,871,000.00*+
High Bid:	\$16,099,000.00*
Estimate of Cost:	\$13,919,850.00*
Awarded to:	Dugan and Meyers Construction Co., Cincinnati, OH

Plumbing Contract

Date Received:	December 10, 1986
No. of Bids:	6
Low Bid:	\$ 716,800.00*+ ++
High Bid:	\$ 945,567.00*
Estimate of Cost:	\$ 497,880.00*
Awarded to:	Radico, Inc., Columbus, OH

*Recommended alternates reflected in these figures.

+General and Plumbing contracts are in excess of filed estimate of cost; however, the total price of all contracts is within 10% of the total estimate of cost and is recommended for award as provided by Section 153.12 of the Revised Code.

++Low bidder withdrew its bid due to clerical error; awarded to second low bidder.

March 5 and 6, 1987 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)**

WEXNER CENTER FOR THE VISUAL ARTS - PHASE II (contd)

HVAC Contract

Date Received:	December 10, 1986
No. of Bids:	6
Low Bid:	\$ 2,176,777.00*
High Bid:	\$ 2,656,000.00*
Estimate of Cost:	\$ 2,195,670.00*
Awarded to:	ATF Mechanical, Columbus, OH

Electric Contract

Date Received:	December 10, 1986
No. of Bids:	3
Low Bid:	\$ 3,246,850.00*
High Bid:	\$ 3,778,350.00*
Estimate of Cost:	\$ 3,397,200.00*
Awarded to:	Romanoff Electric Corp., Dublin, OH

Total All Contracts \$21,011,427.00*

Total Contingency Allowance: \$ 1,050,571.36 (which is 5 percent of construction costs)

Total Moveable Equipment: \$ 1,692,500.00

Total Project Cost: \$28,482,942.00*

Funding: Contributions to The Ohio State University Development Fund

*Recommended alternates reflected in these figures.

Alternate 27 - Sprinkler Protection for Art Storage Room 093 in the amount of \$15,500.00 and **Alternate 28** - Sprinkler Protection for Art Storage Rooms in the amount of \$7,000.00 are in the process of being added to the contract. Recommended prime contractors have agreed to hold their prices on all remaining alternates through March 23, 1987.

BIOTECHNOLOGY CENTER PHASE I - RIGHTMIRE HALL

Description: This phase of the project involves the remodeling of a portion of the second floor of Rightmire Hall to provide office and administrative space, research laboratory space, and spaces for certain

March 5 and 6, 1987 meeting, Board of Trustees

REPORT OF AWARD OF CONTRACTS AND
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)

BIOTECHNOLOGY CENTER PHASE I - RIGHTMIRE HALL (contd)

research laboratory services critical to the initial establishment of a major Biotechnology Center.

Demolition Contract

Date Received:	December 9, 1986
No. of Bids:	10
Low Bid:	\$ 144,870.00 ⁺⁺
High Bid:	\$ 185,880.00
Estimate of Cost:	\$ 192,000.00
Awarded to:	O B Construction, Columbus, OH

Construction - General Contract

Date Received:	January 27, 1987
No. of Bids:	6
Low Bid:	\$ 577,000.00
High Bid:	\$1,200,000.00
Estimate of Cost:	\$ 614,475.00
Awarded to:	Mid-State Builders, Columbus, OH

Construction - Plumbing Contract

Date Received:	January 27, 1987
No. of Bids:	5
Low Bid:	\$ 253,350.00 ⁺
High Bid:	\$ 298,000.00
Estimate of Cost:	\$ 214,800.00
Awarded to:	Diewald & Pope, Columbus, OH

⁺Plumbing Contract and HVAC Contract are in excess of filed estimate of cost; however, the total price of all contracts is less than the total estimate of cost and is recommended for award as provided by Section 153.12 of the Revised Code.

⁺⁺Low bid not accepted as bid not properly submitted; awarded to second low bidder.

March 5 and 6, 1987 meeting, Board of Trustees

REPORT OF AWARD OF CONTRACTS AND
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)

BIOTECHNOLOGY CENTER PHASE I - RIGHTMIRE HALL (contd)

Construction - HVAC Contract

Date Received:	January 27, 1987
No. of Bids:	7
Low Bid:	\$ 335,600.00 ⁺
High Bid:	\$ 452,000.00
Estimate of Cost:	\$ 248,715.00
Awarded to:	R. M. Giehl, Columbus, OH

Construction - Electric Contract

Date Received:	January 27, 1987
No. of Bids:	7
Low Bid:	\$ 256,199.00
High Bid:	\$ 365,500.00
Estimate of Cost:	\$ 438,600.00
Awarded to:	Buckeye Electric, Dayton, OH

Total All Contracts (Base):	\$1,422,149.00
Total all Contracts with accepted alternates:	\$2,050,966.00
Total Equipment:	\$1,297,162.00
Total Contingency Allowance:	\$ 205,417.00 (which is 10 percent of construction costs)
Total Project Cost:	\$4,100,000.00
Funding:	University Funds

⁺Plumbing Contract and HVAC Contract are in excess of filed estimate of cost; however, the total price of all contracts is less than the total estimate of cost and is recommended for award as provided by Section 153.12 of the Revised Code.

REGIONAL CAMPUS ROOF REPLACEMENT 1986
MANSFIELD/MARION

Description: This project involves the replacement of deteriorated roofs on Ovalwood Hall and Bromfield Hall at the Mansfield Regional Campus and

March 5 and 6, 1987 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)**

**REGIONAL CAMPUS ROOF REPLACEMENT 1986
MANSFIELD/MARION (contd)**

on Morrill Hall at the Marion Regional Campus. Construction is scheduled to begin in the spring of 1987 and be completed within six months.

General Contract - Mansfield Campus

Date Received:	January 13, 1987
No. of Bids:	7
Low Bid:	\$206,932.00**
High Bid:	\$275,990.00*
Estimate of Cost:	\$203,620.00*
Awarded to:	J B & Company, Inc., Tiffin, OH

General Contract - Marion Campus

Date Received:	January 13, 1987
No. of Bids:	7
Low Bid:	\$115,802.00
High Bid:	\$153,822.00
Estimate of Cost:	\$135,720.00
Awarded to:	Industrial First/Bright Co., Columbus, OH

Total All Contracts: \$322,734.00*

Total Contingency Allowance: \$ 20,976.82 (which is 6.5 percent of construction costs)

Total Project Cost: \$352,315.00*

Funding: HB 870 U & R

*Recommended alternate reflected in these figures.

+General Contract - Mansfield - is in excess of filed estimate of cost; however, the total price of all contracts is within 10% of the total estimate of cost and is recommended for award as provided by Section 153.12 of the 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 approved.

March 5 and 6, 1987 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)**

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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REAPPOINTMENT OF INVESTMENT ADVISORS

Resolution No. 87-101

Synopsis: Reappointment of Investment Advisors is proposed.

WHEREAS it is the policy of The Ohio State University to utilize the services of external Investment Advisors to assist in the management of the University's Endowment Fund; and

WHEREAS the Fiscal Affairs Committee of the Board of Trustees periodically reviews the results obtained by external Investment Advisors and the amount of funds assigned to each of them; and

WHEREAS it is prudent investment policy to adjust the mix and amounts of money assigned to external Investment Advisors as economic conditions change; and

WHEREAS the number of external Investment Advisors and the amount of funds assigned to them shall be determined by the Board of Trustees:

NOW THEREFORE

BE IT RESOLVED, That upon the recommendation of the Fiscal Affairs Committee of the Board of Trustees the following named external Investment Advisors shall be reappointed to counsel in the management of Endowment Fund investments totaling the initial amounts indicated:

Centerre Trust Company	\$20,000,000
The Chicago Corporation	\$25,000,000
Neuberger & Berman Mutual Funds:	
Energy Fund	\$ 2,000,000
Guardian Fund	\$ 2,000,000
Partners Fund	\$ 1,000,000
Nicholas-Applegate Capital Management	\$10,000,000
Siebel Capital Management, Incorporated	\$21,000,000
STW Fixed Income Management, Incorporated	\$20,000,000

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

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March 5 and 6, 1987 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**

Resolution No. 87-102

Synopsis: The reaffirmation of Board of Trustees Resolution No. 83-96 (March 4, 1983), which authorized 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 University, 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 Administration and/or the Treasurer be authorized and empowered to buy, sell, assign and transfer any and all stocks, bonds, 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 Administration and/or 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 Administration 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. Immke, seconded by Mr. Berry, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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March 5 and 6, 1987 meeting, Board of Trustees

STUDENT HEALTH INSURANCE

Resolution No. 87-103

Synopsis: Renewal of the Student Health Insurance Program with Central Benefits Mutual Insurance Company, formerly known as Blue Cross of Central Ohio, is proposed.

WHEREAS on April 5, 1985, this Board awarded a two-year competitively bid contract (effective Autumn Quarter 1985) to provide Student Health Insurance; and

WHEREAS after consideration of the desires and concerns of the students who purchase the insurance, the Student Health Insurance Committee of the Council on Student Affairs has recommended -- and the full Council on Student Affairs has ratified this recommendation -- that the renegotiated contract continue to provide the existing benefits plus the following improved benefits:

Increase the daily semi-private hospital room and board rate from \$195 to \$210 for 1987-88.

Increase the preventive dental benefit for x-rays, if needed, from \$20 to \$30.

Increase the surgical fee for removal of impacted teeth
Covered by bone from \$60 to \$75
Soft tissue from \$50 to \$60

Add a benefit of \$50 for general anesthesia for the removal of impacted teeth.

Add a benefit for endodontic root canal
\$50 for one per tooth
\$75 for two per tooth
\$112.50 for three per tooth

WHEREAS this program will be available on an optional basis to all registered students for the following proposed Quarterly Premium Rates:

<u>Classification</u>	<u>Expiring Quarterly Rates</u>	<u>Proposed Quarterly Rates</u>
	<u>1986-87</u>	<u>1987-88</u>
Student	\$ 51	\$ 55
Student and Spouse	151	163
Student, Spouse and Children	218	236
Student and Children	117	127

NOW THEREFORE

BE IT RESOLVED, That Central Benefits Mutual Insurance Company be awarded the renegotiated Student Health Insurance contract effective the first day of classes, Autumn Quarter 1987 for a period of one year. The contract will provide the benefits outlined above as well as those now available under the terms of the current contract.

March 5 and 6, 1987 meeting, Board of Trustees

STUDENT HEALTH INSURANCE (contd)

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

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REPORT - UNIVERSITY'S INVESTMENT PORTFOLIO

Resolution No. 87-104

RESOLVED, That the report on the University's Investment Portfolio, dated February 20, 1987, 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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**QUARTERLY REPORT -
WAIVERS OF COMPETITIVE BIDDING REQUIREMENTS**

Resolution No. 87-105

RESOLVED, That the quarterly report on the Waivers of Competitive Bidding Requirements, dated October through December 1986, 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, April 2, 1987, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, at 6:30 p.m.

Attest:

Madison H. Scott
Secretary

Edmund C. Redman
Vice Chairman

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APPENDIX III

Degrees Conferred at

THE OHIO STATE UNIVERSITY
COMMENCEMENT CONVOCATION

March 20, 1987

Commencement Speaker

John P. Hirth

John P. Hirth is a professor in the Department of Metallurgical Engineering who is one of the most distinguished metallurgists in the world today. Hirth's work concerns the fundamental properties of metals—how and why they fracture. His ideas have contributed to an improved understanding of the properties of alloys and have led to many applications in industry.

Professor Hirth received his B.S. and M.S. degrees in metallurgical engineering from Ohio State and his Ph.D. degree from Carnegie Institute of Technology (now Carnegie-Mellon University). He was a Fulbright Research Fellow at Bristol University in England and has taught at Carnegie, Stanford, the University of Mexico, and Oslo University in Norway. In 1961, Hirth was appointed as Mershon Associate Professor of Materials Science and Metallurgical Engineering at Ohio State.

Hirth is the author or coauthor of more than 290 articles and the coauthor of two books, as well as serving as editor of several others. His service to Ohio State includes participation in many University-wide committees and councils, including the Board of Directors of The Research Foundation and the University Promotion and Tenure Committee. Hirth also is a member of the Carnegie-Mellon University Visiting Committee.

He was named a Fellow of the American Society of Metals in 1971 and was elected to the National Academy of Engineering in 1974. Hirth has been honored with Ohio State's highest research awards, including the University Distinguished Scholar Award and the College of Engineering Distinguished Research Award. He has earned recognition for teaching excellence as well with the Mars G. Fontana Teaching Award and the MacQuigg Teaching Award.

Since 1974, Professor Hirth has been editor of *Scripta Metallurgica*, a leading professional journal, and has advised various federal agencies and laboratories, including the Department of Defense, the National Science Foundation, the National Bureau of Standards, Battelle Memorial Institute, and the Los Alamos National Laboratory Center for Materials Science. The University is very pleased to welcome this distinguished faculty member and alumnus as commencement speaker today.

Recipients of Honors

Alfred D. Chandler, Jr. Doctor of Humane Letters

Alfred D. Chandler, Jr. is the Straus Professor of Business History at Harvard University. He is widely recognized as the world's leading figure in the study of business history and has done much to clarify and explain the development patterns of American business firms and their effect on history. His approach to history, known as the "organizational synthesis," has influenced the teaching of history and other academic fields at Ohio State and across the nation.

Professor Chandler received his A.B., M.A., and Ph.D. degrees from Harvard University. He has taught at the Massachusetts Institute of Technology, Johns Hopkins University, and at Harvard University since 1970. His book, *The Visible Hand: The Managerial Revolution in American Business*, incorporating his research and scholarship, received the Bancroft and Pulitzer prizes and has stimulated a reinterpretation of American history.

Recently retired from active teaching, Chandler has trained numerous graduate students, many of whom are now leading business historians. He has written or coauthored four major books in his field and has written several chapters in books, articles, essays, and book reviews for numerous journals. While at Johns Hopkins University, Professor Chandler was the editor of the Eisenhower Papers and served as one of its trustees from 1971 to 1981.

In addition to his scholarly pursuits, he has served on the executive board of the Organization of American Historians; on the editorial boards of *Business History Review*, *Strategic Management Journal*, and the *New England Quarterly*; and is a trustee of the Eleutherian Mills Hagley Foundation. Chandler was the chairman of the Historical Advisory Committee for the U.S. Atomic Energy Commission from 1969 to 1977.

Professor Chandler has received honorary degrees from the University of Leuven, the University of Antwerp, and Babson College. He is currently in the latter stages of a comparative study of business firms from around the world—work which promises to provide all modern historians with important new ways of understanding our past and present conditions. The Ohio State University is very proud to confer its highest award upon this distinguished teacher, researcher, and scholar.

Yoshiyuki Funatsu Doctor of Engineering

Yoshiyuki Funatsu is vice president of All Nippon Airways, Japan's largest domestic carrier and fifth-largest passenger service in the world. He is acknowledged as an international leader in the application of flight safety measures to commercial aircraft.

Mr. Funatsu pursued his graduate work in aeronautical engineering as a Fulbright Scholar at The Ohio State University in the early 1950s. He was one of the first Japanese engineers to study jet engines in the United States after World War II.

While in this country, he had frequent contact with the Civil Aviation Authority (now the FAA), which led to the formation of the Japanese counterpart, the Japan Civil Aeronautics Board. While with the JCAB, Mr. Funatsu developed farsighted safety regulations and procedures which are still in effect today. During the past decade, he has had major responsibilities for the introduction of wide-body commercial aircraft to Japanese domestic service.

Today, Mr. Funatsu serves on several government and industrial councils in Japan, including committees for the Ministry of International Trade and Industry. He is also managing director of both the New Japan Aircraft Maintenance Company, Ltd., and Japan Aircraft Manufacturing Company, Ltd. Mr. Funatsu was president of the International Federation of Airworthiness, and he has an extensive list of publications and lectures on airlines maintenance, flight safety, and the future of aviation to his credit.

Mr. Funatsu has amply demonstrated outstanding technical and managerial skills, which have earned him great respect as a leader in the international airline industry. We take pride in this alumnus who has put his knowledge to work for the benefit of this industry and the safety and comfort of the worldwide traveling public. Ohio State is very pleased to recognize Yoshiyuki Funatsu with the honorary degree, Doctor of Engineering.

Recipients of Honors

Ullrich Georg Trendelenburg Doctor of Science

Ullrich Georg Trendelenburg is the Ordentlicher Professor at the Institute for Pharmacology and Toxicology of the University of Wurzburg in the Federal Republic of Germany. He is a world renowned scholar in pharmacology and biomedical science, noted for his contributions in researching and explaining drug actions on the nervous systems.

Born in Gehlsdorf, Germany, Professor Trendelenburg received his M.D. from the University of Gottingen, his Ph.D. degree in pharmacology from Oxford University, and Master of Arts Honors from Harvard University. He taught pharmacology at Harvard Medical School for more than ten years before joining the University of Wurzburg in 1968.

For more than 35 years, Trendelenburg has been concerned with improving the quality of pharmacological research and education at the international level. His research has directly influenced many young scientists in the United States and abroad, particularly in the understanding of information transmission in the nervous system and the effect drugs have on that system.

Trendelenburg is currently managing editor of the *Naunyn-Schmiedeberg's Archives of Pharmacology*, associate editor of *Pharmacological Reviews* and *Trends in Pharmacological Sciences*, and past president of the German Pharmacological Society. He has over 150 publications to his credit.

Dr. Trendelenburg has received honorary degrees from Tampere University in Finland and from Porto University in Portugal. He is an honorary member of the pharmacological societies of Poland, India, and Czechoslovakia. Ohio State is proud to recognize this outstanding scientist, scholar, and educator.

The Graduate School

Dean: Roy A. Koenigsnecht

Doctor of Philosophy

Abdelaziz Makkawi Abdelrahman, Khartoum, Sudan Republic; B.S. (West Pakistan Agriculture University); M.S. (University of Agriculture, Pakistan); M.S.; *Animal Science*
Dr. George R. Wilson

Younis Yousef Abu-Ghalyun, Zerka, Jordan; B.S. (Yarmouk University); *Zoology*
Dr. Lewis Greenwald

Abdul Wahab Al-Dhafiri, Kuwait, Kuwait; B.S. (Kuwait University); M.S.W. (Tulane University); *Social Work*
Dr. Beverly G. Toomey

Jeffrey Dale Alder, Madison, WI; B.S., M.S.; *Microbiology*
Dr. Julius P. Kreier

Sayel Ali Ahmad Ali, Columbus; B.S. (University of Jordan); M.S. (University of Dundee/Dundee, United Kingdom); *Mathematics*
Dr. Bogdan Baishanski

Kamaruzaman Ampon, Serdang Selangor, Malaysia; B.S. (University of Lancaster, England); M.S. (University of York, England); *Biochemistry*
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William Joseph Blatcher, Harrison, NJ; B.S. (Rensselaer Polytechnic Institute); *Mathematics*

Barbara Ann Bonke, Columbus; B.S. (Valparaiso University); *Allied Medical Professions*

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Michael Paul Capparelli, Valley Stream, NY; A.B. (Cornell University); *Chemistry*

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- Witman Rasyid**, Bengkulu, Indonesia; B.S. (Fak. Pertanian Unja); *Agricultural Economics and Rural Sociology*
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Jill Burnet Whalen, Dayton; B.S.N. (Illinois Wesleyan University); *Nursing*

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Susan Lynn Hubbard, Loveland
Susan Lynn Hura, Boardman
Scott Walter Johnson, Canfield
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Jonathan Leonard Liss, Hollywood, CA
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Tracey Lynn Miller, Hamilton
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Mary Catherine Russell, Delaware
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David Paul Hedrick, Maple Heights
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Bachelor of Science

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Anita Ellen Cabbell, Institute, WV
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 Brian Keith Richardson, Canton
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 Robert Bradley Stevenson, Columbus
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 Emily Michele Verhoff, Columbus

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 Dale Alan Weideling, Bay Village
 Robyn Renée Williams, Columbus
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Bachelor of Science

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Bryna Lee Bass, Cincinnati
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Shelley Lynn Briley, Crownpoint, NM
Kathryn Ann Campbell, Washington Court House
Bryan Arthur Champion, Bluffton
Rutherford Clabaugh, Lockbourne
Karen Ann Cloyd, Columbus
Richard Carle Conrad, Monroe
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Carl Andrew Wittenauer, Jr., Hubbard
Jay Lynn Woodworth, South Vienna
Scott Andrew Young, Mansfield
Bruce Paul Zimmer, Marietta

Bachelor of Science in Food Science

Shirley Denise Barte, Cleveland
Lisa Frances Davis, Bellefontaine
Jeff Wayne Liebrecht, Delphos
Maureen Annette Pollock, New Albany

Bachelor of Science in Food Technology

Thomas Brogan Doody, Port Clinton
Brent Wayne Eichar, Columbus

School of Natural Resources

Bachelor of Science in Natural Resources

Verdie Jay Abel, Cincinnati
Kenneth Houston Bebout, Gambier
Charles J. Bill, Cincinnati
Barbara Ann Butler, Berea
Robert Leonard Carlson, Warren
Sherry Lynn Christian, Columbus
Daniel Lee Dardio, Wapakoneta
John Kevin Deet, Cleveland Heights
Wendy Sue Hanna, Mt. Gilead
Deborah Lynn Heineman, East Amherst, NY
David Benjamin Kirshen, Marion
Treva Jean Knasel, Columbus
Raymond Stanley Royak, Jr., Parma
Jill Janette Schweiger, Williamsburg
Robert Louis Tartell, Reynoldsburg
Jeffrey Douglas Yingling, Columbus

Agricultural Technical Institute - Wooster

Associate in Applied Science

Lori Lee Ballenger, Marion
Brian Thomas Bowman, Elida
Dale R. Bradshaw, Avon
Kevin Ray Chenetski, Pickerington

Michael Scott Daugherty, Wooster
Lyn Alan Davidson, Quincy
Kelly Edward Evans, Massillon
Brian David Freeman, Wellington
Thomas Joseph Frey, Lyndhurst
Jeffrey William Hambleton, Willoughby Heights
Douglas William Hoffman, Marion
Mary Elizabeth Hopkins, Millersburg
Jane E. Kehl, Louisville
Denise Lynn Klein, Elyria
Blaine William Kohler, Wapakoneta
Joel Patrick Korte, Medina
Todd Loren Layman, Fresno
Kristin William Little, Killbuck
James Leroy Ludwig, Bryan
Douglas John Majors, Middletown
Lynn Rae McClure, Mantua
Rodney Alan Moulin, Alliance
Anna Marie Myroniak, Parma
Mary Michele Patterson, Millersburg
Bruce C. Paul, Massillon
Bruce Charles Rawson, Akron
Jeffrey Scott Raynor, Wadsworth
Robert William Scheiderer, Milford Center
William Thomas Schroeder, Mansfield
Tracy Lynn Schuessler, Wooster
Tim Andrew Schwab, Oxford
Kimberly Anne Spock, Imperial
Jason Bruce Steiner, Smithville
Jeff Alan Swope, North Lima
Vernon Eugene Tenney, Norton
Steven James Vaske, Medina
Daniel James Walter, Northfield
Mark Steven Warman, Lakewood
Constance Marie Weber, Canton
Valerie Lynn Wells, Gnadenhutzen
Robert Roy Wilkins, Wooster
Anthony John Wise, Hartsville

College of Business

Dean: H. Justin Davidson

Bachelor of Science in Business Administration

Nor Khalidah Abu, Johor, Malaysia
Monique Yvette Adair, Akron
Hassan Ahmad Akarri, Beirut, Lebanon
Demitriche Gizelle Alberson, Columbus
James Makoto Alger, Cleveland
Heike Allmann, Darmstadt, Germany
Howard Lee Ammons, Findlay
Douglas C. Anderson, Farmington Hills, MI
Gary James Bachinski, Upper Arlington
Robert C. Badgley, Hamilton
Melissa Laurie Barnett, Warren
Ira Allen Barte, Cleveland
Richard Campbell Bartels, Girard
Scott Lemond Basinger, Marion
Brent Richard Baumgardner, Coshocton
Nora Rita Berkulis, North Olmsted
Steven Phillip Bernstein, Dayton
Mary Karen Bilotta, Fairfield

Arun Kumar Biswas, South Bend, IN
Michael James Born, Columbus
Robert Joseph Boros, Richmond Heights
Sharon K. Bramel, Lenore, WV
Jon David Brausch, Avon Lake
Annette Marie Bricker, Grove City
Brian Andrew Brigner, Dublin
Jodi Lynn Brinksneider, Mt. Sterling
Beritt Mylene Brown, Deer Park, NY
Eduardo Savoryral Bryant, Columbus
Gregg Raymond Budoj, Rocky River
Brenda Lee Butler, Worthington
Lorrita Marie Butts, Cleveland Heights
David Callaghan, Columbus
James Michael Canterucci, Niles
C. Thomas Joseph Capuano, Jr., Columbus
Patricia Anne Cash, Columbus
Ronald Matthew Chapman, Portsmouth
Kee Hin Chua, Singapore, Republic of
Singapore
Joseph Shih Hau Chung, Singapore,
Republic of Singapore
William Douglas Clegg, North Olmsted
Tyron Drew Coleman, Powell
Tracey Lynne Collins, Carroll
Kevin Douglas Comer, Tiffin
Maureen Rita Conley, Newark
Jennifer Lee Cormany, Waverly
Paul Randal Corns, Bucyrus
Brian Keith Cunningham, Blacklick
Russell Warren Curtis, Columbus
Gregory Paul Dallas, Harbor, PA
Susan Fielder Darron, Rush, NY
Tyler David Daubenmire, Worthington
Douglas Edward Davidson,
Greenwich, CT
Gregory Scott Davis, Oyster Bay, NY
Thomas Alan Davis, Perrysburg
Michael Dean Deerhake, Lebanon
Rose Ann De Lay, Groveport
Christopher Charles DeLeo, Dublin
Anthony Camillo DelMonte, Columbus
David Gene Dennis, Spokane, WA
Scott Christopher Dennison, Mansfield
John Kenneth Dieker, Columbus
Dianna Grace Durr, New Bavaria
Brenda Lynn Dodge, Middlebury, CT
Michael Patrick Downs, Grosse Pointe
Farms, MI
William Patrick Doyle, Canton
Marsha Jean Drushal, Hebron
John Deno Duros, Upper Arlington
John Paul Duza, Novelty
Steven Craig Eldridge, Westerville
Ziad Antoun El-Tayah, Beirut, Lebanon
Steven Fain, Columbus
Helen A. Farrington, Flushing, NY
Robert Lloyd Fetters, Jr., Coshocton
Laura Kay Firestone, Tallmadge
Mark Andrew Fischer, Newark
James Stephen Francik, Columbus
Stephen James Franz, Hebron
David Darrin Fumi, Canfield
Mary A. Gallina, Cincinnati
John Eric Garber, Centerville
R. Michael Gauch, Columbus
Joseph Arthur Gift, Orrville
John Robert Gilkey, Cincinnati
Robert James Given, North Olmsted

Blake White Godard, Akron
Robert Joseph Goddard, Mentor
Frank Howard Gordon, Columbus
Jill Alison Grace, Marietta
John W. Graham, Toledo
Amy Marie Grathwol, Sandusky
Susan Gail Greer, Delaware
Scott R. Griffin, North Canton
Kelvin Bouvier Grimes, Dayton
Beth Nichols Grisemer, Cincinnati
Amelia Ellen Gulick, Hebron
Jane Ellen Haas, Caledonia
William Thomas Haase, Columbus
Allan S. Hall, Vermilion
Zina Charmain Hamilton, Columbus
Steven Clark Harris, Fairport, NY
Jerome Robert Hasbrook, Canal
Winchester
Cheryl Faye Grigsby Hayes, Dayton
Laurie Lee Hayes, Columbus
Robert Oen Hayzlett, Wapakoneta
Scott Alan Hazlett, Westerville
Lorie Ann Heffley, Newark
Linda Kay Henner, West Chester
Harry L. Henning III, Columbus
John W. Hepperle, Westerville
Jacqueline Wei-Yen Ho, Kuala Lumpur,
West Malaysia
Patrick E. Hoertt, Centerville
Robin Sue Honnold, Pataskala
Thomas Clement Horwath, Kettering
Todd Alan Houmard, Wooster
Susan Lynn Housel, Jefferson
Patricia Lynne Hoyer, Worthington
John David Hritz, Boardman
Christopher John Hubman, University
Heights
Jane Ann Hundsrucker, Toledo
James Aaron Hunley, Reynoldsburg
Kathi Annette Hunter, Columbus
Omar Kalid Igram, Shaker Heights
Donna Lynn Jamison, Medina
Elizabeth Anne Johnston, Cincinnati
Samuel Henry Jones, Westerville
Steven Charles Joseph, Beachwood
Sharon Elaine Jung, Sidney
Susan Elaine Kayser, Pittsburgh, PA
Brenda Sue Kemper, Columbus
Steven Jerome Kershner,
Martinsburg, WV
Gerald Wayne Kesselring, Cincinnati
Peter David Kevdzija, Westlake
Richard A. Kirby, Salem
Uran Kleosakul, Columbus
Karla L. Klotz, Cincinnati
Connie Ruth Knox, Raymond
John Frederick Kope, Euclid
Connie Lynn Kotnik, Elyria
Kathleen Anne Kovach, Westerville
John Michael Landwehr, Lima
Constance Ann Larsen, Columbus
Therese Ann Lenzo, Kent
John C. Lim, Akron
Shirley Ling Ling Lim, Singapore,
Republic of Singapore
Alexander Liu, Columbus
Scott Alan Long, Latham
Joanne Elizabeth Loos-West, Coshocton
Frank Victor Lorubio, Struthers

Brian Lowry, Youngstown
Kelley S. Mackey, Port Clinton
Clara Ellen Magoto, Dayton
Lisa Ann Mamula, Steubenville
Edward DeLong Mangie, Poland
Richard Manwaring, Troy
Brian Nicholas Marsh, Columbus
Randal Jay Martin, Wintersville
Michael Stephen Mayers, Pepper Pike
Ernest Dwight Mayse, Newcomerstown
Christine Marie McConnell, New London
Heather Carole McKenzie, Broadview
Heights
Jeffrey Scott McNaughton, Howard
Adam V. Miller, Worthington
Duane Daniel Miller II, Edgerton
Julie Anne Miller, Marietta
Eugene Girden Murgage II, Cincinnati
Deborah Gayle Mullins, Gallipolis
Lawrence Thomas Murnane, Galway
Kimberly Kay Murphy, Hebron
Donald Ferguson Murray, Marietta
David Lee Nagorski, Columbus
Nhan Huu Nguyen, Columbus
Gregory Phillip Niehoff, Gahanna
Scott Timothy Novak, Columbus
James David Olson, West Chester,
Teresa Bernadette Pachuta, Sandusky
Tama Lynn Pack, Mansfield
Julianne Maria Paesano, Columbus
Michael Joseph Perez, Columbus
Philip David Peters, Defiance
Anthony Michael Pfenning, Bainbridge
Michael Joseph Piatek, Tampa, FL
Kristin Wesley Pittenger, Shelby
Paige Pittman, New Paris
Lorelei Kennedy Plaskett, Canton
Vincent Thomas Pugh, Columbus
John Thomas Reed, Jr., Grandview
Heights
Kenneth Franklin Reed, Trenton
Genevieve M. Reiser, Toledo
Michael Paul Richter, South Euclid
Teresa K. Ricketts, Columbus
Carl Edward Ridenour, Shelby
Patricia Mary Robbins, Westerville
Stephen Roger Roberts, Marion
Ralph Harvey Root III, Upper Arlington
Linda Michelle Rossie-Shirer, Columbus
Scott John Ruffing, Worthington
Ann Marie Ruhe, Ottawa
Douglas Eugene Ryan, Mansfield
Jan Eystein Saabo, Oslo, Norway
Guillermo Sapia, Ponce, PR
Eric Jerome Schimpf, Cincinnati
David Thomas Scott, Medina
Michael David Scott, Bedford, MA
Mitchell Scott Seifert, South Euclid
Naomi Ann Sherry, Versailles
Stephen Parker Shirk, Columbus
Kathleen Marie Sidley, Painesville
Melanie Anne Slagle, Ohio City
James Brian Smith, Dayton
Nancy Carolyn Smith, Sciotoville
Robert Edward Smith, Plymouth
Mary Yvonne Souders, Grove City
Jack C. Sowder, Jr., Kettering
James Patrick Stepanek, South Euclid
Pepper G. Stevens, Mansfield

Donn William Stewart, Pickerington
 Brent M. Stine, Shelby
 Sallie A. Sulser, Galion
 Yim Yee Szeto, Hong Kong
 Mun Keung Tam, Hong Kong
 Chay Boon Tan, Singapore, Republic of
 Singapore
 Hooi Min Tan, Kuala Lumpur, Malaysia
 Yih Pin Tang, Bowling Green
 John Tangkey, Surabaya, Indonesia
 John Allan Taylor, Falmouth, MA
 Michael Allen Taylor, North Kingsville
 Charles Wesley Templeton, Columbus
 Shawn Thacker, West Jefferson
 Melissa Cay Thompson, Kingston, Jamaica
 Teresa Marie Todd, Zanesville
 Dennis Ray Tomlinson, Vermilion
 Charles Bernard VanGundy, Columbus
 Renée Van Heyde, Columbus
 Sandra Lee Vanko, Newark
 Richard Gary Vernal, Jr.,
 Cinnaminson, NJ
 Stephanie Anne vonLohr, Centerville
 Yoon Chin Voong, Columbus
 James Micheal Wagner, Englewood
 Gary Lee Ward, Columbus
 Geoffrey David Warrell, Medina
 Teresa Marie Weed, Logan
 William Michael Weis, Cincinnati
 Douglas Allen Weishaar, Wadsworth
 Kurt Alan Weisheimer, Delaware
 Michael Robert Werner, Dayton
 Michael Edwin Wesel, Marietta
 Patrick Greene Whitney, Columbus
 David Scott Whitson, Milford
 Jeffrey A. Wiater, Cincinnati
 Lance Bradford Wierenga,
 Des Plaines, IL
 Lynne Elizabeth Wilkinson, Dayton
 Bradley M. Willett, Columbus
 Debra Ann Wilson, Lima
 Mark Alan Wiseman, Newark
 Mary S. Wolf, Columbus
 Gretchen Lynne Wycoff, Columbus
 Zalina Bte Zainol, Ipoh, Malaysia
 Raymond Edward Zanon, Columbus
 Todd Allan Zeid, Cleveland
 Eric Steven Zoner, Amelia

Debra Lynn Blunk, Mansfield
 Constance Anne Braun, Sandusky
 Michael Robert Broadwater, Canton
 Scott David Brown, Chardon
 Ronald Edward Brush, Jr., Columbus
 Mary Ann Burns, Columbus
 Teresa Sue Camelford, Powell
 Carol Lynn Capizzi, Sandusky
 Molly Siemer Carty, Columbus
 Cam Carver, Sandusky
 Michael Dennis Casey, Reynoldsburg
 John David Cervi, Toledo
 Kache Galadima Cham, Bauchi, Nigeria
 Hilary Beth Cohn, Lyndhurst
 Susan Mae Coke, Worthington
 David Jay Coleman, Galion
 Anthony Thomas Condo, Worthington
 Beverly Brown Connor, Pataskala
 James Andrew Craig, East Palestine
 Francesca Wilbur Crane, Coshocton
 Michelle Marie Crawford, Reynoldsburg
 Thomas E. Darnell, Marion
 Amy Lynn DeBonis, Hubbard
 Jill Elizabeth Donaldson, Columbus
 Jerrie Lee Dowler, Plain City
 Judith Miriam Ellman, Columbus
 Nureeddeen A. El-Yakub, Bauchi, Nigeria
 Marieva Ann Emigh, Shelby
 Elizabeth Jane Esterly, Cincinnati
 Penny Lou Eubank, Grand Rapids
 Christopher Brian Febes, Circleville
 Susan Ann Ferguson, Shelby
 Mary Jo Finks, Columbus
 Lori Ann Fisher, Wapakoneta
 Loretta Carol Freeman, Columbus
 Carlene June Friedley, Worthington
 Dauda Istifanus Galrnaka, Bauchi, Nigeria
 Douglas Lane Glassburn, Marysville
 Sally Anne Goleeke, Columbus
 Garth Eugene Grate, Westerville
 Paul Kevin Gregory, Springfield
 Pamela Sue Groff, Mansfield
 Karen Marie Harnetty, Dublin
 René Lorraine Harper, Lima
 Diane Carol Hockman, Vanlue
 John William Hoelker, Columbus
 Daniel Zerah Hoover, Sandusky
 Tami Deanne Howbert, Lima
 Muhammad Bababa Ibrahim, Bauchi,
 Nigeria

Abdu Yaro Mohammed Sani, Bauchi,
 Nigeria
 Margaret Virginia Mohler, Gahanna
 Leah Susan Moore, Belpre
 Edward James Moran, Jr., Columbus
 David Willson Morrill, Dublin
 Deanne Lee Mumford, Mansfield
 Jay Alan Mumford, Mansfield
 Laura Anne Newman, Beachwood
 Mary Elizabeth Nicolai, Cincinnati
 Jibrin Adamu Ningi, Bauchi, Nigeria
 Adamu Birma Omar, Bauchi, Nigeria
 Kathy M. T. Orr, Mansfield
 James N. Palmer, Jr., Columbus
 Scott Innes Paynter, Stow
 Gina Lynne Poyle, Elyria
 Dale R. Pugh, Columbus
 Julia Caroline Rajski, Toledo
 Denise Ann Ratliff, Columbus
 Jill Van Winkle Ray, Fredericktown
 Dianne Marie Reese, Canton
 John Moore Reilly, Oregon
 Susan Hillery Reuven, Toledo
 Lynn Ellen Ritter, Columbus
 Janet L. Ross, North Cape May, NJ
 Ali Gar Sabo, Bauchi, Nigeria
 Abdullahi Ahmed Sade, Bauchi, Nigeria
 Glenn Raymond Sanderlin, Cardington
 Inuwa Ladan Shira, Bauchi, Nigeria
 John Robert Skidmore, Fairborn
 Mervin Todd Skiles, Pickerington
 Diane Lynn Smith, Fredericktown
 Susan Marie Steiger, Bucyrus
 Sandra Sherk Steiner, Dayton
 Beth Ann Stirn, Lima
 Victoria Katherine Topougis, Akron
 Glenn Christopher Trudo, St. Clairsville
 Joseph Robin Van-Camp, Tiffin
 Julie Kaye Vetter, Jackson Center
 Kimberly Ann Vivalo, Youngstown
 Marsha Leigh Waidelich, Circleville
 Denise Diane Wardlow, Groveport
 Lisa Anne Wentz, Shelby
 Susan Lynne Wilcox, Kenton
 Jeffrey Brian Winger, Steubenville
 Kimberly Ann Wingrove, New
 Philadelphia
 John M. Wolfe, Pickerington

College of Education

Dean: Donald P. Anderson

Bachelor of Science in Education

Ado Abubakar, Bauchi, Nigeria
 Christina Dawn Adams, Columbus
 Sani Mohammad B. Ahmad, Bauchi,
 Nigeria
 Abubakar Pindiga Ahmed, Bauchi,
 Nigeria
 Andrew Barde Alaji, Bauchi, Nigeria
 Joshua Benben Baka, Bauchi, Nigeria
 Isa Abdullahi Bara, Bauchi, Nigeria
 Roman Earl Bates, Memphis, TN
 Patrick Denton Belcher, Galloway
 Glenn Wade Bennett, Cincinnati

Rebecca Lynn Jones, Carrollton
 Gail Lavonne Grabner Kasper, Columbus
 Michael Christopher Kee, Columbus
 Maria Louise Kilpatrick, Lima
 Larry Lee Kirk, Columbus
 Rachel Marie Knoderer, Mogadore
 Linda Shepard Kovanda, Columbus
 Mary Brown Lauber, Columbus
 Nancy Lou LeFebvre, Columbus
 Patty Steele Lehman, Upper Arlington
 Bonnie Jo Long, Delaware
 Julie Marie Lyons, Kettering
 Cheryl A. Manfresca, Steubenville
 Stephanie Lou-Ann Marter, Youngstown
 Linda Marie Maruska-Nephew, Cincinnati
 Brenda Scherz Massie, Norwalk
 Linda Sue McMahon, Worthington
 Margaret Louise Melvin, Delaware
 Elizabeth Jean Menning, Toledo

College of Engineering

Dean: Donald D. Glower

Bachelor of Science in Aeronautical and Astronautical Engineering

William Scott All, Newbury
 Mary Slay Berchak, Columbus
 Louis Robert Carreiro, Westport, MA
 Nadzir Bin Hashim, Kedah, Malaysia
 David Francis Ives, Pelham, NH
 Thomas Michael Keating, Brunswick
 James Frederick Kromberg, Columbus
 Jennifer Helen Mathie, Louisville
 Bradley Steven Sumner, Owensville
 Wendy Jo Weilnau, Milan

Bachelor of Science in Agricultural Engineering

William Michael Bezilla, Kirtland
Richard Bernard Bruns, Yorkshire
Patrick Edward Ernst, Sardinia
Louis Robert Seich, Massillon
Andrew John Wuensch, Litchfield

Bachelor of Science in Aviation

Kenneth James Diamond, Westerville

Bachelor of Science in Ceramic Engineering

David Michael Burkett, Salem
Andriana Marie Cantelli, Sandusky
Jon Fredrick Dirkse, Midland, MI
Gene Johnson Hewitt II, Louisville, KY
Thawi Iwagoshi, Bangkok, Thailand
Kraig L. Sager, Tiffin
Sara Ann Touse, Columbus
Karen Elaine Wray, Mt. Vernon

Bachelor of Science in Chemical Engineering

Michael Joseph Klaasse, Chagrin Falls
Charles Eli Malspeis, Worthington
Steven Anthony Putman, St. Marys
Timothy Alan Rash, West Chester
Kevin Edward Reilley, Strongsville
Athanasios Velalis, Thessaloniki, Greece

Civil Engineer

Abdulrahman S. Almansoor, Saudi Arabia

Bachelor of Science in Civil Engineering

Paul Richard Anderson, Tiffin
Joseph Stephen Bolzenius, Columbus
Scott Daugherty Campbell, Cincinnati
Lori Ann Chapin, Columbus
Yui V. Chung, Centerville
John George Damrath III, Lafayette, IN
David Alan Day, New Philadelphia
Nancy Karen Deakins, Columbus
Keith Dimoff, Munroe Falls
Robert James Dubnicka, Pepper Pike
Roger Henry Evans, Seville
Lawrence Joseph Fenbers, Dayton
Timothy George Greive, Akron
Penny Lynn Grierson, Dayton
Daniel Charles Groh, Franklin
James Allen Hall, Denver, CO
Keith Warren Herron, Warrensville Heights
Mark James Hunter, Kettering
Mohammad Faizul Islam, Dhaka, Bangladesh

Steven Philip Ivanic, Glenwood Landing, NY
Kathleen Ann Kempke, Strongsville
Eng Keong Lim, Batu Pahat, Malaysia
Brian W. Mack, Toledo
Kok You Mak, Ipoh Perak, Malaysia
Todd Allen McQuown, Bellefontaine
Gary Lee Middleton, Xenia
Matthew Tope O'Donnell, Gallipolis
Peter M. Rich, Youngstown
David Lee Rinehart, Mansfield
Dale Eugene Shumaker, Amanda
Kim Loon Tan, Columbus

Bachelor of Science in Computer and Information Science

Jeffrey Patrick Archer, Lexington
J. Norman Blubaugh, North Canton
Robert John Casey, Columbus
Cheryl Ann Cates, Columbus
Stephen William Coder, Columbus
Timothy Lee Crabtree, Lucasville
Carole Suzanne Cutter, Cincinnati
Robertson Grant Davenport, Canton
Craig David Douglas, Wadsworth
John Bradley Eakins, St. Clairsville
Susan Girgis, Springfield
Rejini Govindasamy, Petaling Jaya, Malaysia
Robert David Green, Fairfield
Mark Anthony Hutchison, Jackson
Paulus Wibowo Kartiko, Jakarta, Indonesia
Ziad Kawakibi, Aleppo, Syria
Lisa Ann Kozlowski, Parma
Thomas Andrew Maneri, Columbus
William Eric McFadden, Granville
Syed Farouk Naseem, Long Beach, CA
Andrew Lee Neugebauer, Lorain
John Edward Onusko, Houston, TX
Patrick J. Pleiman, Fort Loramie
Norbert Leonhard Priller, Westerville
Kevin Gregory Rubel, Woodsfield
Stephan Frederick Schober, Avon Lake
Clayton Brett Slaughter, Columbus
Samuel Woodrow Weber, Hollidaysburg, PA

Bachelor of Science in Electrical Engineering

Nicholas Todd Albert, Grove City
William Lee Baird III, Columbus
Lynn Marie Betemps, Cincinnati
Charles James Blakely, Columbus
Robert John Burns, Heath
Douglas Allen Carrera, Xenia
Russell Koehler Childers, Wadsworth
William Richard Cornell, Clio, MI
Nicholas Sean Currens, Condon
Stephen Scott Dubinsky, Columbus
Russell Thomas Edwards, Delaware
Michael Kent Francis, Mentor
Frank George Galasso, Zanesville
Donald William Ganzhorn, Jr., Twinsburg
Traci Lynn Grove, Columbus

Scott Francis Gundling, Euclid
Ernesto Jose Gutierrez, Managua, Nicaragua
Jeffrey Glen Hargis, Tallmadge
David Scott Heater, Mt. Vernon
Martin Dale Hibbard, Lima
Daniel David Hoehnen, Cleveland
Scott Emil Hrastar, Richmond Heights
David Clark Hutchison, Wye Mills, MD
Brian Keith Jeckering, Bay Village
Brent Allen Jenkins, Canal Winchester
Joo Whan Jinn, Stow
Sandra Robin Johnson, Mayfield Heights
Heung Cer Kim, Seoul, Korea
Kin Wah Kim, Singapore
Tuck Weng Leong, Kota Bharu, Malaysia
Charles Richard Manring, Jr., Reynoldsburg
Eric Bryan Martin, Dayton
Subur Hartono Martoseno, Semarang, Indonesia
Gregory James Meyer, Cincinnati
Bernard William Monnig, Bellbrook
Michael Alan Monnin, Minster
Matthew Joseph Montgomery, Columbus
Un Pok Morris, Wilmington, DE
Richard Wainwright Niles, Rochester, NY
Christopher Bart Osburn, Cincinnati
Steven Douglas Parr, Dayton
Jay Joseph Pierce, Hamilton
John Michael Pothast, Delphos
James P. Pritchard, Jr., Columbus
Keith Anne Ream, Gallipolis
Sunil Muddasani Reddy, Hyderabad, India
Kenneth Allen Rogers, Caldwell
John Stephen Rupert, Delphos
David Andrew Shal, Columbus
Michael Lawrence Shears, Toledo
John Thomas Slater, Cincinnati
Robert Jonathan Tiffin, Mansfield
Mark Richard Toft, Cincinnati
Minh Van Tran, Mansfield
Kevin Fred White, Columbus
Ka-Keung Jimmy Wong, Hong Kong
Andrew Charles Zeik, St. Clairsville

Bachelor of Science in Engineering Physics

Timothy A. DeVol, Columbus

Bachelor of Science in Industrial and Systems Engineering

Bradford Eugene Armstrong, Shelby
Bryan Harold Behm, Oak Harbor
Vernon Jerome Bockrath, Cloverdale
James Quinton Borsh, Cleveland Heights
Kimberly Anne Boyd, Kettering
Richard Allen Ceddia, Cincinnati
Hai Boon Chan, Columbus
Eve S. Chin, Cincinnati
Dennis William Clouse, New Riegel
Galen Theodore Cragg, Chardon
Thomas Allen Crawford, Worthington

Mark Howard Cunningham, Worthington
Denise Anne Dilley, Fairlawn
Anthony Doyle Downing, Johnstown
Richard Charles Fondriest, Westerville
Jay Christian Frank, Akron
Monty Lamoine Geanangel, Hopedale
Norbert Donald Haas, Worthington
Samuel Newton Hamilton II, Beavercreek
Christopher Allen Hamrick, West Chester
Andrew Francis Hebert, Dayton
Kelley Sue Henry, Hebron
John Daniel Hostettler, North Canton
Hisham Mahmoud Ismail, Worthington
Leonard William Kozerski, Jr., West Chester

Jill Anne Krawczynsyzyn, Euclid
Robert Frederick Kugel, North Canton
Christine Michele Kunkle, Hamburg, NY

Gregory Scott Lampert, Minster
Vicki Ann LaTorre, Columbus
Donald Robert Maier, Massillon
Elizabeth Marie Mansor, Zanesville
John Edward Marushin, Parma
Gregory Lee Miller, Tiffin
Philip Misencik, Westlake
Scott Brian Roeder, Spencerville
Naji Jean Sfeir, Zalka, Lebanon
Steven Ray Stokey, New Philadelphia
Eddy Tandela, Medan, Indonesia
Thomas Tumbelaka, Indonesia
Scott Walker Vinson, Minerva
Donald Joseph Wagner, Toledo
Myra Lynn Young, Elyria

Bachelor of Science in Mechanical Engineering

Judith Mary Agriesti, Columbus
Jeffrey Scott Amrine, Marion
Susan Lynne Andrews, Kettering
Bruce Coleman Arnold, Lima
Gabriele Arsic, Parma
Paul Thomas Carson, Pittsburgh, PA
Vincent Ciamacco, Columbus
Karl Louis Dammeyer, St. Marys
Joseph John Del Tosto, Jr., Columbus
Steven Michael Dues, St. Marys
Laura Sue Fife, Columbus
David S. Fyffe, Chagrin Falls
Michael Patrick Hogan, Cincinnati
Jeffrey Jonathan Joyce, Springfield
Christopher Brett Keylor, Woodfield
Jose Spencer Lima, Euclid
Michael Arthur Lundeen, Findlay
John David Milenius, Rocky River
Tore Mowatt-Larsen, Valparaiso, IN
Moeljadi Santoso, Malang, Indonesia
Sherry Susan Wampler, Kettering
Kirsten Louise Winsor, Elmira, NY

Bachelor of Science in Metallurgical Engineering

Aimee Rene Allen, Granville

Bachelor of Science in Mining Engineering

James Douglas Henry, Newark
Dayne Anderson Willis, Columbus

Bachelor of Science in Surveying

William Robert Loetz, Columbus
Darrell Bruce Plummer, Medina

Bachelor of Science in Welding Engineering

Ricky Scott Blair, Cincinnati

School of Architecture

Bachelor of Science in Architecture

Donald Jack Brogan, Hilliard
Robert William Kaye, Colorado Springs, CO
Wilhelm Ruperto Montalvo, Quito, Ecuador
Robert David Schisler, Chalfont, PA
Kent William Stevens, Upper Arlington

Bachelor of Science In Landscape Architecture

Michael Leroy Crommes, Troy
Christopher Michael Dimmick, Columbus
Michael Alan Kemper, Osgood
Christie Lynne Nohle, Reynoldsburg
Terry Evans Sprecker, Northampton, MA

College of Home Economics

Dean: Lena Bailey

Bachelor of Science in Home Economics

Anna Marie Bartolovich, East Liverpool
Elizabeth Hayes Bunge, Columbus
Kjarista Ann Busch, Lima
Donna Marie Cox, Worthington
Kara Lyn Crombie, Canal Winchester
Kathy Lynn Damante, Columbus
David John Downing, Reynoldsburg
Mary Eleanor Falvey, Toledo
Rosalie Ann Ingram, Bellaire
Cynthia Elaine King, Medina
Kathryn Marie Lewis, Dayton
Molly Kay Lutz, Lancaster
Julie Ann Manyo, Ashtabula
Kelli Dee McCaslin, Columbus
Susan Nelson Metz, Worthington

Alicia Tracy Morgan, Columbus
Pamela Ann Nichols, Centerburg
Jeanette O'Connor, Worthington
Christine Cecile Peluso, Sylvania
Kimberly Alice Risner, Dayton
Michelle Elizabeth Sabados, Brunswick
Mary Newland Sherman, Kenton
Jeanne Winifred Smith, Berea
Melody Dawn Snyder, Painesville
Laureen Jeanette Warren, Bluffton
Manette Irene Watson, Columbus
Ellen Carol Weiner, Cincinnati

Bachelor of Science in Hospitality Management

Elizabeth Lynn Fleming, Troy
Jean Ann Knoll, Columbus
William Michael Louwers, Dublin

Bachelor of Science in Nutrition

Bradley David Campbell, Marion
Victoria Lynn Capaldo, Bedford
Christopher Paul George, Mansfield

Bachelor of Science in Restaurant Management

Leona Holt Blakemore, Centerburg
George John Tanchewski, Mansfield

College of Medicine

Dean: Manuel Tzagournis

Doctor of Medicine

Larry Ray Hromalik, Columbus
B.S., M.S.

Donna Annette Johnson, Dayton
B.S. (Xavier University)

Wilfredo Jacinto Suntay, Philippines
B.S.M.E., M.S.M.E., Ph.D. (University of Cincinnati)

School of Allied Medical Professions

Bachelor of Science in Allied Health Professions

Christa Mae Artman, Wapakoneta
Emily Hunter Baird, Columbus
Barbara Anne Bolin, North Ridgeville
Carol Annette Bruns, Ottoville
Vicki Lynn Buckle, Canton
Amy Frances Davis, University Heights
Rebecca Sue DeWald, Fort Wayne, IN

Mary Suan Dorr, Cincinnati
 Toni Jean Ellis, Newark
 Jensen Daniel Fritz, Medina
 Anne Marie Gallenstein, Cincinnati
 Lucinda Renee Gibson, Stone Creek
 Connie Lee Gilliland, Waterford
 Amy Marie Grace, Columbiana
 Deborah Ann Hamilton, North Canton
 Lisa Ann Hillmuth, Vermilion
 Connie Sue Imes, New Carlisle
 Lisa Marie Johnson, Avon Lake
 Kathryn Louise Kelly, Xenia
 Dimitri Anatol Koroleff, Oakland, CA
 Lisa Ann Krivos, Strongsville
 Lisa Lynn Leiendecker, Columbus
 Lori Lee Leiendecker, Columbus
 Kathi Lou Longshore, Columbiana
 Elizabeth Lee Lucas, Columbus
 Kathleen Marie Luersman, Delphos
 Joan Helen May, Columbus
 Theresa Miller McLain, Columbus
 William Bruce Meier, Lima
 Lisa Jean Miller, Lancaster
 Elaine Patricia Mitchell, Springfield
 Glenda Marie Morgan, Mt. Gilead
 Johanna C. Nitz, Northwood
 Elizabeth Anne Reeves, Grafton
 Joann Margaret Reynolds, Orrville
 Anna Lucille Roberts, Columbus
 Jodi Marion Romine, Fairfield
 Carolyn Marie Rossmann, Euclid
 Lee Ann Roth, Martins Ferry
 Michelle Jeanne Rouse, Centerville
 Karen Ann Russell, Columbus
 Elspeth Graham Sawyer, Upper Arlington
 Bonnie Lynn Schmidt, South Euclid
 Karen Ann Slattery, Highland Heights
 Cynthia Jane Smith, Moreland Hills
 Donald Robert Smith, Columbus
 Lori Ann Wyant Soble, Cleveland
 Rebecca Lynn Stahler, Minerva
 Laurie Elizabeth Staples, Worthington
 Holly Ann Stoppert, Midland, MI
 Lori Lynn Swisher, Aberdeen
 Terra Lynne Turner, East Cleveland
 Rebecca Elaine Veach, Columbus
 Jacquelyn Ann Wasko, Campbell
 Tina Marie Webb, Mansfield
 Norma Joan Wilker, St. Marys
 David S. Wilkins, New Knoxville
 Susan Lynn Wolf, Canfield

Certificate of Post Baccalaureate Circulation Technologist

Mark Edward Beany, Wintersville
 William Lawrence Black, Jr.,
 Chapel Hill, NC
 James Gerard Ralston, Columbus
 Scott Joseph Stroup, Alliance

College of Nursing

Dean: Carole A. Anderson

Bachelor of Science in Nursing

Jeannine Marie Acantilado, Bloomingdale
 Karen Lee Burke, Columbus
 Cynthia Marie Corll, Canfield
 Karen Louise Dill, Pemberton
 Mary Elizabeth Doslak, Lorain
 Dawn Olson Elliott, Salem
 Theresa Victoria Grajewski, Steubenville
 Greer Ann Gunderson, Trenton
 Linda Susan Heinzerling, Columbus
 Caroline Huddleston, Columbus
 Deidre Lynn Kessler, Reynoldsburg
 Lori Hays Lalli, Mt. Vernon
 Amy Elizabeth Lord, Springfield
 Marie Alane Magisano, North Canton
 Anita Safonovs, Cleveland
 Brigid Kathryn Vavrek, Rocky River
 Elizabeth Jane Wallace, Worthington
 Pamela Sue Wiese, Centerville

College of Pharmacy

Dean: Albert H. Soloway

Bachelor of Science in Pharmacy

David Alan Helms, Tiltonsville
 Jacqueline Alfonso Marowitz, Akron
 James Robert Prendergast, Cleveland
 Mark Anthony Urban, McDonald

College of Social Work

Dean: Richard E. Boettcher

Bachelor of Science in Social Work

Jill Susan Lang, 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 Physical Education

Michael Dennis Casey

With Honors in the Liberal Arts

Lynda Louise Callicotte

Cum Laude

Carol Annette Bruns
 Cam Carver
 Robert John Casey
 Kee Hin Chua
 Jeffrey Todd Davis
 Thomas Alan Davis
 Linda Arleen DeShetler
 Marieva Ann Emigh
 Theresa Lynn Emmelhainz
 David Darrin Fumi
 Sally Anne Goleeek
 Lisa Lucille Grenier
 James Allen Hall
 Deborah Ann Hamilton
 Sherry Elizabeth Hayhurst
 Daniel Zerah Hoover
 Scott Emil Hrastar
 Denise Lynn Klein
 Karla L. Klotz
 Joel Patrick Korte
 Douglas Wade Leaman
 Jeff Wayne Liebrecht
 Bonnie Jo Long
 Everett G. Maxfield
 Theresa Miller McLain
 Gregory Lee Miller
 Alicia Tracy Morgan
 Kimberly Kay Murphy
 Kathy M.T. Orr
 Mary Michele Patterson
 Aline Elizabeth Paxton
 Joann Margaret Reynolds
 Michael Paul Richter
 Carolyn Marie Rossmann
 Ann Marie Ruhe
 Jeri Ellen Schad
 Kathleen Marie Sidley
 Ronald Keith Smitson
 Mary Yvonne Souders
 Beth Anne Stirn
 Mun Keung Tam
 Teresa Marie Todd
 Sara Ann Touse
 Mark Anthony Urban
 Richard Gary Vernal, Jr.
 Marsha Leigh Waidelich
 Constance Marie Weber
 Samuel Woodrow Weber

Susan Lynne Wilcox
Mark Alan Wiseman
Andrew Charles Zeik

**Summa Cum Laude with Distinction
in Occupational Therapy**

Lee Ann Roth

**Cum Laude with Distinction in
Electrical Engineering**

Kenneth Allen Rogers

**Summa Cum Laude with Honors in
the Liberal Arts**

Eileen Marie Donahue
Lee Tucker

**Cum Laude with Distinction in
Mechanical Engineering**

Steven Michael Dues
Moeljadi Santoso

**Cum Laude with Honors in the
Liberal Arts**

Christopher Kang Ching
Timothy Walter Gray
Melanie Davida Hahm
Thomas Allen Shull

**Cum Laude with Honors in the
Liberal Arts and with Distinction in
Linguistics**

Susan Lynn Hura

Summa Cum Laude

Heike Allmann
Constance Anne Braun
Karen Lee Burke
Deborah Lynn Edwards
Jeffrey Glen Hargis
Douglas William Hoffman
David Jerome Kennedy
Eng Keong Lim
Kok You Mak
Margaret Louise Melvin
Mark Jonathan Opperwall
Jane Elizabeth Schaeffer
Diane Lynn Smith
Susan Marie Steiger
Maria Elaine Vitale
Teresa Marie Weed
Donna Louise Wyckoff

**Summa Cum Laude with Distinction
in Animal Science**

Brent Wayne Eichar

**Summa Cum Laude with Distinction
in Marketing**

Jill Alison Grace
Teresa Bernadette Pachuta

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

Marion, Ohio, April 2 and 3, 1987

The Board of Trustees met at its regular monthly meeting on Thursday, April 2, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio; and Friday, April 3, 1987, at The Ohio State University Marion Campus, Marion, Ohio, pursuant to adjournment.

* * *
Minutes of the last meeting were approved.

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April 2 and 3, 1987 meeting, Board of Trustees

The Chairman, Mr. Galbreath, called the meeting of the Board of Trustees to order on April 2, 1987, at 4:40 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: Daniel M. Galbreath, Chairman, Edmund C. Redman, Leonard J. Immke, Shirley D. Bowser, Hamilton J. Teaford, John J. Barone, and John W. Kessler.

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Mr. Galbreath reconvened the meeting on April 3, 1987, at 10:50 a.m.

Present: Daniel M. Galbreath, Chairman, Edmund C. Redman, Leonard J. Immke, Shirley D. Bowser, Hamilton J. Teaford, John J. Barone, and John W. Kessler.

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Mr. Galbreath:

First of all, I would like to thank those of you at the Marion Campus, as well as the community, for hosting us and inviting us up here to see your campus, and particularly this lovely new building. We appreciate that very much and look forward to sharing the rest of the morning and having lunch with you.

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Mr. Galbreath announced the appointment of the following persons to the Nominating Committee:

- Leonard J. Immke, Chairman
- John W. Berry
- Shirley D. Bowser

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NEW DEGREE PROGRAM - MASTER OF FINE ARTS DEGREE IN DANCE

Resolution No. 87-106

Synopsis: Establishment of a Master of Fine Arts degree in Dance is proposed.

WHEREAS the Department of Dance, the College of The Arts, and the Council on Research and Graduate Studies have approved the addition of a tagged Master of Fine Arts degree in Dance; and

WHEREAS the MFA degree is recognized as the major terminal degree in the practical and creative areas of dance study, and would better meet the needs of students competing for professional employment; and

WHEREAS sufficient resources and student interest exist to support the tagged Master of Fine Arts degree in Dance; and

WHEREAS the MFA would keep Ohio State competitive with other dance programs in the country, and would attract highly qualified students; and

April 2 and 3, 1987 meeting, Board of Trustees

NEW DEGREE PROGRAM - MASTER OF FINE ARTS DEGREE IN DANCE (contd)

WHEREAS the current Master of Arts degree with a major in Dance would be retained for interested students; and

WHEREAS the University Senate approved this action at their March 7, 1987 meeting:

NOW THEREFORE

BE IT RESOLVED, That the establishment of the Master of Fine Arts degree in Dance is hereby approved.

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

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CHANGE IN DEGREE

Resolution No. 87-107

Synopsis: Change in degree from a Bachelor of Arts degree to a Bachelor of Science degree for students specializing in Climatology and Cartography is proposed.

WHEREAS the Department of Geography and the Colleges of the Arts and Sciences have approved the conversion of the Cartography and Climatology tracks in the Department of Geography from the Bachelor of Arts degree to the Bachelor of Science degree; and

WHEREAS during the past two years the Department of Geography has strengthened the quantitative and analytical nature of these two tracks by emphasizing mathematics and physical sciences; and

WHEREAS awarding the Bachelor of Science degree to students specializing in Climatology and Cartography would bring Ohio State in line with other major research institutions; and

WHEREAS the option to pursue a Bachelor of Arts degree with a major in Geography would be available to students through the Department's other four tracks; and

WHEREAS the Bachelor of Science degree with a major in Geography is more marketable and offers greater potential for advancement for students in both academic and non-academic settings; and

WHEREAS the University Senate approved this action at their March 7, 1987 meeting:

NOW THEREFORE

BE IT RESOLVED, That the aforementioned change in degree is hereby approved, effective Spring Quarter 1987.

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

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April 2 and 3, 1987 meeting, Board of Trustees

AMENDMENTS TO THE RULES OF THE UNIVERSITY FACULTY

Resolution No. 87-108

Synopsis: Amendments to rules 3335-5-45 and 3335-5-488 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 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 May 20, 1978, and March 7, 1987, as follows:

AMENDED RULES

3335-5-45 Bylaws of the senate.

The university senate shall have the power to organize itself and to make such bylaws for its own proceedings as shall not contravene the sections of the Revised Code applying to the university, the "Bylaws of the Board of Trustees," or the "Rules of the University Faculty." The senate's bylaws may be amended at any time by a majority of senate members present and voting thereon. The bylaws shall also be the subject of review by the rules committee at the beginning of each new autumn session of the senate.

3335-5-488 Committee on honorary degrees.

(A) Membership.

The committee on honorary degrees shall consist of five members of the regular faculty, nominated by the faculty council and elected by the senate. The term of office is five years with one member retiring each year. A retiring member shall not be eligible for immediate reelection.

(B) Duties and responsibilities.

- (1) (Unchanged.)
- (2) Receive nominations concerning persons who might be considered for an honorary degree.
- (3) Review thoroughly the achievements and qualifications of all persons nominated.
- (4) Report to the university senate for its consideration and action such persons as have received no fewer than four affirmative votes from the committee membership.

NOW THEREFORE

BE IT RESOLVED, That the foregoing amendments to the Rules of the University Faculty be adopted as recommended by the University Senate.

April 2 and 3, 1987 meeting, Board of Trustees

AMENDMENTS TO THE RULES OF THE UNIVERSITY FACULTY (contd)

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

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PERSONNEL ACTIONS

Resolution No. 87-109

RESOLVED, That the personnel actions as recorded in the Personnel Budget Records of the University since the March 6, 1987 meeting of the Board, including the following Appointment of Chairpersons of Departments and Director of Center, Leave of Absence Without Salary--Continuation, Professional Improvement Leave--Change of Dates, and Emeritus Titles as detailed in the University Budget be approved.

Appointment of Chairpersons of Departments and Director of Center

October 1, 1986 through June 30, 1990

Center for Women's Studies

Susan M. Hartmann

April 1, 1987 through June 30, 1987

Veterinary Anatomy

George P. Wilson III*

July 1, 1987 through June 30, 1991

Obstetrics/Gynecology
Surgery

Steven G. Gabbe
Olga Jonasson

*Acting Chairperson

Leave of Absence Without Salary--Continuation

RUTH M. CHARNEY, Associate Professor, Department of Mathematics, effective Spring Quarter 1987, to continue her research at the Institute for Advanced Study in Princeton, NJ.

Professional Improvement Leave--Change of Dates

G. RICHARD DORN, Chairperson and Professor, Department of Veterinary Preventive Medicine, change leave from August 1, 1987, through July 31, 1988, to September 1, 1987 through August 31, 1988.

Emeritus Titles

JOHN R. STAUBUS, Department of Dairy Science, with the title Professor Emeritus, effective July 1, 1987.

JOHN P. KENYON, Department of Food Science and Nutrition, with the title Assistant Professor Emeritus, effective July 1, 1987.

VERNON A. NEUHARDT, Department of Dairy Science, with the title Instructor Emeritus, effective July 1, 1987.

April 2 and 3, 1987 meeting, Board of Trustees

PERSONNEL ACTIONS (contd)

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

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RESOLUTIONS IN MEMORIAM

Resolution No. 87-110

Synopsis: Resolutions honoring the service of three 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.

Henry J. Barre

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on January 15, 1987, of Henry J. Barre, Professor Emeritus in the Department of Agricultural Engineering.

Dr. Barre was born on April 11, 1905. He earned his BS and MS degrees in Agricultural Engineering at Kansas State University. His Ph.D. degree from Iowa State University in 1938 was the first awarded in agricultural engineering. He served on the faculties of Iowa State University from 1930-43; as departmental head at Purdue from 1943-52; and The Ohio State University from 1963-73. From 1952-63, he worked as an industry consultant in agricultural drying and air-handling systems. He also served as a consultant for the Ford Foundation in India and for the World Bank in Indonesia while at Ohio State. Upon his retirement in 1973, he was named Professor Emeritus.

As the prolific author of many research reports, papers, and bulletins on theory and practice of grain drying, as well as the senior author of a widely-used text on farm structures, Dr. Barre was awarded the highest honor of the American Society of Agricultural Engineers, its Cyrus Hall-McCormick Gold Medal in 1969. He received the MacQuigg Award for outstanding teaching in 1971, and was a member of Phi Kappa Phi, Sigma XI, Sigma Tau, and Tau Beta Pi.

On behalf of the University, the Board of Trustees expresses its sympathy and understanding to the family of Professor Barre. 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.

Wayne Woodrow Hayes

The Board of Trustees of The Ohio State University expresses its deep sorrow upon the death on March 12, 1987, of W. W. "Woody" Hayes, former head football coach and beloved member of the University family.

Coach Hayes was born on February 14, 1913, in Clifton, Ohio. He attended Denison University where he majored in English and History, played tackle

April 2 and 3, 1987 meeting, Board of Trustees

RESOLUTIONS IN MEMORIAM (contd)

Wayne Woodrow Hayes (contd)

on the football team and was an outfielder on the baseball team. He was graduated in 1935. Hayes received a Master of Arts degree in Education Administration at Ohio State in 1948.

Woody Hayes accepted his first coaching job as an Assistant Coach at Mingo Junction High School in Ohio, in 1935. He took a Head Coach position in 1938 at New Philadelphia High School in New Philadelphia, Ohio. Hayes spent five years in the Navy during World War II, finishing his military career as a highly decorated Lieutenant Commander before accepting the position of Head Coach of the Denison University football team in 1946. He coached at Denison for three years and then coached at Miami University in Oxford, Ohio, for two years. In 1951 Coach Hayes began his career at The Ohio State University, having been selected ahead of Coach Paul Brown of the Cleveland Browns football team. He ended his coaching career at Ohio State University in 1978.

As the coach of the Buckeyes, Woody Hayes developed an impressive record of success by every measurement. His teams won 205 games between 1951 and 1978 with a Big Ten record of 152-37-7. His teams were winners of 5 post-season bowls, 13 Big Ten championships and national championships in 1954, 1957 and 1968. Hayes was elected College Coach of the Year in 1957 and 1975, and served as President of the National Football Coaches Association. Known for his strong recruiting and coaching, Hayes coached three Heisman Trophy winners and 56 first team All-American players. In addition, he trained many Assistant Coaches who later became successful Head Coaches including Bo Schembechler, Earle Bruce, Lou Holz, David McClain, Bill Mallory, and George Chaump.

Woody Hayes was honored in many ways in his life. He was named Head Football Coach and Professor Emeritus in the School of Health, Physical Education and Recreation in 1979 by The Ohio State University Board of Trustees. Also in 1979, the University's Development Fund established a scholarship in the names of Woody and Anne Hayes which helps student athletes attend Ohio State's professional and graduate schools. Part of West Woodruff Avenue on campus was named for Hayes by the University in 1982 as Woody Hayes Drive. In 1986 Hayes received an honorary Doctor of Humanities degree from Ohio State on the occasion of his being the Commencement speaker on March 21, 1986. Woody Hayes was the subject of many stories, television shows and documentaries as the quintessential college football coach.

Perhaps the greatest achievement of his distinguished career is the way in which he has personally touched so many lives. Although he was in the public eye for many years, he had tremendous success on a more private, individual level. The compassion he felt for all of his football players was often expressed in his interest in their education and their development as members of society. He was always available to discuss problems and he was free with his advice. This personal attention was well-utilized by his players and has resulted in many life-long friendships and associations. Woody Hayes was also available to the University community whenever it needed his help. He was a guest lecturer, advisor, spokesman, and fund raiser, among other things. He was willing to give of himself for the greater good and was able to respond to a great variety of requests for support. He visited hospitals and nursing homes, served on boards and talked with everyone who had the interest, especially students. He was truly generous with his time.

April 2 and 3, 1987 meeting, Board of Trustees

RESOLUTIONS IN MEMORIAM (contd)

Wayne Woodrow Hayes (contd)

Woody Hayes will be long-remembered by his players, his colleagues, his friends, his family, and the University itself. He has left a tremendous legacy of commitment, success and love.

On behalf of the University, the Board of Trustees wishes to express its deep sympathy to Woody's wife, Anne, his son and daughter-in-law Steve and Kathy, his grandchildren Phil and Laura and his sister Mary North. 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.

Bernard William Poland

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on March 8, 1987, of Bernard William Poland, Professor Emeritus in the School of Music.

Dr. Poland was born August 29, 1919. A native of Philadelphia, his early musical career led him to Ann Arbor, where he received from the University of Michigan the degrees Bachelor of Music in 1948 and Master of Music in 1949.

His thirty-five year tenure on the faculty of the School of Music began in 1949. By 1970, he rose to the rank of Professor of music theory. From 1975 to 1984, he also served as Associate Dean of the Graduate School. Upon his retirement in 1984, he was awarded the rank of Professor Emeritus.

During his early years at Ohio State, Dr. Poland co-founded the Columbus Symphony Orchestra and served as principal oboist and program annotator. Later, he earned the first doctorate granted by Ohio State's School of Music. He did extensive research in predicting success in music study, which resulted in the Music Achievement Test that is now required of undergraduate music applicants. He helped found the Center for Experimental Research in the Arts, which he directed from 1965 to 1969. His research in musical behavior and in program review strategies led to an extensive list of publications and presentations.

Active in numerous professional organizations, Dr. Poland received many music honors, including the Archibald T. Davidson Award in Musicology and membership in Pi Kappa Lambda Music Honorary Society. In 1971, he was granted The Ohio State University Alumni Award for Distinguished Teaching and, in 1987, The Ohio State University Distinguished Service Award.

On behalf of the University community, the Board of Trustees expresses to the family of Bernard William Poland its deepest sympathy. 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.

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

April 2 and 3, 1987 meeting, Board of Trustees

REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS

Resolution No. 87-111

Synopsis: The reports on contracts, grants, and gifts and the summary for February 1987 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 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 and The Ohio State University Development Fund during the month of February 1987 be approved.

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

SUMMARY FOR FEBRUARY 1987

Source	No. of Projects	Support Level
The Ohio State University Research Foundation	81	\$5,164,593.75
Engineering Experiment Station	38	\$ 177,389.00
Total	119	\$5,341,982.75

The Ohio State University Development Fund

Establishment of Named Funds

The William A. Meiter Scholarship Fund
(Scholarships for students from the West Branch School District, Damascus area) \$ 200,000.00

The J. M. Shepherd Scholarship Fund
(Scholarships - Colleges of Mathematical and Physical Sciences and Engineering) \$ 50,000.00

The George Stambaugh Memorial Fund
(Income shall benefit the Libraries) \$ 30,000.00

The Henry and Blanche Abell Endowment Fund
(Funds shall be at the discretion of the Chairperson of the Department of Food Science and Nutrition and the Coach and/or Director of the wrestling program in the Department of Athletics) \$ 15,000.00

April 2 and 3, 1987 meeting, Board of Trustees

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

SUMMARY FOR FEBRUARY 1987 (contd)

The Ohio State University Development Fund (contd)

Establishment of Named Funds (contd)

The Roy C. and Lillian M. Holdridge Scholarship Fund (Students enrolled in business at the Marion Campus)	\$ 15,000.00
The Sugarbush Kennel Club Fund in Veterinary Medicine (Scholarships for students who are residents of Geauga County)	\$ 10,000.00
The Lloyd W. Chapman Pharmacy Memorial Scholarship (Scholarships)	\$ 5,000.00

April 2 and 3, 1987 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION

Report - February 1987

Federal Research Contracts/Grants

\$600,257.00 - Department of the Army, Army Tank - Automotive Command, Warren, Michigan, A Mobility System Design Study for an Agile Automatic Land Vehicle, Department of Electrical Engineering (C.A. Klein) and Department of Mechanical Engineering (K.J. Waldron), 1 November 1986 through 31 December 1986. (Project 764306 - Continuation)

\$300,000.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Ultrahigh Performance Mass Spectrometer, Chemical Instrumentation Center (A.G. Marshall), Department of Chemistry (D.H. Busch, H.G. Floss, L.A. Paquette, and D. Horton) and College of Pharmacy (R.H. Reuning and L.W. Robertson), 20 February 1987 through 19 February 1988. (Project 765912 - New)

\$200,000.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Bruker AM-300 Nuclear Magnetic Resonance Instrument, Department of Chemistry (D.J. Hart, D.H. Busch, H. Floss, L.A. Paquette, M.S. Platz, J.S. Swenton, and M.D. Tsai), 20 February 1987 through 19 February 1988. (Project 765917 - New)

\$159,147.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Hypocholesterolemic Agents: Stereochemical Studies, College of Pharmacy (D.T. Witiak and D.R. Feller) and Department of Pathology (H.A. Newman), 1 December 1986 through 30 November 1987. (Project 764517 - Continuation)

\$153,889.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Synthesis of Polyquinane and Related Natural Products, Department of Chemistry (L.A. Paquette), 1 July 1987 through 30 June 1988. (Project 762298 - Continuation)

\$150,962.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Molecular Control in Cytochrome C Oxidase, Department of Physiological Chemistry (J.O. Alben), 1 January 1987 through 31 December 1987. (Project 762976 - Continuation)

\$148,368.00 - Department of Health and Human Services, Public Health Service, Health Resources and Services Administration, Bethesda, Maryland, Advanced Educational Program in General Dentistry, Community Dentistry (L.P. Diorio), 1 July 1987 through 30 June 1988. (Project 765454 - Continuation)

\$131,600.00 - National Science Foundation, Washington, D.C., Syntheses and Studies of Selected Metal Carbonyl and Boron-Metal Carbonyl, Department of Chemistry (S.G. Shore), 1 March 1987 through 28 February 1988. (Project 764293 - Continuation)

\$106,817.00 - Department of the Air Force, Air Force Systems Command, Bolling Air Force Base, D.C., Mechanisms of Chemical Modulation Toxicity

April 2 and 3, 1987 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

of the Immune System, Department of Veterinary Pathobiology (M.J. Tarr and R.G. Olsen), 15 April 1986 through 14 April 1988. (Project 765335 - New)

\$100,000.00 - Department of the Air Force, Air Force Systems Command, Hanscom Air Force Base, Massachusetts, Improved Gravity Field Estimation Procedures and the Development of Improved Reference Frames, Department of Geodetic Science and Surveying (R.H. Rapp), 1 April 1987 through 30 September 1987. (Project 765306 - Continuation)

\$100,000.00 - Department of the Air Force, Air Force Systems Command, Wright-Patterson Air Force Base, Ohio, UTD Scattering from Structures Including Higher Order Terms, Department of Electrical Engineering, ElectroScience Laboratory (R.J. Marhefka), 1 October 1986 through 30 September 1987. (Project 765374 - Continuation)

\$100,000.00 - National Science Foundation, Washington, D.C., Purchase of High Field NMR Spectrometer, Department of Chemistry (H.G. Floss), 15 February 1987 through 31 January 1988. (Project 765891 - New)

\$99,000.00 - Department of Agriculture, Cooperative State Research Service, Washington, D.C., Factors Affecting Silk Secretion and Their Effect on Gypsy Moth Larval Dispersal, Department of Entomology - OARDC (R.A.J. Taylor), 15 February 1987 through 28 February 1989. (Project 765904 - New)

\$97,723.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Biochemistry of Craniofacial Epithelial Differentiation, Diagnostic Services (C.F. Shuler), 1 February 1987 through 31 January 1988. (Project 765236 - Continuation)

\$95,946.00 - Department of Health and Human Services, Public Health Service, Alcohol, Drug Abuse, and Mental Health Administration, Rockville, Maryland, Ethanol Disturbance of Gastrointestinal Nervous System, Department of Physiology (J.D. Wood), 1 February 1987 through 31 January 1988. (Project 765885 - New)

\$94,000.00 - National Science Foundation, Washington, D.C., Acquisition of a Single Crystal X-Ray Diffractometer, Department of Geology and Mineralogy (J.W. Downs), 1 February 1987 through 31 January 1988. (Project 765909 - New)

\$82,800.00 - National Science Foundation, Washington, D.C., Structure, Dynamic Behavior and Synthesis of Selected Solvated Carbanionic Substances, Department of Chemistry (G.A. Fraenkel), 1 December 1986 through 30 November 1987. (Project 765472 - Continuation)

\$80,000.00 - National Science Foundation, Washington, D.C., The Effect of Spatial and Temporal Heterogeneity on the Regulation of Insect Populations by Natural Enemies, Department of Zoology (P.L. Chesson), 1 March 1987 through 28 February 1989. (Project 765911 - New)

April 2 and 3, 1987 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

\$75,000.00 - National Science Foundation, Washington, D.C., Low Temperature Electronic Properties of Conducting Solids, Department of Physics (J.C. Garland), 1 January 1987 through 31 December 1987. (Project 765553 - Continuation)

\$74,270.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Analysis of Local Circuitry in the Inferior Olive, Department of Anatomy (G.A. Bishop), 1 March 1987 through 29 February 1988. (Project 763013 - Continuation)

\$69,300.00 - National Science Foundation, Washington, D.C., Superconductivity, Optical Properties and Transport in Binary Composite Media, Department of Physics (D.G. Stroud), 1 December 1986 through 30 November 1987. (Project 764511 - Continuation)

\$56,886.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Cellular PD and Ion Activities in Renal Proximal Tubules, Department of Physiology (B.A. Biagi), 1 January 1987 through 31 December 1987. (Project 763050 - Continuation)

\$55,005.00 - National Science Foundation, Washington, D.C., Accomplishment Based Research on Study of Gas-Liquid-Solid Fluidization, Department of Chemical Engineering (L.S. Fan), 1 May 1987 through 30 April 1988. (Project 765308 - Continuation)

\$50,161.00 - National Science Foundation, Washington, D.C., Indirect Effects of Predators in Fish Communities, Department of Zoology (J.L. Crites and G.G. Mittelbach), 1 February 1987 through 31 January 1988. (Project 765144 - Continuation)

\$49,382.00 - National Science Foundation, Washington, D.C., Target Interception by Sonar in the Big Brown Bat, Eptesicus fuscus, Department of Zoology (W.M. Masters), 1 May 1987 through 30 April 1988. (Project 765902 - New)

\$46,857.00 - Department of Agriculture, Washington, D.C., Institutional Support from the Animal Health and Disease Research Act of 1977, College of Veterinary Medicine - Administration (R.A. Wright), 1 October 1986 through 30 September 1987. (Project 762621 - Continuation)

\$37,541.00 - Department of Health and Human Services, Public Health Service, Health Resources and Services Administration, Rockville, Maryland, Health Careers Opportunity Program (HCOP), College of Medicine - Administration (M. Tzagournis, J.H. Williams, and G.L. Trzebiatowski), 1 September 1987 through 31 August 1988. (Project 765421 - Continuation)

\$34,280.00 - National Science Foundation, Washington, D.C., Pliocene Glaciation in Southern Argentina, Byrd Polar Research Center (J.H. Mercer), 15 February 1987 through 31 January 1988. (Project 765881 - New)

\$32,000.00 - Department of the Air Force, Air Force Systems Command, Wright-Patterson Air Force Base, Ohio, Study of Electromagnetic

April 2 and 3, 1987 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

Scattering by Certain Types of Apertures and Cavities, Department of Electrical Engineering, ElectroScience Laboratory (P. Pathak), 1 July 1986 through 31 March 1987. (Project 764343 - Continuation)

\$29,500.00 - National Science Foundation, Washington, D.C., Multiple Hydrogen Bonding, Department of Chemistry (J. Hine and D. Meek), 1 January 1987 through 30 June 1987. (Project 764910 - Continuation)

\$26,004.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, The Toxicology of Hydantoins in Relation to Oral Biology, Department of Pharmacology (D. Couri and D.A. Von Deutsch), 1 January 1987 through 31 December 1987. (Project 764537 - Continuation)

\$22,100.00 - National Science Foundation, Washington, D.C., Application of Measure Theory to Banach Spaces and Probabilities, Department of Mathematics (M. Talagrand), 1 June 1987 through 31 May 1988. (Project 765478 - Continuation)

\$20,004.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Diabetic Microvascular Disease: Exercise Intervention, Department of Veterinary Physiology and Pharmacology (R.L. Hamlin), 1 March 1987 through 29 February 1988. (Project 765899 - New)

\$20,000.00 - National Science Foundation, Washington, D.C., Index Theoretical Applications of Harmonic Analysis on Lie Groups, Department of Mathematics (H. Moscovici), 1 July 1987 through 30 June 1988. (Project 764810 - Continuation)

\$17,750.00 - National Science Foundation, Washington, D.C., Singular Integral Operator Algebras on Singular Spaces, Department of Mathematics (A. Dynin), 1 July 1987 through 30 June 1988. (Project 765523 - Continuation)

\$12,145.00 - Department of the Army, Military Entrance Processing Command Station, Fort Sheridan, Illinois, The ASVAB and Related Training of Test Specialists, The National Center for Research in Vocational Education (R.D. Ryan, Jr.), 5 January 1987 through 30 November 1987. (Project 765626 - Continuation)

\$8,822.00 - National Science Foundation, Washington, D.C., U.S.-Austria Cooperative Research: Viscous-Inviscid Interaction near the Trailing-Tip of an Axisymmetric Body, Department of Aeronautical and Astronautical Engineering (R.J. Bodonyi), 1 September 1986 through 31 August 1988. (Project 765910 - New)

\$6,245.00 - Environmental Protection Agency, Chicago, Illinois, Acid Deposition Monitoring Program for Western Lake Erie, Center for Lake Erie Area Research (C.E. Herdendorf), 1 July 1986 through 30 June 1987. (Project 763579 - Continuation)

\$1,201.00 - Department of Education, Office of Special Education, Washington, D.C., Investigation of a Study Technique to Increase Learning

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

Disabled Students' Reading Comprehension of Expository Text, Department of Human Services Education (J.O. Cooper and S. McCormick), 1 October 1986 through 30 September 1987. (Project 765043 - Continuation)

TOTAL - FEDERAL AWARDS \$3,544,962.00

State of Ohio Research Contracts/Grants

\$71,050.00 - State of Ohio, Department of Development, Columbus, Ohio, Extraction, Separation and Analysis of High Sulphur Ohio Coal, Department of Chemistry (S.V. Olesik), 1 January 1987 through 31 March 1989. (Project 765906 - New)

\$50,000.00 - State of Ohio, Department of Development, Columbus, Ohio, Improving Freezer/Preserve Strawberry Quality and Yield, Department of Horticulture - OARDC (G.A. Cahoon, C.K. Chandler, and J.F. Gallander) and Department of Horticulture (W.T. Rhodus), 1 January 1987 through 31 December 1987. (Project 765892 - New)

TOTAL - STATE OF OHIO AWARDS \$ 121,050.00

Industrial Research Contracts/Grants

\$185,272.00 - International Business Machines, Milford, Connecticut, Serial EOM Interface, College of Pharmacy (C.L. Olson), 1 January 1987 through 31 December 1988. (Project 764715 - Continuation)

\$149,744.00 - Rockwell International, Los Angeles, California, Scattering Analysis Research, Department of Electrical Engineering, ElectroScience Laboratory (W.D. Burnside and L. Peters, Jr.), 1 January 1987 through 30 September 1987. (Project 765903 - Continuation)

\$144,052.00 - Rosemount, Inc., Burnsville, Minnesota, Scattering Measurement and Analysis of Aircraft Accessory Objects, Department of Electrical Engineering, ElectroScience Laboratory (J.D. Young), 29 January 1987 through 1 October 1987. (Project 765886 - Continuation)

\$95,000.00 - Ross Laboratories, Columbus, Ohio, Maximizing Yield of Specific Antibody in Mammary Secretion of Lactating Dairy Cows, Department of Dairy Science - OARDC (K.L. Smith), 1 January 1987 through 31 December 1987. (Project 765238 - Continuation)

\$70,581.00 - Rosemount, Inc., Burnsville, Minnesota, Moment Method of Scattering Analysis of Absorbed Coated Bodies, Department of Electrical Engineering, ElectroScience Laboratory (E.H. Newman), 29 January 1987 through 30 January 1988. (Project 765887 - Continuation)

\$70,000.00 - TRW, San Diego, California, Multifunction Antenna Study, Department of Electrical Engineering, ElectroScience Laboratory (B.A. Munk), 15 January 1987 through 30 September 1987. (Project 765410 - Continuation)

\$52,000.00 - Brunswick Corporation, Marion, Virginia, Hybrid Radome Research Studies, Department of Electrical Engineering, ElectroScience

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Industrial Research Contracts/Grants (contd)

Laboratory (B.A. Munk), 5 February 1987 through 30 September 1987.
(Project 765697 - Continuation)

\$50,000.00 - The J.M. Smucker Company, Orrville, Ohio, Improving Freezer/Preserve Strawberry Quality and Yield, Department of Horticulture - OARDC (G.A. Cahoon, C.K. Chandler, and J.F. Gallander) and Department of Horticulture (W.T. Rhodus), 1 January 1987 through 31 December 1987. (Project 765893 - New)

\$45,000.00 - Universal Energy Systems, Inc., Dayton, Ohio, Demonstration of Parallel Computation for a 3D-Rigid Viscoplastic Finite Element Method, Department of Computer and Information Science (K. Schwan, P. Sadayappan and B. Weide) and Department of Electrical Engineering (F.E. Ozguner), 1 October 1986 through 30 September 1987. (Project 765894 - New)

\$36,105.00 - Owens Illinois, Inc., Columbus, Ohio, Job/Task Analysis and Video Job Training Development - Nine Jobs, College of Education - Administration (J.J. Buffer), 1 January 1987 through 31 December 1987. (Project 765905 - Continuation)

\$24,286.75 - Hoechst-Roussel Pharmaceuticals, Inc., Somerville, New Jersey, An Open-Label Study of Oral RU 965 in the Treatment of Patients with Upper Respiratory Tract Infections Caused by Streptococcus pyogenes, College of Pharmacy (J.A. Visconti), 1 January 1987 through 31 December 1987. (Project 765916 - New)

\$14,921.00 - The Procter & Gamble Company, Cincinnati, Ohio, Continued Investigation of the Mode of Action of Selected Organic Substances on Bacterial Cells, Department of Microbiology (P.R. Dugan and R.M. Pfister), 1 February 1987 through 30 June 1987. (Project 765896 - Continuation)

\$9,996.00 - AT&T Bell Laboratories, Columbus, Ohio, A Needs Analysis of the Writing of Nonnative Speakers of English in the Work Setting, English/Second Language (R.N. Kantor), 1 February 1987 through 31 March 1987. (Project 765884 - New)

\$9,202.00 - Tektronix, Inc., Vancouver, Washington, Assisting Tektronix, Inc., in Marketing to Postsecondary Institutions, The National Center for Research in Vocational Education (R.D. Ryan, Jr.), 1 April 1987 through 30 April 1987. (Project 765831 - Continuation)

\$2,937.00 - Singer-Link, Inc., Binghamton, New York, Evaluation of the Esprit System Phase II, Department of Psychology (D.H. Owen), 20 January 1987 through 27 February 1987. (Project 765391 - Continuation)

\$1,073.00 - Boeing Company, Seattle, Washington, Range Performance Analysis, Department of Electrical Engineering, ElectroScience Laboratory (J.D. Young), 15 January 1987 through 31 January 1987. (Project 765862 - Continuation)

Total - INDUSTRIAL AWARDS

\$ 960,169.75

April 2 and 3, 1987 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

\$65,256.00 - Columbus Human Services Department, Columbus, Ohio, The Columbus Neighborhood Technical Assistance Program, City and Regional Planning (S.I. Gordon), 1 January 1987 through 31 December 1987. (Project 765836 - Continuation)

\$64,000.00 - American Cancer Society, Inc., New York, New York, Synthetic Catalysts That Act on Mononucleotides, Department of Chemistry (A.W. Czarnik), 1 January 1987 through 31 December 1987. (Project 764147 - Continuation)

\$58,833.00 - Battelle Memorial Institute, Columbus, Ohio, Natural Analog Study Technical Support, Department of Geology and Mineralogy (K.A. Foland), 1 October 1986 through 30 September 1987. (Project 764352 - Continuation)

\$58,410.00 - AO-Stiftung/ASIF-Foundation, Bern, Switzerland, Testing of Compatibility and Surface Conditions of New Titanium Alloys in Dogs, Department of Veterinary Clinical Sciences (M.L. Olmstead), 1 March 1987 through 30 September 1989. (Project 765900 - New)

\$45,600.00 - Battelle Memorial Institute, Columbus, Ohio, Interdisciplinary Research on Wear of Materials, Department of Metallurgical Engineering (D.A. Rigney), 1 September 1986 through 31 July 1987. (Project 764981 - Continuation)

\$35,000.00 - American Lung Association, New York, New York, Oxidant Injury in the Adult Respiratory Distress Syndrome (ARDS), Department of Internal Medicine (W.B. Davis), 1 July 1987 through 30 June 1988. (Project 765375 - Continuation)

\$25,520.00 - University of Connecticut, Farmington, Connecticut, Neuroanatomy of the Gustatory System, Oral Biology (M.C. Whitehead), 1 December 1986 through 30 November 1987. (Project 765897 - New)

\$25,000.00 - American Lung Association, New York, New York, Edward Livingston Trudeau Scholar Award, Department of Internal Medicine (P.M. Dorinsky), 1 July 1987 through 30 June 1988. (Project 764722 - Continuation)

\$23,858.00 - Florida International University, Miami, Florida, Consortium for the Development of Professional Materials for Vocational Education, The National Center for Research in Vocational Education (R.D. Ryan, Jr.), 1 July 1986 through 30 June 1987. (Project 765918 - Continuation)

\$20,306.00 - Winrock International, Morrilton, Arkansas, Forest Faculty Training Project, School of Natural Resources (C.B. Davis), 1 August 1986 through 31 July 1987. (Project 765890 - New)

\$19,000.00 - The Johns Hopkins University, Baltimore, Maryland, Induction of Acute Phase Proteins as a Sensitive Marker of Inflammation, Department of Microbiology (R.F. Mortensen), 1 February 1987 through 31 January 1988. (Project 765895 - New)

April 2 and 3, 1987 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)

\$15,000.00 - United States Golf Association, Far Hills, New Jersey, Effect of High Temperature Stress on the Survival Rate of Annual Bluegrass Biotypes, Department of Agronomy - OARDC and Department of Agronomy (T.K. Danneberger), 1 February 1987 through 31 January 1988. (Project 765232 - Continuation)

\$14,498.00 - North Carolina Department of Public Education, Raleigh, North Carolina, Consortium for the Development of Professional Materials for Vocational Education (R.D. Ryan, Jr.), 1 July 1986 through 30 June 1987. (Project 765907 - New)

\$12,000.00 - Brandeis University, Waltham, Massachusetts, An Evaluation of the Robert Wood Johnson Hospital Initiatives in Long-Term Care Programs, College of Social Work (C. Austin), 1 August 1986 through 31 July 1988. (Project 765883 - New)

\$11,350.00 - Iowa Department of Public Instruction, Des Moines, Iowa, A Third-Party Evaluation of the Iowa Curriculum Assistance System, The National Center for Research in Vocational Education (R.D. Ryan, Jr.), 1 February 1987 through 6 March 1987. (Project 765889 - New)

\$10,000.00 - United States Golf Association, Far Hills, New Jersey, Monoclonal Antibodies for Rapid Diagnosis of Summer Patch and Necrotic Ring Spot Diseases of Turfgrass, Department of Plant Pathology - OARDC and Department of Pathology (W.W. Shane) and Department of Pathology and Cooperative Extension State Operations (S.T. Nameth), 1 February 1987 through 31 January 1988. (Project 765882 - New)

\$7,000.00 - Delaware Department of Public Instruction, Dover, Delaware; Guam Community College, Guam; Iowa Department of Education, Des Moines, Iowa; and New York State Department of Education, Albany, New York, National Entrepreneurship Education Consortium, The National Center for Research in Vocational Education (R.D. Ryan, Jr.), 1 July 1986 through 30 June 1987. (Project 765533 - Continuation)

\$6,750.00 - Ira Kay Memorial Research Grant - Annual Simulation Symposium, Arlington, Virginia, Design of Priority Schemes in CSMA/CD Local Area Networks, Academic Faculty of Management Sciences (Y.L. Chang) and Academic Faculty of Accounting and Management Information Systems (S. Shen), 1 July 1986 through 30 June 1987. (Project 765901 - New)

\$5,425.00 - Comite Conjunto Hispano-Norteamericano para la Cooperacion Cultural y Educativa, Madrid, Spain, The Development of Partisanship and Spanish Democracy, Department of Political Science (B.M. Richardson and R.P. Gunther), 1 September 1986 through 31 August 1987. (Project 765417 - Continuation)

\$4,845.00 - Franklin County Board of Mental Retardation and Developmental Disabilities, Columbus, Ohio, Early Childhood Referral Network, Nisonger Center (V.L. Reynolds), 1 November 1987 through 31 December 1988. (Project 765811 - Continuation)

\$4,611.00 - American Animal Hospital Association, Denver, Colorado, Vitamin K₁ Bioavailability during Brodifacoum Toxicosis in the Dog,

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Other Non-Federal Research Contracts/Grants (contd)

Department of Veterinary Physiology and Pharmacology (D.K. Gerken) and Department of Veterinary Clinical Sciences (R.A. Sams), 1 January 1987 through 31 December 1987. (Project 765888 - New)

\$2,500.00 - Mississippi State Department of Education, Jackson, Mississippi, National Career Guidance Consortium, The National Center for Research in Vocational Education (R.D. Ryan, Jr.); 1 July 1986 through 30 June 1987. (Project 765651 - Continuation)

\$2,400.00 - Oregon Department of Education, Salem, Oregon, Extended Classroom Data Collection Activity for Oregon, The National Center for Research in Vocational Education (R.D. Ryan, Jr.), 10 November 1986 through 30 June 1987. (Project 765915 - New)

\$1,250.00 - Franklin County Board of Mental Retardation and Developmental Disabilities, Columbus, Ohio, Referral Service, Nisonger Center (M.J. Guralnick), 1 February 1986 through 31 January 1987. (Project 764647 - Continuation)

TOTAL - OTHER NON-FEDERAL AWARDS \$ 538,412.00

ENGINEERING EXPERIMENT STATION

Industrial and Other Sponsored Research and Development

\$82,890.00 - from 24 sponsors of 33 projects under the direction of three research areas of the College of Engineering.

\$29,000.00 - from various industry for membership in "The Engineering Research Center on Net-Shape Manufacturing," Engineering Experiment Station. (529200)

\$26,255.00 - Additional funding from Applied Information Technology Research Center, Columbus, OH, "An Environment for Supporting Translations among Different Representations of Similar Data Objects," Department of Computer and Information Science, 1 June 1986 through 30 June 1987. (529712, Ext. 1)

\$19,901.00 - SKF Engineering and Research Center, The Netherlands, "Fundamental Studies in Elastohydrodynamic Lubrication as Applied to Rolling Element Bearings," Department of Mechanical Engineering, 1 January 1987 through 31 December 1987. (529718)

\$11,843.00 - Lanxide Corporation, Newark, DE, "Chemical Modification of Refractory Components, Department of Metallurgical Engineering, 19 January 1987 through 31 March 1987. (312899)

\$7,500.00 - Welding Research Council, New York, NY, "Effect of Alloy Constitution and Cooling Rate on the Phase Transformation Characteristics and Properties of Weldments in Duplex Stainless Steels," Department of Welding Engineering, 1 January 1987 through 30 September 1987. (529723)

TOTAL - INDUSTRIAL AND OTHER SPONSORED RESEARCH \$ 177,389.00

April 2 and 3, 1987 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND

Establishment of Named Funds

The William A. Meiter Scholarship Fund

The William A. Meiter Scholarship Fund was established April 3, 1987, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from William A. Meiter, B.S.M.E. '27, Delray Beach, Florida, in memory of his immigrant parents who by hard work on a dairy farm near Damascus, Ohio, were able to provide a college education for their three sons.

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 shall be used to provide one or more scholarship award(s) to students entering or attending The Ohio State University, including its regional campuses and technical institute, from the West Branch School District, Damascus area. Selection of the award recipient(s) shall be made by the University Committee on Student Financial Aid at The Ohio State University in conjunction with the Scholarship Selection Committee of the Damascus Area Historical Society. All awards shall be based on financial need.

Should the need for this fund in the West Branch School District cease to exist or so diminish as to provide unused income, then the income may be used to provide scholarship support for students from the Salem School District, Salem, Ohio. A joint decision by the Damascus Area Historical Society and the University Committee on Student Financial Aid or its representative is required. Should the need for this fund cease to exist entirely, 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 Student Financial Aid.

The J. M. Shepherd Scholarship Fund

The J. M. Shepherd Scholarship Fund was established April 3, 1987, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from J. M. Shepherd, B.Cer.E. '58, M.B.A. '59, of 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 shall be awarded to students who have successfully combined athletics or other extracurricular activities with challenging academic study as evidenced by their major in chemistry in the College of Mathematical and Physical Sciences or in any field of engineering. Recipients of the scholarship shall be limited to Ohio residents with a record of academic achievement. Preference shall be given to students involved in intercollegiate athletics, including club level sports.

April 2 and 3, 1987 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 J. M. Shepherd Scholarship Fund (contd)

Should there be no such suitable candidates, the scholarships shall be awarded to students in the above-named academic areas who are actively involved in other extracurricular activities.

Recipients shall be selected by the Dean of the College of Engineering or his designee in consultation with the appropriate officials in the Departments of Chemistry and Athletics, and 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 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 Colleges of Engineering and Mathematical and Physical Sciences.

The George Stambaugh Memorial Fund

The George Stambaugh Memorial Fund was established April 3, 1987, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from the estate of Anna May Stambaugh, in memory of her father, George Stambaugh.

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 shall be used to benefit The Ohio State University Libraries, including support for personnel and/or the acquisition of such items as books, journals, supplies or equipment as determined by the Director of The Ohio State University Libraries. Any unused income shall be reinvested in the fund's 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 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 Ohio State University Libraries.

The Henry and Blanche Abell Endowment Fund

The Henry and Blanche Abell Endowment Fund was established April 3, 1987, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from Mr. Carl T. Abell, B.S.Dairy Tech. '49, Medina, Ohio, as recognition for and in honor of his parents, Henry and Blanche Abell.

April 2 and 3, 1987 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 Henry and Blanche Abell 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 shall be divided equally between the Department of Food Science and Nutrition in the College of Agriculture and the wrestling program in the Athletic Department. The use of said funds shall be at the discretion of the Chairperson of the Department of Food Science and Nutrition and the Coach and/or Director of the wrestling program.

Should the need for these funds cease to exist or so diminish in either of these programs or departments, then 100% of the annual income shall be distributed to the other department or program. Should the need for these funds cease to exist in both programs or departments, 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 officials of the University who are then directly responsible for the College of Agriculture and the Department of Athletics.

The Roy C. and Lillian M. Holdridge Scholarship Fund

The Roy C. and Lillian M. Holdridge Scholarship Fund was established April 3, 1987, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from Roy C. Holdridge, and others, of 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.

Twenty percent (20%) of the annual income shall be added to the fund's principal. The remaining eighty percent (80%) of the annual income shall be used to provide scholarship support for one or more qualified second year students enrolled at The Ohio State University Marion Campus who have indicated a major in Business. Selection of the scholarship recipients will be made by the University Committee on Student Financial Aid upon the recommendation of the Dean and Director of The Ohio State University at Marion. Unused income in any given year will be reinvested in the fund's principal.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income shall 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 scholarship awards to students of the Marion, Ohio, area.

April 2 and 3, 1987 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 Sugarbush Kennel Club Fund in Veterinary Medicine

The Sugarbush Kennel Club Fund in Veterinary Medicine was established April 3, 1987, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from the Sugarbush Kennel Club, 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 shall be used to provide a scholarship for one or more students in the College of Veterinary Medicine who are residents of Geauga County. Preference will be given to the student(s) that exhibit financial need. Selection of the award recipients shall be made by the University Committee on Student Financial Aid and approved by the Dean of the College of Veterinary 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 the recommendations from the appropriate administrative official of the University who is then directly responsible for veterinary medicine education.

The Lloyd W. Chapman Pharmacy Memorial Scholarship

The Lloyd W. Chapman Pharmacy Memorial Scholarship was established April 3, 1987, by the Board of Trustees of The Ohio State University with a gift to The Ohio State University Development Fund from Mrs. Lloyd W. Chapman, New Concord, Ohio, 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 shall be used to assist students in the College of Pharmacy who have demonstrated high academic achievement and a need for financial support. The selection of the award recipients shall be made by the appropriate College of Pharmacy faculty committee in consultation with the University Committee on Student Financial Aid.

Should the need for this fund cease to exist or so diminish 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 pharmacy education.

April 2 and 3, 1987 meeting, Board of Trustees

**EMPLOYMENT OF ARCHITECT/ENGINEER AND
REQUEST FOR CONSTRUCTION BIDS
RIGHTMIRE HALL - BIOCHEMISTRY REMODELING**

Resolution No. 87-112

Synopsis: Authorization to employ an architectural/engineering firm and request construction bids is proposed.

WHEREAS The Ohio State University is in the process of establishing a Biotechnology Center; and

WHEREAS approximately 5,800 square feet of space on the ground floor of Rightmire Hall will be renovated to establish research space and equipment for the biological chemistry area of the Department of Chemistry; and

WHEREAS \$675,000.00 will be made available for this project from Substitute House Bill 870 (the capital appropriations bill) enacted by the 116th General Assembly, of which approximately \$525,150.00 is estimated for construction:

NOW THEREFORE

BE IT RESOLVED, That the President and/or Vice President for Business and Administration, be authorized to select a qualified architectural/engineering firm for this project in conjunction with the Department of Administrative Services, and that the fees for this architectural/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 President and/or Vice President for Business and Administration, 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 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
ATHLETIC MAINTENANCE BUILDING
NORTH ATHLETIC FACILITY**

Resolution No. 87-113

Synopsis: Authorization to employ an architectural/engineering firm and request construction bids is proposed.

WHEREAS this project is a part of a master plan which addresses the total facility needs of the Department of Athletics; and

WHEREAS with the development of major new athletic facilities, additional space is needed for facilities maintenance and motor pool operations; and

April 2 and 3, 1987 meeting, Board of Trustees

**EMPLOYMENT OF ARCHITECT/ENGINEER AND
REQUEST FOR CONSTRUCTION BIDS
ATHLETIC MAINTENANCE BUILDING
NORTH ATHLETIC FACILITY (contd)**

WHEREAS this project provides for the construction of a maintenance facility to house athletic equipment for various sports, field equipment and materials used in the maintenance of the athletic facilities and grounds, and an overhaul and service area for motor vehicles for the Department of Athletics, including a service yard with lighting and fencing; and

WHEREAS the site development for this project includes an access drive from Fyffe Road along the south edge of a planned future paved parking area which will serve current and future athletic facilities in the area; and

WHEREAS \$250,000.00 will be made available from University funds for this project, of which \$200,000.00 is estimated for construction:

NOW THEREFORE

BE IT RESOLVED, That the President and/or Vice President for Business and Administration be authorized, in accordance with established University procedures, to select a qualified architectural/engineering firm for this project, to request construction bids on this project, and if satisfactory bids are received, to award the necessary contracts, with all actions to be reported to this Board at the appropriate time.

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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**REPORT OF AWARD OF CONTRACTS AND
ESTABLISHMENT OF CONTINGENCY FUNDS**

Resolution No. 87-114

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, 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:

LAZENBY HALL RENOVATION

Description: This project involves the complete renovation of the building, including heating, ventilation and air conditioning systems, water supply, electrical service, lighting, plumbing, interior walls, ceilings, floor finish, doors, windows, as well as exterior brick cleaning and tuck pointing. Construction is scheduled to begin May 1987, and be completed December 1988.

April 2 and 3, 1987 meeting, Board of Trustees

REPORT OF AWARD OF CONTRACTS AND
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)

LAZENBY HALL RENOVATION (contd)

General Contract

Date Received:	February 25, 1987
No. of Bids:	4
Low Bid:	\$2,641,800.00*+
High Bid:	\$3,112,921.00*
Estimate of Cost:	\$2,577,154.00*
Awarded to:	Sherman R. Smoot Co., Columbus, OH

Plumbing Contract

Date Received:	February 25, 1987
No. of Bids:	4
Low Bid:	\$ 153,700.00*
High Bid:	\$ 234,800.00*
Estimate of Cost:	\$ 184,106.00*
Awarded to:	Westland Mechanical Corp., Reynoldsburg, OH

HVAC Contract

Date Received:	February 25, 1987
No. of Bids:	5
Low Bid:	\$ 862,777.00*+
High Bid:	\$1,035,000.00*
Estimate of Cost:	\$ 823,786.00*
Awarded to:	ATF Mechanical, Columbus, OH

Fire Protection Contract

Date Received:	February 25, 1987
No. of Bids:	3

*Recommended alternates reflected in these figures.

+General Contract and HVAC Contract are in excess of filed estimate of cost; however, the total price of all contracts is within 10% of the total estimate of cost and is recommended for award as provided by Section 153.12 of the Revised Code.

April 2 and 3, 1987 meeting, Board of Trustees

REPORT OF AWARD OF CONTRACTS AND
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)

LAZENBY HALL RENOVATION (contd)

Fire Protection Contract (contd)

Low Bid:	\$ 48,011.00*
High Bid:	\$ 57,528.00*
Estimate of Cost:	\$ 51,925.00*
Awarded to:	Capital Fire Protection Co., Columbus, OH

Electric Contract

Date Received:	February 25, 1987
No. of Bids:	6
Low Bid:	\$ 520,200.00*
High Bid:	\$ 842,390.00*
Estimate of Cost:	\$ 578,338.00*
Awarded to:	Royal Electric Construction Corp., Columbus, OH

Total All Contracts:	\$4,226,488.00*
Total Contingency Allowance:	\$ 223,830.84 (which is 5.3% of construction costs)
Total Project Cost:	\$5,020,000.00
Funding:	SB 348; HB 870 and University Funds

*Recommended alternates reflected in these figures.

MCPHERSON (SAWTOOTH) REPLACEMENT - PHASE III
EVANS LABORATORY

Description: This phase of the project involves the renovation of Evans Laboratory to provide new research laboratory space and offices. Construction is scheduled to begin in the spring of 1987 and be completed in August 1987.

General Contract

Date Received:	February 11, 1987
No. of Bids:	9
Low Bid:	\$ 213,600.00*
High Bid:	\$ 254,400.00*

*Recommended alternates reflected in these figures.

April 2 and 3, 1987 meeting, Board of Trustees

REPORT OF AWARD OF CONTRACTS AND
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)

MCPHERSON (SAWTOOTH) REPLACEMENT - PHASE III
EVANS LABORATORY (contd)

General Contract (contd)

Estimate of Cost: \$ 244,147.00*
Awarded to: Ed Ross Construction Co., Westerville, OH

Plumbing Contract

Date Received: February 11, 1987
No. of Bids: 3
Low Bid: \$ 94,000.00*
High Bid: \$ 110,000.00*
Estimate of Cost: \$ 94,163.00*
Awarded to: C W Construction Co., Inc., Groveport, OH

HVAC Contract

Date Received: February 11, 1987
No. of Bids: 1
Low Bid: \$ 20,100.00
Estimate of Cost: \$ 25,000.00
Awarded to: F J Hoff Mechanical Inc., Columbus, OH

Electric Contract

Date Received: February 11, 1987
No. of Bids: 5
Low Bid: \$ 46,798.00*
High Bid: \$ 73,912.00*
Estimate of Cost: \$ 75,940.00*
Awarded to: Frush & Homan Inc., Columbus, OH

Total All Contracts: \$ 374,498.00*
Total Contingency Allowance: \$ 29,605.77 (which is 8% of construction costs)
Total Project Cost: \$ 460,000.00*

*Recommended alternates reflected in these figures.

April 2 and 3, 1987 meeting, Board of Trustees

REPORT OF AWARD OF CONTRACTS AND
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)

MCPHERSON (SAWTOOTH) REPLACEMENT - PHASE III
EVANS LABORATORY (contd)

Funding: SB 348 and University Funds

NEWTON HALL REMODELING

Description: This project involves the renovation and remodeling of several rooms in the basement of Newton Hall to provide teaching laboratories necessary to meet the program needs of the College of Nursing. Construction is scheduled to begin in May 1987, and be completed in October 1987.

General Contract

Date Received:	February 26, 1987
No. of Bids:	3
Low Bid:	\$ 174,202.00
High Bid:	\$ 193,163.00
Estimate of Cost:	\$ 221,709.00
Awarded to:	C W Construction Co., Inc., Groveport, OH

Plumbing Contract

Date Received:	February 26, 1987
No. of Bids:	1
Low Bid:	\$ 54,000.00 ⁺
Estimate of Cost:	\$ 48,155.00
Awarded to:	C W Construction Co., Inc., Groveport, OH

HVAC Contract

Date Received:	February 26, 1987
No. of Bids:	4
Low Bid:	\$ 38,640.00
High Bid:	\$ 41,719.00
Estimate of Cost:	\$ 42,253.00

+Plumbing Contract is in excess of filed estimate of cost; however, the total price of all contracts is within 10% of the total estimate of cost and is recommended for award as provided by Section 153.12 of the Revised Code.

April 2 and 3, 1987 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)**

NEWTON HALL REMODELING (contd)

HVAC Contract (contd)

Awarded to: Griffith Sheet Metal, Inc., Springfield,
OH

Electric Contract

Date Received: February 26, 1987

No. of Bids: 7

Low Bid: \$ 60,188.00

High Bid: \$ 104,000.00

Estimate of Cost: \$ 80,425.00

Awarded to: Royal Electric Construction Corp.,
Columbus, OH

Total All Contracts: \$ 327,030.00

Total Contingency Allowance: \$ 26,192.24 (which is 8% of construc-
tion costs)

Asbestos Abatement: \$ 54,450.00

Total Project Cost: \$ 445,650.00

Funding: SB 348; HB 870 U & R and University Funds

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. Barone, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**SALE OF REAL PROPERTY
4466 NORTH HIGH STREET
COLUMBUS, OHIO**

Resolution No. 87-115

Synopsis: Sale of property located at 4466 North High Street in Columbus, Ohio, is proposed.

WHEREAS in 1985 the Board of Trustees acquired the property located at 4466 North High Street by gift from the A. Sophie Rogers Foundation; and

April 2 and 3, 1987 meeting, Board of Trustees

**SALE OF REAL PROPERTY
4466 NORTH HIGH STREET
COLUMBUS, OHIO (contd)**

WHEREAS under the terms of this gift the property is to be sold and the net proceeds of the sale are to be used to support the Laboratory for Child and Family Studies in the College of Home Economics and to establish the A. Sophie Rogers Memorial Fund to provide continuing support for this program; and

WHEREAS the Lodge Investment Company, Inc., of Columbus, Ohio, has offered to purchase this property for \$330,000.00; and

WHEREAS it is the desire of this Board to accept the offer of the Lodge Investment Company, Inc., and to sell all of the Board's right, title, and interest in and to this property:

NOW THEREFORE

BE IT RESOLVED, That the President and/or the Vice President for Business and Administration be authorized, in the name of the Board of Trustees of The Ohio State University, to sell all of the University's right, title, and interest in and to the property located at 4466 North High Street to the Lodge Investment Company, Inc., with the net proceeds from such sale to be used to support the Laboratory for Child and Family Studies and to establish the A. Sophie Rogers Memorial Fund.

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

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REPORT - UNIVERSITY'S INVESTMENT PORTFOLIO

Resolution No. 87-116

RESOLVED, That the report on the University's Investment Portfolio, dated March 20, 1987, 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, May 7, 1987, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, at 6:30 p.m.

Attest:

Madison H. Scott
Secretary

Daniel M. Galbreath
Chairman

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

Columbus, Ohio, May 7 and 8, 1987

The Board of Trustees met at its regular monthly meeting on Thursday, May 7, and Friday, May 8, 1987, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, pursuant to adjournment.

* * *
Minutes of the last meeting were approved.

* * *

May 7 and 8, 1987 meeting, Board of Trustees

The Chairman, Mr. Galbreath, called the meeting of the Board of Trustees to order on May 7, 1987, at 3:05 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: Daniel M. Galbreath, Chairman, Edmund C. Redman, Shirley D. Bowser, John J. Barone, and Deborah E. Casto.

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Mr. Galbreath reconvened the meeting on May 8, 1987, at 10:35 a.m.

Present: Daniel M. Galbreath, Chairman, Edmund C. Redman, Leonard J. Immke, John W. Berry, Shirley D. Bowser, Hamilton J. Teaford, John J. Barone, Deborah E. Casto, and John W. Kessler.

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**ELECTION OF OFFICERS
BOARD OF TRUSTEES**

Resolution No. 87-117

Mr. Scott read the Nominating Committee's report in which the following slate of officers were recommended:

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 8, 1987) and shall hold their office through the May 1988 meeting:

NOW THEREFORE

BE IT RESOLVED, That the following slate of officers for 1987-88 be elected:

Edmund C. Redman, Chairman

Leonard J. Immke, Vice Chairman

Madison H. Scott, Secretary

James L. Nichols, Treasurer

Upon motion of Mr. Teaford, seconded by Ms. Casto, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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APPRECIATION TO DANIEL M. GALBREATH

President Jennings made the following statement:

Mr. Chairman, upon the election of new officers I would like, on behalf of all of The Ohio State University, as well as personally, to express our deep and abiding appreciation for all of the outstanding work that you, Dan Galbreath, have done for

May 7 and 8, 1987 meeting, Board of Trustees

APPRECIATION TO DANIEL M. GALBREATH (contd)

President Jennings: (contd)

Ohio State University. The time and the effort that you have expended for us have been well worth it. Nine years seems like a long time, but I know from your point of view it has gone by in a wink of an eye. All of us have benefited from your counsel, your support, your wisdom, and most particularly your understanding of the University and all of its various complexities and constituencies; and for that, Ohio State and I will be eternally grateful.

With that we would like to present to you a very small token of our appreciation to remind you, not only of your efforts through the last nine years, but particularly your efforts during the past year as Chairman of the Board of Trustees.

President Jennings presented Mr. Galbreath with a gavel, inscribed as follows, in recognition of outstanding service as a member and chairman of the Board of Trustees:

DANIEL M. GALBREATH

in appreciation of his service

to the Board of Trustees of

The Ohio State University

Member 1978-1987

Chairman 1986-1987

Mr. Galbreath made the following statement:

Thank you, Ed, I appreciate that. It's very, very nice -- I will cherish this. We had a Trustee's dinner last night and I said my farewells, so I will not do that again. But maybe at the end of the meeting I will have a comment or two, because I consider this to be a rare privilege to have had the opportunity to serve.

My father has joined us on my last day, my last hurrah, but for another reason as well. As perhaps some of you might know, we are in the thoroughbred business and have been very close to the Veterinary Hospital here. And as we have traveled around the country, literally, with our horses in competition, the doctors (the vets) that have graduated from Ohio State continually lead the rest of the country in their reputation, particularly in equine surgery. Sadly enough, my father's best three year old, who was an outside possible starter in the Derby this year, came up with a fracture about two months ago. Our trainer in New York said, "I would like to send him out to Dr. Bramlage at Ohio State." Again, more evidence of the reputation, not only of Dr. Bramlage, but other doctors such as Bob Copeland down in Lexington, and Dr. Reed, who travels the racing circuits in New York.

May 7 and 8, 1987 meeting, Board of Trustees

APPRECIATION TO DANIEL M. GALBREATH (contd)

Mr. Galbreath: (contd)

In this Capital Campaign that the University is involved in, one major emphasis is in upgrading and expanding the critical care area in this veterinary surgery area. My father and our family would like to announce a pledge of \$1.5 million towards the construction of that. I wanted my dad, obviously, to be here for that announcement.

You can be sure that as we travel in various circles, whether it be the thoroughbred or others, that we expound the virtues of this great University. And in no place, including Lexington, Kentucky, is the work that is done here at our Vet Clinic more appreciated. It is an honor for us to be able to give this particular surgery center an extra little boost. We have enjoyed that opportunity and look forward to its construction.

President Jennings:

Dan, this is a tremendous show of generosity on the part of yourself and the entire Galbreath family. I think it is significant, not only the generosity, but the recognition on the part of the Galbreath family of the truly national and international reputation that The Ohio State University Veterinary School enjoys, not only generally but specifically, in dealing with equine research. This is the type of generosity that will be extraordinarily important in that it provides us with that margin of excellence needed to maintain and continue to expand our quality. We particularly appreciate the faith and confidence that the Galbreath family has placed in Ohio State University, particularly the Vet School, by this tremendously generous gift. We think that we will be up to your confidence and hope to do better. Although, when you're the best in the nation, it's tough to continue to do better. We appreciate it and I think there is no question now that Columbus, Ohio, is the center of equine research and not Lexington, Kentucky.

Mr. Galbreath:

Mr. President, I appreciate you fitting that into your agenda and I might ask Mr. Redman, if he would chair this meeting as I go outside with my dad for a few minutes.

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NAMING OF BUILDING

Resolution No. 87-118

Synopsis: The naming of a building at the Agricultural Technical Institute is proposed.

WHEREAS the Board of Trustees, pursuant to rule 3335-1-08 (G) of the Ohio

May 7 and 8, 1987 meeting, Board of Trustees

NAMING OF BUILDING (contd)

Administrative Code, has the authority to name all buildings and structures at The Ohio State University; and

WHEREAS it has been requested that a proper name be given to the building at the Agricultural Technical Institute, now commonly known as "Phase I" and occupied since 1973; and

WHEREAS Jerry J. Halterman, the first Director of the Agricultural Technical Institute and an active participant at ATI from 1967 to 1978, labored unselfishly on behalf of the Institute and personally supervised the construction, staffing and operation of this building; and

WHEREAS the President recommended, with the concurrence of the President's staff, that the aforementioned building be named in honor of Jerry J. Halterman:

NOW THEREFORE

BE IT RESOLVED, That hereafter the building previously named Phase I at the Agricultural Technical Institute shall bear the name, "Jerry J. Halterman Hall."

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

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RENAMING OF DEPARTMENT

Resolution No. 87-119

Synopsis: A proposal to change the name of the Department of Genetics to the Department of Molecular Genetics is recommended.

WHEREAS the faculty of the College of Biological Sciences supports the renaming of the Department of Genetics to the Department of Molecular Genetics; and

WHEREAS the name Molecular Genetics more accurately reflects the orientation of the Department; and

WHEREAS the name change would better enable the Department to attract highly qualified faculty members and students; and

WHEREAS the name change would bring Ohio State's Department of Genetics in line with similar departments nationally; and

WHEREAS the University Senate approved the renaming of the Department of Genetics at their April 4, 1987 meeting:

NOW THEREFORE

BE IT RESOLVED, That the Department of Genetics be renamed the Department of Molecular Genetics, effective immediately.

May 7 and 8, 1987 meeting, Board of Trustees

RENAMING OF DEPARTMENT (contd)

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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AMENDMENTS TO THE RULES OF THE UNIVERSITY FACULTY

Resolution No. 87-120

Synopsis: Amendments to rules 3335-5-4816 and 3335-15-01 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 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 4, 1987, as follows:

AMENDED RULES

3335-5-4816 Committee on women and minorities.

(A) Membership.

The committee on women and minorities shall consist of eleven members.

(1) Six regular faculty.

(2) Three students.

(a) One graduate student.

(b) One professional student.

(c) One undergraduate student.

(3) Two administration members, non-voting.

(a) The vice provost for minority affairs, or designee.

(b) The executive officer for human relations, or designee.

(B) Duties and responsibilities.

(1) Study, evaluate, and make appropriate recommendations for programs to improve educational, employment, and advancement opportunities for women and minorities at the university.

(2) Evaluate university affirmative action policy and make appropriate recommendations to the senate, the president, or other interested parties.

May 7 and 8, 1987 meeting, Board of Trustees

AMENDMENTS TO THE RULES OF THE UNIVERSITY FACULTY (contd)

- (3) Oversee the administration of affirmative action grants and awards and where appropriate promote similar programs in the area of affirmative action.
- (4) Report from time to time, but at least annually, to the senate on the progress of affirmative action at the university.

3335-15-01 Masculine and feminine gender.

The language incorporated throughout these rules is intended to be inclusive and free of gender specific connotation. In those instances where gender specificity remains, unless specifically noted, it is to be considered as including both the masculine and feminine gender.

NOW THEREFORE

BE IT RESOLVED, That the foregoing 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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DEGREES AND CERTIFICATES - SPRING QUARTER COMMENCEMENT

Resolution No. 87-121

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

NOW THEREFORE

BE IT RESOLVED, That the degrees and certificates be conferred on June 12, 1987, 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. Berry, seconded by Mr. Barone, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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May 7 and 8, 1987 meeting, Board of Trustees

PERSONNEL ACTIONS

Resolution No. 87-122

RESOLVED, That the personnel actions as recorded in the Personnel Budget Records of the University since the April 3, 1987 meeting of the Board, including the following Leaves of Absence Without Salary, Leave of Absence Without Salary--Continuation, Professional Improvement Leaves--Change of Dates, and Emeritus Titles as detailed in the University Budget be approved.

Leaves of Absence Without Salary

MARI R. JONES, Professor, Department of Psychology, effective Spring Quarter 1987, to accept a Fellowship at The Netherlands Institute for Advanced Studies.

DOUGLAS D. SOUTHGATE, Associate Professor, Department of Agricultural Economics and Rural Sociology - OARDC, effective April 1, 1987, through June 30, 1987, to accept a Fulbright Fellowship in Ecuador.

ANN DOBYNS, Assistant Professor, Department of English, effective Autumn Quarter 1987 and Winter Quarter 1988, to complete her book.

BRUCE R. GAUMNITZ, Assistant Professor, Academic Faculty of Accounting and Management Information Systems, effective Autumn Quarter 1987, Winter Quarter and Spring Quarter 1988, in order to undertake a concentrated program of academic research.

JAMES M. PEARCE, JR., Assistant Professor, Department of English, effective Autumn Quarter 1987, Winter Quarter and Spring Quarter 1988, to accept a Fellowship at the University of California at Berkeley.

Leave of Absence Without Salary--Continuation

CATHERINE L. WOOD, Assistant Professor, Departments of Internal Medicine and Pharmacology, effective May 1, 1987, through August 31, 1987, for personal reasons.

Professional Improvement Leaves--Change of Dates

STEPHEN S. PINSKY, Professor, Department of Physics, change leave from Winter Quarter and Spring Quarter 1987, to Winter Quarter 1987.

ZARIFE SAHENK, Associate Professor, Department of Neurology, change leave from October 1, 1986, through July 31, 1987, to October 1, 1986, through May 14, 1987.

Emeritus Titles

WILLIAM H. HALVERSON, University College Administration, with the title Associate Dean Emeritus, effective February 1, 1987.

GEORGE A. BARBER, Department of Biochemistry, with the title Professor Emeritus, effective April 1, 1987.

STUART L. PETRIE, Department of Aeronautical and Astronautical Engineering, with the title Professor Emeritus, effective July 1, 1986.

May 7 and 8, 1987 meeting, Board of Trustees

PERSONNEL ACTIONS (contd)

Emeritus Titles (contd)

PAUL A. HICKFANG, School of Music, with the title Associate Professor Emeritus, effective July 1, 1987.

Upon motion of Ms. Casto, seconded by Mr. Barone, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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RESOLUTIONS IN MEMORIAM

Resolution No. 87-123

Synopsis: Resolutions honoring the service of three 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.

George L. Lewis

The Board of Trustees of The Ohio State University, expresses its sorrow upon the death on April 16, 1987, of George L. Lewis, Professor Emeritus in the Department of Educational Theory and Practice.

Professor Lewis was born on March 12, 1916. He received Bachelor of Arts and Master of Arts degrees from Brigham Young University and a Ph.D. from the University of Denver in 1954. During World War II, he served as a radio operator with the Army Air Corps.

Dr. Lewis joined the faculty in 1956, serving as Assistant Professor, Associate Professor, and then Professor of Speech and Theater Education in the Humanities Education Program of the Department of Educational Theory and Practice. Upon his retirement in 1985, he was named Professor Emeritus.

Professor Lewis served as Chairman for Graduate Studies in Education from 1957 to 1961. He developed a vigorous children's theater program and directed many children's theater productions on Campus. He authored nearly fifty articles, reviews, and books.

On behalf of the University community, the Board of Trustees expresses to the family of George Lewis its deepest sympathy. 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.

H. Farrand Livingston

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on March 9, 1987, of H. Farrand Livingston, Professor Emeritus in the College of Social Work.

May 7 and 8, 1987 meeting, Board of Trustees

RESOLUTIONS IN MEMORIAM (contd)

H. Farrand Livingston (contd)

Professor Livingston was born December 1, 1907. He received a Bachelor of Arts degree from Yankton College in 1929. For several years he was Chief of the Social Security Administration for the State of South Dakota. He received his MA degree in social service administration from the University of Chicago in 1940.

Professor Livingston joined the faculty of The Ohio State University as an Associate Professor in 1947. He served as an Associate Professor until 1961 when he was promoted to Professor. He served as Professor until his retirement in June 1973. Upon his retirement, Professor Livingston was awarded the rank of Professor Emeritus.

Professor Livingston was the author of several studies related to the nation's experiences during the great depression including works on the CCC, AFDC and Public Welfare. He also gave leadership to the development of national standards for child adoptions and child welfare practices.

On behalf of the University community, the Board of Trustees expresses to the family of H. Farrand Livingston its deepest sympathy. 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.

Minnie Price

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on February 21, 1987, of Minnie Price, Professor Emeritus in the Ohio Cooperative Extension Service.

Minnie Price was born December 2, 1888, in Kings Valley, Oregon, and received a Bachelor of Science degree from Oregon State College in 1911. Later, she received a Bachelor of Science degree in Home Economics and Education in 1915 and a Master of Arts degree in Education and Sociology in 1930, both from Columbia University.

Miss Price began her teaching career in an Oregon one-room county school. She became the first county home demonstration agent in New England in 1915. She came to The Ohio State University in 1921 as an Assistant State Home Demonstration Leader and was appointed to the post of State Home Demonstration Leader in 1923, remaining in that position until her retirement in 1951.

After retirement, Minnie Price continued to be involved with home economics related activities serving as Extension Home Economist with the Organization of American States headquartered in Lima, Peru. She was a member of the American and Ohio Home Economics Association; League of Women Voters; Ohio Congress of Parents and Teachers; the American Adult Education Association; and enjoyed working as a hospital volunteer. In her distinguished career, Minnie Price was selected as a representative to the Executive Committee of the National Association of Land Grant Colleges and Universities; received a Superior Service Award from the U.S. Department of Agriculture in May 1950; and received The Ohio State University Centennial Award for Distinguished Service in 1970.

May 7 and 8, 1987 meeting, Board of Trustees

RESOLUTIONS IN MEMORIAM (contd)

Minnie Price (contd)

Minnie Price was a true pioneer in her field, a great innovator in the early-day education for women, and enjoyed a long and distinguished career holding the highest of ideals for herself and expected nothing less from those around her. In this model role, she was highly respected by her associates throughout the State and country. Two scholarships bearing her name were established, one at The Ohio State University and one at Oregon State University.

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.

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

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REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS

Resolution No. 87-124

Synopsis: The reports on contracts, grants, and gifts and the summary for March 1987 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, The Ohio State University Development Fund, and The Ohio State University Foundation:

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 State University Development Fund, and The Ohio State University Foundation during the month of March 1987 be approved.

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

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May 7 and 8, 1987 meeting, Board of Trustees

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

SUMMARY FOR MARCH 1987

Source	No. of Projects	Support Level
The Ohio State University Research Foundation	110	\$6,175,127.14
Engineering Experiment Station	49	\$ 195,142.00
Total	159	\$6,370,269.14
The Ohio State University Development Fund		
Establishment of Named Funds		
The Isadore and Ida Topper Professorship in Law (Support and recognize the work of a distinguished scholar and teacher)		\$ 250,000.00
The Dunning, Higham, Mucil and Sprock Fund in Industrial & Systems Engineering (Aid the research, teaching, service program/facilities and alumni functions)		\$ 20,000.00
Dr. H. Wayne Ramsey Memorial Scholarship in Music Education (Scholarships)		\$ 16,320.00
The Donald N. and Eleanor L. Friend Scholarship Fund (Scholarships - major in finance)		\$ 15,063.75
The Helen C. Freyhof Athletic Scholarship Fund (Supplement the grant-in-aid fund for qualified student-athletes who are members of the women's basketball team)		\$ 15,000.00
The Walter Rudin Pace Setter Junior Scholarship (Scholarships)		\$ 10,000.00
The Maude Taylor Stout Instrumental Music Scholarship Fund (Scholarships)		\$ 10,000.00
The Thomas E. Leontis Lecture in Modern Greek Studies (Support a lectureship)		\$ 5,000.00
Change in Description of Named Fund		
The William M. and Frances Smith Junk Endowed Fund		

May 7 and 8, 1987 meeting, Board of Trustees

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

SUMMARY FOR MARCH 1987 (contd)

The Ohio State University Development Fund (contd)

Change of Name and Description of Named Fund

From: The Frank E. and Harriet E. Hedrick
Scholarship Endowment Fund
To: The Frank E. and Harriet E. Hedrick
Aviation Student Award Fund

The Ohio State University Foundation

Approval of Descriptions and Establishment
of Funds

Portion Transferred
for Program Support*

The Bank One Chair for Excellence Fund
(Establish a Chair)

The William H. Davis Medical Research
Center Fund
(Support the basic and applied clinical
research activities into the cause, cure,
and prevention of human illnesses and disorders
common during normal aging)

The Dorothy M. Davis Chair in Cancer Research Fund
(Chair shall be established to advance cancer
research)

The John G. and Jeanne B. McCoy Fund
(Jointly divided between the President of The
Ohio State University and the Dean of the
College of Medicine and shall be expended by
them without restriction)

Change in Description of Named Chair

The John Deaver Drinko - Baker & Hostetler
Chair in Law

*Portion transferred is to be specified annually in a report submitted by
the University Treasurer.

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

The Ohio State University Campaign
 Progress Report
 Through March 31, 1987

	*Campaign Expectancies	Current Year Campaign Receipts (July-Mar. 87)	Previous Years' Campaign Receipts As of June 30, 1986	Total	Campaign Goal	% Achieved
Alumni	\$53,349,302	\$12,538,558	\$12,112,433	\$78,000,293	\$122,500,000	64
Friends	30,262,067	8,214,046	10,625,810	49,101,923	70,000,000	70
Corporations	11,983,850	11,033,117	15,929,855	38,946,822	122,500,000	32
Foundations	<u>2,695,500</u>	<u>2,425,416</u>	<u>3,425,615</u>	<u>8,546,531</u>	<u>35,000,000</u>	24
Univ. Dev. Totals	\$98,290,719	\$34,211,137	\$42,093,713	\$174,595,569	\$350,000,000	50
Grants Rec'd by Office of Sponsored Programs			<u>17,217,522</u>	<u>17,217,522</u>		
Grand Total	\$98,290,719	\$34,211,137	\$59,311,235	\$191,813,091	\$350,000,000	55

*Defined as pledges and deferred commitments less payments already received.

REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (cont'd)

THE OHIO STATE UNIVERSITY
 OFFICE OF UNIVERSITY DEVELOPMENT
 OSU FOUNDATION & DEVELOPMENT FUND RECEIPTS

July-March
 1985-86 compared to 1986-87

GIFT RECEIPTS BY DONOR TYPE

	Donors			Dollars		
	July 1985-86	July through March 1986-87	% Change	July through March 1985-86	July through March 1986-87	% Change
Alumni	35,637	40,644	14	\$6,924,160	\$12,538,558	81
Non-Alumni	17,869	19,184	7	4,587,273	8,214,046	79
Corporations	1,184	1,363	15	4,928,409	7,550,754	53
Corporate Foundations	207	239	15	1,526,116	1,507,234	(1)
Private Foundations	100	110	10	2,597,170	2,425,416	(7)
Other	<u>484</u>	<u>552</u>	14	<u>1,190,524</u>	<u>1,975,129</u>	66
TOTAL	55,481	62,092	12	\$21,753,652	\$34,211,137	57

May 7 and 8, 1987 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION

Report - March 1987

Federal Research Contracts/Grants

\$255,470.00 - Department of Health and Human Services, Public Health Service, Center for Disease Control, Atlanta, Georgia, Development of a Multisized Hybrid III Dummy, Department of Mechanical Engineering (R. L. Stalnaker), 1 April 1987 through 31 March 1988. (Project 765973 - New)

\$237,189.00 - Department of Health and Human Services, Public Health Service, Alcohol, Drug Abuse and Mental Health Administration, Bethesda, Maryland, Caregivers of AD Victims: Stress and Mental Health, Department of Psychiatry (J. Kiecolt-Glaser) and Department of Medical Microbiology and Immunology (M. R. Glaser), 1 April 1987 through 31 March 1988. (Project 765958 - New)

\$189,239.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Cytotoxic Cocarcinogenic and Antileukemic Agents, Department of Chemistry (L. A. Paquette), 1 June 1987 through 31 May 1988. (Project 763284 - Continuation)

\$168,968.00 - Department of Health and Human Services, Public Health Service, Health Resources Services Administration, Rockville, Maryland, Advanced Nurse Training: Proposal for Doctoral Program, Department of Family and Community Nursing (E. M. Menke), 1 March 1987 through 29 February 1988. (Project 764615 - Continuation)

\$158,530.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Synthesis of Unusual Biologically Active Terpenes, Department of Chemistry (L. A. Paquette), 1 April 1987 through 31 March 1988. (Project 763497 - Continuation)

\$156,442.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, RNA Splicing in Neurospora Mitochondria, Department of Genetics (A. M. Lambowitz), 1 April 1987 through 31 March 1988. (Project 765596 - Continuation)

\$150,000.00 - National Aeronautics and Space Administration, Langley Research Center, Hampton, Virginia, Radar Cross Section Studies, Department of Electrical Engineering, ElectroScience Laboratory (W. D. Burnside), 1 March 1987 through 30 April 1987. (Project 761608 - Continuation)

\$139,348.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Metabolism of (N-3) Fatty Acids, Department of Physiological Chemistry (H. W. Sprecher), 1 April 1987 through 31 March 1988. (Project 760745 - Continuation)

\$136,504.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Epstein-Barr

May 7 and 8, 1987 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

Virus DNA in Transfected Cells, Department of Medical Microbiology and Immunology (M. R. Glaser), 1 April 1987 through 31 March 1988. (Project 762623 - Continuation)

\$133,000.00 - Department of the Army, Army Research Office, Research Triangle Park, North Carolina, Acoustic Microscope for Advanced Materials -- Characterization and Nondestructive Evaluation, Department of Welding Engineering (L. Adler), 12 February 1987 through 11 February 1988. (Project 765898 - New)

\$125,294.00 - National Aeronautics and Space Administration, Lewis Research Center, Cleveland, Ohio, Measurement of the Properties of Lossy Materials Inside a Finite Conducting Cylinder, Department of Electrical Engineering, ElectroScience Laboratory (L. Peters, Jr.), 20 February 1987 through 19 February 1988. (Project 765938 - New)

\$119,000.00 - Department of the Army, Army Research Office, Research Triangle Park, North Carolina, Synthesis, Characterization and Reactivity of Cobalt (II) -- Dioxygen Complexes in Zeolite Cavities -- Request for Instrumentation, Department of Chemistry (P. K. Dutta), 16 February 1987 through 15 February 1988. (Project 765924 - New)

\$111,241.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Oral Tolerance in Allergic Encephalomyelitis, Department of Medical Microbiology and Immunology (C. C. Whitacre), 1 April 1987 through 31 March 1988. (Project 765266 - Continuation)

\$110,956.00 - Department of Transportation, National Highway Traffic Safety Administration, East Liberty, Ohio, Unified Head Injury Theory, Department of Mechanical Engineering (R. L. Stalnaker), 1 July 1986 through 31 December 1987. (Project 764510 - Continuation)

\$102,662.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Synthesis of Biologically Active Alkaloids, Department of Chemistry (D. J. Hart), 1 April 1987 through 31 March 1988. (Project 762083 - Continuation)

\$85,000.00 - Department of the Army, Army Research Office, Research Triangle Park, North Carolina, Prophylactics and Antidotes Against Acetylcholinesterase Inhibition, College of Pharmacy (D. T. Witiak), 1 March 1987 through 29 February 1988. (Project 765926 - New)

\$79,000.00 - Department of Energy, Argonne, Illinois, Study of the Basis for the Competitiveness of Rhizobium japonicum in the Nodulation of Soybean, Department of Agronomy - OARDC and Department of Agronomy (W. D. Bauer), 15 May 1987 through 14 May 1988. (Project 765360 - Continuation)

\$77,360.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Computer Based Pathology Consultation Submodule, Department of Pathology (J. W.

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

Smith), 1 March 1987 through 29 February 1988. (Project 764606 - Continuation)

\$76,344.00 - National Aeronautics and Space Administration, Lewis Research Center, Cleveland, Ohio, Engineering Calculations for Communications Satellite Systems Planning, Department of Electrical Engineering, ElectroScience Laboratory (E. K. Walton) and Department of Industrial and Systems Engineering (C. H. Reilly), 12 February 1987 through 10 August 1987. (Project 762552 - Continuation)

\$75,597.00 - Department of Transportation, National Highway Traffic Safety Administration, East Liberty, Ohio, Omnidirectional Dummy Head and Neck, Department of Mechanical Engineering (R. L. Stalnaker), 1 January 1987 through 31 December 1987. (Project 763945 - Continuation)

\$73,730.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Receptor Regulation of Adrenal Catecholamine Secretion, College of Pharmacy (D. B. McKay), 1 April 1987 through 31 March 1988. (Project 765968 - New)

\$68,000.00 - National Science Foundation, Washington, D.C., Experimental Study of Metal Films, Department of Physics (T. R. Lemberger), 1 March 1987 through 29 February 1988. (Project 765249 - Continuation)

\$67,074.00 - Department of Education, Office of Special Education and Rehabilitative Services, Washington, D.C., Special Projects -- Project LRE/PE, Department of Human Services Education and School of Health, Physical Education and Recreation (P. Jansma), 1 July 1987 through 30 June 1988. (Project 765970 - Continuation)

\$62,916.00 - Department of Transportation, Transportation System Center, Cambridge, Ohio, Research into the Correlation of Accidents, Human Error and Critical Element Failure in Aviation -- Technical Task Direction #3: Pilot Weather Knowledge, Department of Industrial and Systems Engineering (T. H. Rockwell), 19 February 1987 through 18 November 1987. (Project 765196 - Continuation)

\$54,255.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Argon Laser Trabeculoplasty Glaucoma Trial, Department of Ophthalmology (P. A. Weber), 22 February 1987 through 21 February 1988. (Project 764587 - Continuation)

\$51,517.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Computer-Based Pathology Consultation, Department of Pathology (J. W. Smith), 1 March 1987 through 29 February 1988. (Project 764598 - Continuation)

\$50,000.00 - National Science Foundation, Washington, D.C., High Resolution X-Ray Diffraction Studies of Silicate Minerals, Department of

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

Geology and Mineralogy (J. W. Downs), 1 June 1987 through 31 May 1988.
(Project 765971 - New)

\$49,995.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, Mixing in Supersonic Shear Layers, Department of Mechanical Engineering (M. Samimy), 1 February 1987 through 31 January 1988.
(Project 765931 - New)

\$48,379.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Flow Cytometric Analysis of Oral Actinobacillus, Department of Periodontics (W. Buchanan), 1 March 1987 through 29 February 1988. (Project 765251 - Continuation)

\$45,000.00 - National Aeronautics and Space Administration, Washington, D.C., Cellular Polarity and Interactions in Plant Gravid Perception, Department of Botany (F. D. Sack), 15 December 1986 through 14 December 1987. (Project 764883 - Continuation)

\$43,026.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Syntactic and Interpretive Processes in Coreference, Department of Linguistics (R. W. Cowart), 1 March 1987 through 29 February 1988. (Project 765967 - New)

\$38,400.00 - National Science Foundation, Washington, D.C., Topics in the Foundation of Mathematics, Department of Mathematics (H. Friedman), 1 July 1987 through 30 June 1988. (Project 765466 - Continuation)

\$32,490.00 - Department of Transportation, National Highway Traffic Safety Administration, East Liberty, Ohio, Passenger Car Handling and Stability Research, Phase 2, Department of Mechanical Engineering (L. A. Kennedy), 1 November 1986 through 31 March 1987. (Project 765097 - Continuation)

\$30,000.00 - Department of Commerce, National Oceanic and Atmospheric Administration, Rockville, Maryland, Sea Grant Internship -- Education, Center for Lake Erie Area Research (J. M. Reutter), 1 February 1987 through 31 January 1988. (Project 764320 - Continuation)

\$29,992.00 - National Science Foundation, Washington, D.C., Shape Perception, Department of Electrical Engineering (H. N. Hemami), 1 February 1987 through 31 July 1988. (Project 765947 - New)

\$27,006.00 - National Aeronautics and Space Administration, Lewis Research Center, Cleveland, Ohio, Experimental Study of Organized Structures in a Supersonic Shear Layer, Department of Mechanical Engineering (M. Samimy), 1 March 1987 through 29 February 1988. (Project 765794 - Continuation)

\$25,000.00 - Department of Education, Washington, D.C., Application for a Grant to Plan the National Center for Research in Vocational Education,

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

The National Center for Research in Vocational Education (R. D. Ryan, Jr.), 1 March 1987 through 31 July 1987. (Project 765944 - New)

\$24,168.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Recent Advances in Otitis Media: Research Conference, Department of Otolaryngology (D. J. Lim), 1 May 1987 through 31 March 1988. (Project 765948 - New)

\$24,000.00 - National Science Foundation, Washington, D.C., Mathematical Sciences: Problems Related to Graph Well-Quasi Ordering, Department of Mathematics (N. Robertson), 1 July 1987 through 30 June 1988. (Project 764642 - Continuation)

\$22,000.00 - Department of Agriculture, Agricultural Research Service, Washington, D.C., Development and Use of a Model Student Recruitment Program for U.S. Colleges of Agriculture, College of Agriculture - Administration (K. W. Reisch), 1 July 1987 through 30 June 1988. (Project 763701 - Continuation)

\$18,000.00 - National Science Foundation, Washington, D.C., Flora of Chile, Department of Botany (T. F. Stuessy), 15 April 1987 through 14 April 1989. (Project 765975 - New)

\$16,800.00 - National Science Foundation, Washington, D.C., Second Law Aspects of Thermal Design -- A Joint Seminar/Workshop: U.S.-Italy, Department of Mechanical Engineering (M. J. Moran), 1 April 1987 through 30 September 1988. (Project 765960 - New)

\$16,350.00 - National Science Foundation, Washington, D.C., Iwasawa Invariants and p-Adic L-Functions, Department of Mathematics (W. M. Sinnott), 1 July 1987 through 30 June 1988. (Project 765405 - Continuation)

\$12,737.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Synthesis of Polyquinane and Related Natural Products, Department of Chemistry (L. A. Paquette), 1 July 1987 through 30 June 1988. (Project 762298 - Continuation)

\$10,000.00 - Department of Agriculture, Forest Service, Double Springs, Alabama, Cave Resource Survey on the Bankhead National Forest, Department of Entomology (W. C. Welbourn and D. E. Johnston), 1 March 1987 through 30 August 1988. (Project 765930 - New)

\$10,000.00 - National Aeronautics and Space Administration, Ames Research Center, Moffett Field, California, Intensity and Broadening Coefficients of Selected CO₂ Lines in the Infrared, Department of Physics (K. N. Rao), 1 October 1986 through 30 September 1987. (Project 765684 - Continuation)

\$8,075.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Solution

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

Structure of Ribosomal 5S RNA and 5.8S RNA, Departments of Chemistry and Biochemistry and Chemical Instrumentation Center (A. G. Marshall), 1 October 1987 through 31 December 1987. (Project 762523 - Continuation)

\$6,968.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Analysis of Local Circuitry in the Inferior Olive, Department of Anatomy (G. A. Bishop), 1 March 1987 through 29 February 1988. (Project 763013 - Continuation)

\$6,000.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Minority High School Student Research Apprenticeship Program/Biological Science, Office of Minority Affairs (L. G. Morrow), 1 March 1987 through 29 February 1988. (Project 765966 - Continuation)

\$6,000.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Minority High School Student Research Apprenticeship Program/Medicine, Office of Minority Affairs (L. G. Morrow), 1 March 1987 through 29 February 1988. (Project 765963 - Continuation)

\$6,000.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Minority High School Student Research Apprenticeship Program/Pharmacy, Office of Minority Affairs (L. G. Morrow), 1 March 1987 through 29 February 1988. (Project 765965 - Continuation)

\$6,000.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Minority High School Student Research Apprenticeship Program/Veterinary Medicine, Office of Minority Affairs (L. G. Morrow), 1 March 1987 through 29 February 1988. (Project 765964 - Continuation)

\$4,637.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Cellular PD and Ion Activities in Renal Proximal Tubules, Department of Physiology (B. A. Biagi), 1 January 1987 through 31 December 1987. (Project 763050 - Continuation)

\$3,904.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Neural Control of Human Intestinal Mucosa, Department of Physiology (H. J. Cooke), 1 January 1987 through 31 December 1987. (Project 765037 - Continuation)

\$2,592.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Intestinal Bypass Surgery in Hibernation, Department of Physiology (H. J. Cooke), 16 January 1987 through 31 December 1987. (Project 765844 - 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)

\$2,568.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Biology of Basal Cell Carcinoma, Department of Internal Medicine (R. E. Grimwood), 1 January 1987 through 31 December 1987. (Project 765145 - Continuation)

Equipment - Department of Energy, Morgantown, West Virginia, Energy-Related Laboratory Equipment, Engineering Experiment Station (J. W. Talnagi), 1 March 1987 through 30 May 1987. (Project 765951 - New) (Estimated Value - \$4,340)

TOTAL - FEDERAL AWARDS \$3,690,723.00

State of Ohio Research Contracts/Grants

\$50,000.00 - State of Ohio, Department of Natural Resources, Columbus, Ohio, Litter Control and Recycling Education Program, Cooperative Extension State Operations (J. D. Rohrer), 4 February 1987 through 28 February 1988. (Project 763404 - Continuation)

\$23,309.00 - State of Ohio, Department of Development, Columbus, Ohio, Managing Child Behavior, College of Medicine - Administration (G. L. Trzebiatowski), 1 April 1987 through 31 March 1988. (Project 765936 - New)

\$9,730.00 - State of Ohio, Department of Aging, Columbus, Ohio, Program Review: The Passport Program, College of Social Work (C. Austin), 1 December 1986 through 31 March 1987. (Project 765949 - New)

\$9,489.00 - State of Ohio, Department of Development, Columbus, Ohio, Teen Parenting Project, Cooperative Extension Field Operations (B. J. Wurzel), 1 April 1987 through 31 March 1988. (Project 765319 - Continuation)

\$3,300.00 - State of Ohio, Department of Mental Health, Columbus, Ohio, Social Psychological Factors Related to the Quality of the Step-Mother Adolescent Relationships, Department of Economics - OARDC and Department of Family Relations and Human Development (B. M. Newman), 6 February 1987 through 30 June 1987. (Project 765954 - New)

TOTAL - STATE OF OHIO AWARDS \$ 95,828.00

Industrial Research Contracts/Grants

\$220,669.00 - Boeing Company, Seattle, Washington, Compact Range Performance Analysis, Department of Electrical Engineering, ElectroScience Laboratory (J. D. Young), 1 February 1987 through 1 December 1987. (Project 765919 - Continuation)

\$173,963.00 - Boots Pharmaceuticals, Inc., Shreveport, Louisiana, BPI916-01 Study, Flosequinan 100 mg -- Effect on Respiratory Response and Duration of Exercise, Department of Internal Medicine (C. V. Leier), 1 February 1987 through 31 January 1989. (Project 765932 - New)

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Industrial Research Contracts/Grants (contd)

\$97,411.00 - E.I. Dupont de Nemours & Company, Wilmington, Delaware, Development of Lymphokine Activated Killer Cell Adoptive Transfer Therapy in Man, Department of Internal Medicine (J. J. Rinehart), 1 July 1986 through 13 February 1988. (Project 764609 - Continuation)

\$87,113.00 - American Biosystems, Inc., Marine on St. Croix, Minnesota, Development of an Antifertility Vaccine for Veterinary Applications, Department of Obstetrics and Gynecology (V. C. Stevens), 1 March 1987 through 28 February 1988. (Project 765957 - New)

\$86,981.00 - The Upjohn Company, Kalamazoo, Michigan, Dose-Finding Study for Nicorandil (U-64,417) in Patients with Exertional Angina Pectoris -- TID Dosing, Department of Internal Medicine (H. Boudoulas and N. J. Davakis), 19 August 1986 through 30 June 1987. (Project 765925 - New)

\$71,465.00 - Burroughs Wellcome Co., Research Triangle Park, North Carolina, Dose-Range Finding and Safety of BW t-PA When Given by Continuous Intravenous Infusion for Up to 24 Hours to Patients with Acute Myocardial Infarction (MI), Department of Internal Medicine (R. D. Magorien), 9 September 1986 through 8 September 1987. (Project 765933 - New)

\$65,000.00 - Air Products and Chemicals, Inc., Allentown, Pennsylvania, Chelate Dioxide Carriers for Use in Facilitated Transport, Department of Chemistry (D. H. Busch), 1 February 1987 through 31 January 1988. (Project 763432 - Continuation)

\$58,341.24 - Merrell Dow Pharmaceuticals, Inc., Cincinnati, Ohio, Seldane Treatment of Rhinitis Symptoms Associated with the Common Cold -- Terfenadine Protocol 048-098, Department of Internal Medicine (D. L. McNeil), 1 March 1987 through 30 June 1987. (Project 765977 - New)

\$56,700.00 - Searle Research and Development, Skokie, Illinois, A Long-Term Double-Blind Safety Study of Milacemide in the Treatment of Complex Partial Seizures, Department of Neurology (M. E. Drake, Jr.), 1 December 1986 through 31 May 1988. (Project 765941 - New)

\$47,132.00 - Pfizer, Inc., Groton, Connecticut, A Multicenter Third Party Blinded Comparative Study of CP-62,993 and Erythromycin for the Assessment of Safety and Efficacy in the Treatment of Skin Structure Infections, Department of Internal Medicine (C. Camisa) and Department of Pharmacology (N. Gerber), 1 February 1987 through 30 June 1987. (Project 765955 - New)

\$40,000.00 - General Electric Company, Schenectady, New York, Ultrahigh Temperature Composite Materials and Process Screening, Department of Ceramic Engineering (E. R. Kreidler), 19 December 1986 through 31 December 1987. (Project 765952 - New)

\$29,766.00 - Fisons Corporation, Bedford, Massachusetts, A Phase III Study Comparing the Effects of Low and High Doses of Dopexamine Hydrochloride on Hemodynamic Parameters and Renal Hepatic and Limb Blood

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Industrial Research Contracts/Grants (contd)

Flow, Department of Internal Medicine (C. V. Leier), 1 March 1986 through 28 February 1987. (Project 765943 - New)

\$22,902.00 - Adria Laboratories, Columbus, Ohio, Evaluation of Mesna in the Prevention of Hemorrhagic Cystitis in Patients Conditioned for Bone Marrow Transplantation with a Cyclophosphamide Regimen, Department of Internal Medicine (P. J. Tutschka), 15 April 1986 through 11 April 1988. (Project 765942 - New)

\$13,292.00 - Polymer Technology Corporation, Wilmington, Massachusetts, Corneal Endothelial Cell Analysis for Persons Wearing Boston IV, Equalens, or #3 EXP-FSA Rigid Contact Lenses, College of Optometry (J. P. Schoessler), 1 April 1987 through 31 March 1988. (Project 765273 - Continuation)

\$10,500.00 - Sandoz, East Hanover, New Jersey, The Efficacy of a Potent Somatostatin Analog (SMS 201-995) in the Management of Type I (Insulin-Dependent) Diabetic Patients, Department of Internal Medicine (K. Osei), 1 June 1986 through 30 November 1987. (Project 765742 - New)

\$4,719.00 - SVO Enterprises, Columbus, Ohio, Study of Flavor and Heat Stabilities of High Oleic Acid Sunflower Oil, Department of Food Science and Nutrition - OARDC and Department of Food Science and Nutrition (D. B. Min), 1 March 1987 through 31 August 1987. (Project 765929 - New)

\$2,134.00 - The Procter & Gamble Company, Cincinnati, Ohio, Morphologic Investigation of Bismuth Neurotoxicity, Department of Neurology (J. P. Mendell and Z. Sahenk), 1 January 1984 through 30 June 1987. (Project 762821 - Continuation)

\$1,330.00 - Singer-Link, Inc., Binghamton, New York, Evaluation of the Esprit System Phase II, Department of Psychology (D. H. Owen), 1 March 1987 through 30 April 1987. (Project 765391 - Continuation)

Equipment - Eli Lilly and Company, Indianapolis, Indiana, Vital Signs Monitor Evaluation, Department of Physiology (G. E. Billman and J. P. Dujardin), 1 March 1987 through 29 February 1988. (Project 765928 - New) (Estimated Value - \$20,000)

TOTAL - INDUSTRIAL AWARD \$1,089,418.24

Other Non-Federal Research Contracts/Grants

\$389,414.00 - The Robert Wood Johnson Foundation, Princeton, New Jersey, A Randomized Trial of Catheter Versus Noncatheter Care in Institutionalized, Debilitated Elderly Women, Department of Internal Medicine (C. M. Kunin), 1 March 1987 through 29 February 1988. (Project 765961 - New)

\$204,570.00 - American Institute of Indian Studies, Minneapolis, Minnesota, Centre for Art and Archaeology of the American Institute of Indian Studies, Varanasi, Department of History of Art (S. L.

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Other Non-Federal Research Contracts/Grants (contd)

Huntington), 1 January 1986 through 31 December 1986. (Project 765913 - New)

\$103,143.00 - University of California, Lawrence Livermore National Laboratory, Livermore, California, Nuclear Spin Polarized Fuel for Laser Experiments, Department of Physics (J. R. Gaines), 1 December 1986 through 31 December 1988. (Project 764301 - Continuation)

\$96,944.00 - Smokeless Tobacco Research Council, Inc., New York, New York, Effect of Smokeless Tobacco on Periodontal Health, Oral Biology (K. Schroeder), 1 July 1987 through 30 June 1988. (Project 764728 - Continuation)

\$62,792.00 - The Pennsylvania State University, University Park, Pennsylvania, Measurement of Forest Condition and Response Along an Atmospheric Deposition Gradient, Laboratory for Environmental Science (J. R. McClenahan), 1 October 1986 through 30 September 1987. (Project 765953 - New)

\$60,000.00 - Fernbank, Inc., Atlanta, Georgia, Computer Graphics Design and Communications Services, Relative to the Proposed Fernbank Museum of Natural History, Atlanta, Department of Art Education (C. A. Csuri), 1 March 1987 through 28 February 1988. (Project 765922 - New)

\$58,500.00 - University Affiliated Cincinnati Center for Developmental Disorders, Cincinnati, Ohio, Prevention Continuing Education in Rural Areas, Nisonger Center (S. R. Schroeder), 1 January 1987 through 31 December 1987. (Project 764528 - Continuation)

\$57,594.00 - Indonesia Ministry of Education and Culture, Jakarta, Indonesia, Indonesian Visiting Scholar Program -- Task Order D, College of Education - Administration (J. J. Buffer), 20 March 1987 through 31 August 1987. (Project 765362 - Continuation)

\$40,000.00 - National Geographic Society, Washington, D.C., A Cooperative Paleoclimatic Study of the Dundee Ice Cap, China, Byrd Polar Research Center (L. G. Thompson), 1 June 1987 through 30 May 1988. (Project 765372 - Continuation)

\$35,000.00 - The Petroleum Research Fund, Washington, D.C., Kinetics and Spectroscopy of Simple Triplet Aryl Nitrenes, Department of Chemistry (M. S. Platz), 1 April 1987 through 31 August 1989. (Project 765923 - New)

\$28,343.00 - University of Wisconsin, Madison, Wisconsin, Midwest Universities Consortium for International Activities, Inc. -- Indonesia Program in Geodesy, Surveying, Photogrammetry and Cartography, Department of Geodetic Science and Surveying (I. I. Mueller), 1 June 1986 through 30 September 1987. (Project 765395 - Continuation)

\$21,128.00 - Columbus Technical Institute, Columbus, Ohio, Articulation Assistance for Columbus Technical Institute, The National Center for

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Other Non-Federal Research Contracts/Grants (contd)

Research in Vocational Education (R. D. Ryan, Jr.), 1 March 1987 through 30 June 1987. (Project 765341 - Continuation)

\$20,133.00 - Battelle Memorial Institute, Columbus, Ohio, Carbon Monoxide Electric Discharge Lasers and Isotope Separation, Department of Mechanical Engineering (J. W. Rich), 15 January 1987 through 27 July 1987. (Project 765908 - New)

\$19,274.00 - American Congress on Surveying and Mapping, Falls Church, Virginia, National Committee for Digital Cartographic Data Standards, Department of Geography (H. Moellering), 1 April 1987 through 30 June 1987. (Project 764886 - Continuation)

\$18,000.00 - The Petroleum Research Fund, Washington, D.C., An Investigation of Reverse Micelles in Supercritical Fluids, Department of Chemistry (S. V. Olesik and A. Wojcicki), 1 February 1987 through 31 August 1989. (Project 765935 - New)

\$15,000.00 - Tinker Foundation, New York, New York, Field Research Grants to Latin America and Iberia, University Center for International Studies (S. J. Summerhill) and Department of Agricultural Economics and Rural Sociology (D. H. Graham), 1 January 1987 through 31 December 1987. (Project 765189 - Continuation)

\$12,727.00 - California Institute of Technology, Pasadena, California, Application of Nonlinear Least Squares Methods to the Analysis of Laboratory Spectra and Solar Spectra, Department of Physics (J. H. Shaw), 1 January 1987 through 30 June 1987. (Project 764155 - Continuation)

\$9,155.90 - Guilford Technical Community College, Jamestown, North Carolina; Bessemer State Technical College, Bessemer, Alabama; Cuyahoga Community College District, Cleveland, Ohio; and Spartanburg Technical College, Spartanburg, South Carolina, National Postsecondary Alliance, The National Center for Research in Vocational Education (R. D. Ryan, Jr.), 1 July 1986 through 30 June 1987. (Project 765434 - Continuation)

\$8,610.00 - Cuyahoga Community College, Cleveland, Ohio, Technical Assistance for the Cleveland Public Schools/Cuyahoga Community College Articulation Efforts, The National Center for Research in Vocational Education (R. D. Ryan, Jr.), 1 March 1987 through 30 June 1987. (Project 765945 - New)

\$8,000.00 - Electric Power Research Institute, Palo Alto, California, Corrosion and Corrosion Cracking of Materials for Water Cooled Reactors, Department of Metallurgical Engineering (B. E. Wilde), 1 September 1985 through 1 May 1987. (Project 760982 - Continuation)

\$6,000.00 - F. J. Ingram State Technical College, Deatsville, Alabama; and State of Ohio, Department of Rehabilitation and Correction, Columbus, Ohio, National Corrections Education Consortium, The National Center for Research in Vocational Education (R. D. Ryan, Jr.), 1 January 1987 through 31 December 1987. (Project 765934 - Continuation)

May 7 and 8, 1987 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)

\$5,568.00 - University of Chicago, Chicago, Illinois, Functions and Statistics with Computers, Department of Mathematics (J. E. Schultz), 1 January 1987 through 31 March 1987. (Project 765579 - Continuation)

\$4,043.00 - Detroit Edison, Newport, Michigan, Consortium for the Development of Instructor Training Materials for the Electric Power Industry, The National Center for Research in Vocational Education (R. D. Ryan, Jr.), 1 November 1986 through 28 February 1987. (Project 765778 - Continuation)

\$4,000.00 - Connecticut Division of Vocational and Adult Education, Hartford, Connecticut; and Washington Vocational Education Administration, Olympia, Washington, National Entrepreneurship Education Consortium, The National Center for Research in Vocational Education (R. D. Ryan, Jr.), 1 July 1986 through 30 June 1987. (Project 765533 - Continuation)

\$3,500.00 - University of California, Livermore, California, Thermodynamic Modeling of Sensitization and SCC Performance of Candidate Materials for Containment of High Level Nuclear Waste, Department of Metallurgical Engineering (B. E. Wilde), 1 October 1986 through 15 June 1987. (Project 765209 - Continuation)

\$2,500.00 - Ohio Pork Producers Council, Westerville, Ohio, Use of Maternal Dietary Galactose to Increase Fetal Energy Storage for Improvement of Baby Pig Survival, Department of Animal Science - OARDC and Department of Animal Science (T. G. Ramsay), 1 January 1987 through 31 December 1987. (Project 765959 - New)

\$2,000.00 - Ohio Pork Producers Council, Westerville, Ohio, Efficiency of Weight Gain in Sows Postweaning, Department of Animal Science - OARDC and Department of Animal Science (G. A. Isler and G. C. Shurson), 1 January 1987 through 31 December 1987. (Project 765921 - New)

\$2,000.00 - University of Illinois, Urbana, Illinois, Cooperative Grain Flow Survey, Department of Agricultural Economics and Rural Sociology - OARDC and Department of Agricultural Economics and Rural Sociology (E. D. Baldwin), 1 January 1987 through 31 December 1987. (Project 765927 - New)

\$1,219.00 - Indiana Vocational Technical College - Northwest, Gary Indiana, Indiana Vocational Technical College -- Northwest Consulting Services, The National Center for Research in Vocational Education (R. D. Ryan, Jr.), 1 March 1987 through 31 March 1987. (Project 765946 - New)

TOTAL - OTHER NON-FEDERAL AWARDS \$1,299,157.90

ENGINEERING EXPERIMENT STATION

State Sponsored Research and Development

\$50,000.00 - Edison Partnership Program, Columbus, Ohio, and Scantech,

May 7 and 8, 1987 meeting, Board of Trustees

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

ENGINEERING EXPERIMENT STATION (contd)

State Sponsored Research and Development (contd)

Columbus, Ohio, "Research to Assess Application of the Scantech Digital X-Ray Inspection System to Nondestructive Evaluation of Welds," Departments of Nuclear Engineering and Welding Engineering, 1 February 1987 through 30 September 1987. (312407)

\$5,000.00 - Ohio Environmental Protection Agency, Columbus, Ohio, "Development of a Curriculum on Non-Point Water Pollution Problems," Department of City and Regional Planning, 1 March 1987 through 31 August 1987. (312405)

TOTAL - STATE SPONSORED RESEARCH \$ 55,000.00

Industrial and Other Sponsored Research and Development

\$49,960.00 - TRW, Inc., San Diego, California, "Pulse Modulator Development," Department of Electrical Engineering, 1 March 1987 through 31 July 1987. (312403)

\$25,882.00 - from 34 sponsors of 42 development projects under the direction of two engineering departments/research areas.

\$20,000.00 - Lockheed Missiles & Space Company, Inc., Sunnyvale, California, "Lockheed Scattering Development Studies," Department of Electrical Engineering, 23 February 1987 through 31 July 1987. (312404)

\$20,000.00 - Rosemount, Inc., Eden Prairie, Maine, "Compact Radar Cross Section Measurement Ranges Research and Development Consortium," Department of Electrical Engineering, 1 July 1986 through 30 June 1987. (312884 - Ext. 3)

\$19,300.00 - Harsco, Astro Division, Wooster, Ohio, "Development of Heat Transfer Correlation for the Astro AEX Compact Heat Exchanger," Department of Mechanical Engineering, 16 February 1987 through 15 August 1987. (312402)

\$5,000.00 - Edison Welding Institute, Columbus, Ohio, McDonnell Douglas, "Laser Enhanced Coaxial Weld Images for Douglas Aircraft," Department of Welding Engineering, 15 November 1986 through 15 March 1987. (312406)

TOTAL - INDUSTRIAL AND OTHER SPONSORED RESEARCH \$ 140,142.00

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND

Establishment of Named Funds

The Isadore and Ida Topper Professorship in Law

The Isadore and Ida Topper Professorship in Law was established May 8, 1987, by the Board of Trustees of The Ohio State University with gifts and a bequest to The Ohio State University Development Fund from Isadore Topper (J.D. '27), a most respected attorney in Columbus for over forty years and the first chairman of the National Council of the College of

May 7 and 8, 1987 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 Isadore and Ida Topper Professorship in Law (contd)

Law, and Ida Topper, his wife, who was a loyal benefactor of the College of Law, 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 shall be used to support and recognize the work of a distinguished scholar and teacher in the College of Law, with first preference being given to a member of the faculty who teaches in the area of administrative law and/or Constitutional law.

It is the desire of the donors that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in order to carry out the desire of the donors.

The Dunning, Higham, Mucil and Sprock Fund
in Industrial & Systems Engineering

The Dunning, Higham, Mucil and Sprock Fund in Industrial & Systems Engineering was established May 8, 1987, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from members of the Industrial Engineering Class of 1943.

All gifts are to be invested in the University's Permanent Endowment Fund, in common stock of leading corporations, 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 shall be used for those purposes other than student aid which will aid the research, teaching, service program/facilities and alumni functions, within the Department of Industrial & Systems Engineering in the College of Engineering. The Chairperson of the Department of Industrial & Systems Engineering will have sole authority to authorize the expenditures from the fund, as approved by the Dean of the College of Engineering.

It is the desire of the donors that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in order to carry out the desire of the donors.

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

Establishment of Named Funds (contd)

Dr. H. Wayne Ramsey Memorial Scholarship in Music Education

The Dr. H. Wayne Ramsey Memorial Scholarship in Music Education was established May 8, 1987, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from friends and family of H. Wayne Ramsey (M.A. '50, Ph.D. '57, Education), Professor Emeritus in the School of Music.

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 shall be used to provide scholarships to students majoring in Music Education with preference given, when possible, to those students majoring in general or choral music education. Recipients will be selected in accordance with procedures established in the School of Music, with final approval of the Director of the School of Music and the Dean of the College of The Arts, in cooperation with the University Committee on Student Financial Aid.

It is the desire of the donors that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in order to carry out the desire of the donors.

The Donald N. and Eleanor L. Friend Scholarship Fund

The Donald N. and Eleanor L. Friend Scholarship Fund was established May 8, 1987, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from Donald N. (B.S.Bus.Adm. '40), and Eleanor L. Friend (B.S.Ed. '43) of Harbor Springs, 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.

Ninety percent (90%) of the annual income shall be used to provide a scholarship(s) for an undergraduate student(s) in good standing. The recipient(s) must be a major in Finance with a concentration in banking studies. First preference should be given to a student(s) either attending the Lima Regional Campus of The Ohio State University, or one who has transferred to the Columbus Campus, College of Business, from the Lima Regional Campus. Scholarship recipients will be selected by the Dean of the Lima Campus and the Dean of the College of Business in consultation with the University Committee on Student Financial Aid. The remaining ten percent (10%) shall be allocated to the Beta Alpha Psi Fraternity in the College of Business at The Ohio State University.

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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 Donald N. and Eleanor L. Friend Scholarship Fund (contd)

It is the desire of the donors that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in order to carry out the desire of the donors.

The Helen C. Freyhof Athletic Scholarship Fund

The Helen C. Freyhof Athletic Scholarship Fund was established May 8, 1987, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from Helen C. Freyhof (B.S.Ed. '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 the right to invest and reinvest as occasion dictates.

The annual income shall be used to supplement the grant-in-aid (scholarship) fund for qualified student-athletes who are members of the women's basketball team at Ohio State.

It is the desire of the donor that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in order to carry out the desire of the donor.

The Walter Rudin Pace Setter Junior Scholarship

The Walter Rudin Pace Setter Junior Scholarship was established May 8, 1987, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from Mr. Walter Rudin (B.S.Bus.Adm. '35) of Mt. Vernon, 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 shall be used to provide the Pace Setter Junior Scholarship and assist with the presentation of other scholarship awards presented at the annual Pace Setter Banquet. The selection of the recipient(s) will be made upon the recommendation of The Pace Setter Selection Committee with final approval by the Dean of the College of Business, in consultation with the University Committee on Student Financial Aid.

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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 Walter Rudin Pace Setter Junior Scholarship (contd)

It is the desire of the donor that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in order to carry out the desire of the donor.

The Maude Taylor Stout Instrumental Music Scholarship Fund

The Maude Taylor Stout Instrumental Music Scholarship Fund was established May 8, 1987, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from Dr. Whitney B. Stout (Ph.D., Agricultural Economics '30) and Mrs. Maude Taylor Stout (B.S.Soc.Adm. '23) 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.

Eighty percent (80%) of the annual income is to be used to provide one or more scholarships for academically superior students who are pursuing music degree study in Instrumental Music and/or who may have a need for financial assistance. Recipients will be selected in accordance with procedures established in the School of Music, with final approval of the Director of the School of Music and the Dean of the College of The Arts, in cooperation with the University Committee on Student Financial Aid. The remaining twenty percent (20%) of the annual income is to be added to the principal of the scholarship fund.

It is the desire of the donors that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in order to carry out the desire of the donors.

The Thomas E. Leontis Lecture in Modern Greek Studies

The Thomas E. Leontis Lecture in Modern Greek Studies was established May 8, 1987, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from Thomas E. Leontis 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.

May 7 and 8, 1987 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 Thomas E. Leontis Lecture in Modern Greek Studies (contd)

The annual income shall be used to support a lectureship in Modern Greek Studies. The purpose of the lecture fund is two-fold: first, it is to serve as a catalyst in the Modern Greek Studies Program at the University in generating a keener awareness of the importance of Greek history and culture, especially since 1204, and their contribution to solidifying the bonds between Greece and the United States; and secondly, the lecture fund will bring annually to the Ohio State campus a distinguished speaker of national and/or international reputation who will contribute to the cultural growth of the University and community bodies, by offering new ideas and historical and cultural interpretations of important past and current situations. The selection of the lecturer will be made by a committee chaired by the senior staff member of The Ohio State University Modern Greek Studies Program and including (a) the second staff member of the Program, and (b) an individual selected by the committee Chair either from the University faculty involved with the Program or from the Greek Orthodox Community.

It is the desire of the donor that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in order to carry out the desire of the donor.

Change in Description 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 description was changed May 8, 1987.

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 to a physically handicapped student enrolled at The Ohio State University and residing at Creative Living, Columbus, Ohio. Recipients will be determined by the University Committee for Student Financial Aid 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 the Creative Living housing facility should cease to exist, the income may be awarded to any physically handicapped student enrolled 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

May 7 and 8, 1987 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

Change in Description of Named Funds (contd)

The William M. and Frances Smith Junk Endowed Fund (contd)

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 Student Financial Aid and the Office for Disability Services.

Change of Name and Description of Named Fund

The Frank E. and Harriet E. Hedrick Aviation Student Award 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 from Frank E. and Harriet E. Hedrick. By mutual agreement between the Frank E. and Harriet E. Hedrick Foundation and the University's Department of Aviation, the purpose of this fund was changed May 8, 1987, to a student award in Aviation, and the title was revised accordingly.

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 awards to students enrolled in the Department of Aviation with proven academic ability and good moral character. In keeping with Frank E. and Harriet E. Hedrick's long interest in involving young persons in flight careers, preference will be given to students beginning an aviation career involving flight. Selection will be made by the Dean of the College of Engineering in cooperation with the Chairperson of the Department of Aviation.

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 aviation education.

THE OHIO STATE UNIVERSITY FOUNDATION

Approval of Descriptions and Establishment of Funds

The Bank One Chair for Excellence Fund

The Bank One Chair for Excellence Fund was established May 8, 1987, by the Board of Trustees of The Ohio State University through funds received by the University from The Ohio State University Foundation, which has established an endowed fund with gifts from Bank One.

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

THE OHIO STATE UNIVERSITY FOUNDATION (contd)

Approval of Descriptions and Establishment of Funds (contd)

The Bank One Chair for Excellence Fund (contd)

Income will be added to the principal until such time as Bank One recommends how the initial distribution of funds is to be made to The Ohio State University, at which time the chair shall be established. Bank One may recommend that income be distributed to the University rather than reinvested before completion of its pledge commitment. However, the principal may not be invaded.

When determining its recommendation for the initial distribution of income to The Ohio State University (e.g., the first recipient of the Bank One Chair for Excellence), Bank One officials will consult with representatives of the University administration (including, but not limited to, the President and the Vice President for Academic Affairs and Provost) and the Board of Directors of The Ohio State University Foundation. Bank One's recommendation will be based on its assessment of a critical need that exists at the University to attract a renowned individual to the faculty, or to encourage a distinguished member of the current faculty to remain at Ohio State. The most important qualification for the person who will hold the chair will be his or her ability to enhance the excellence of The Ohio State University. The final recommendation will be made to the Vice President for Academic Affairs and Provost, and approved by The Ohio State University Board of Trustees.

The occupant of the chair shall be known as "The Bank One Professor of Excellence." The individual named by the University as the initial holder of the Bank One Chair for Excellence will retain the chair until he or she leaves the faculty. Subsequent holders of the chair will be recommended by the Vice President for Academic Affairs and Provost, in consultation with officials of Bank One.

The William H. Davis Medical Research Center Fund

The William H. Davis Medical Research Center Fund was established May 8, 1987, by the Board of Trustees of The Ohio State University through funds received by the University from The Ohio State University Foundation, which has established an endowed fund with gifts from Dorothy M. Davis, in memory of her husband, William H. Davis, B.S.Bus.Adm. '26.

Income provided by the Foundation shall be used to support the basic and applied clinical research activities, to be undertaken in The William H. Davis Medical Research Center, into the cause, cure and prevention of human illnesses and disorders common during normal aging, such as arteriosclerosis, rheumatoid arthritis, and chronic liver disease. All expenditures of such funds shall have the approval of both the Director of the Division of Immunology and the Dean of the College of Medicine.

The College of Medicine will also be responsible for providing an annual report to Dorothy M. Davis and William C. Davis, during their lifetimes, with regard to all research activity.

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

THE OHIO STATE UNIVERSITY FOUNDATION (contd)

Approval of Descriptions and Establishment of Funds (contd)

The Dorothy M. Davis Chair in Cancer Research Fund

The Dorothy M. Davis Chair in Cancer Research Fund was established May 8, 1987, by the Board of Trustees of The Ohio State University through funds received by the University from The Ohio State University Foundation, which has established an endowed fund with gifts from Dorothy M. Davis.

Income provided by the Foundation shall be used to support The Dorothy M. Davis Chair in Cancer Research Fund. This chair shall be established by The Ohio State University to advance cancer research.

The individual appointed to this chair should have a record of significant achievements in the field of cancer research. Appointment to the Davis Chair in Cancer Research will be recommended by the Dean of the College of Medicine to the Provost and approved by The Ohio State University Board of Trustees.

The College of Medicine will also be responsible for providing an annual report to Dorothy M. Davis and William C. Davis, during their lifetimes, with regard to all research activity.

The John G. and Jeanne B. McCoy Fund

The John G. and Jeanne B. McCoy Fund was established May 8, 1987, by the Board of Trustees of The Ohio State University through funds received by the University from The Ohio State University Foundation, which has established an endowed fund with gifts from John G. and Jeanne B. McCoy.

Income provided by the Foundation shall be divided equally between the President of The Ohio State University and the Dean of The Ohio State University College of Medicine. The use of the funds thus made available to the President and the Dean shall be expended by them without restriction.

Change in Description of Named Chair

The John Deaver Drinko - Baker & Hostetler
Chair in Law

The John Deaver Drinko - Baker & Hostetler Chair in Law was established March 7, 1986, by the Board of Trustees of The Ohio State University through funds received by the University from The Ohio State University Foundation from John D. Drinko (J.D. '44) and Elizabeth Gibson Drinko of Cleveland, Ohio, the law firm of Baker & Hostetler, Noel F. George (J.D. '32) of Columbus, Ohio, and other partners and associates of Baker & Hostetler. The description was changed May 8, 1987.

Income provided by the Foundation shall be used on a current basis to provide salary and program support for the work of a distinguished teacher and scholar in the College of Law. Appointment to the Drinko -

May 7 and 8, 1987 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY FOUNDATION (contd)

Change in Description of Named Chair (contd)

**The John Deaver Drinko - Baker & Hostetler
Chair in Law (contd)**

Baker & Hostetler Chair will be recommended by the Dean of the College of Law to the Provost and approved by The Ohio State University Board of Trustees.

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**REPORT OF AWARD OF CONTRACTS AND
ESTABLISHMENT OF CONTINGENCY FUNDS**

Resolution No. 87-125

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, 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:

JOURNALISM BUILDING RENOVATION

Description: This project involves the renovation of the third floor area into a lecture hall, two general purpose classrooms for the University Classroom Pool, and a television studio for the School of Journalism. Construction is scheduled to begin June 1987 and be completed December 1987.

General Contract

Date Received:	January 13, 1987
No. of Bids:	5
Low Bid:	\$271,028.00*
High Bid:	\$308,635.77*
Estimate of Cost:	\$272,670.00*
Awarded to:	Concept Construction, Columbus, OH

*Recommended alternates reflected in these figures.

May 7 and 8, 1987 meeting, Board of Trustees

REPORT OF AWARD OF CONTRACTS AND
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)

JOURNALISM BUILDING RENOVATION (contd)

HVAC Contract

Date Received: January 13, 1987
No. of Bids: 7
Low Bid: \$ 77,600.00*
High Bid: \$ 89,810.00*
Estimate of Cost: \$ 80,269.00*
Awarded to: J. A. Guy, Inc., Dublin, OH

Electric Contract

Date Received: March 17, 1987
No. of Bids: 3
Low Bid: \$104,768.00*
High Bid: \$121,379.00*
Estimate of Cost: \$166,986.00*
Awarded to: States Electric Co., Columbus, OH

Total All Contracts: \$453,396.00*

Total Contingency Allowance: \$ 30,241.79 (which is 7 percent of construction costs)

Total Project Cost: \$550,000.00*

Funding: HB 798, SB 348, HB 870, and University Funds

*Recommended alternates reflected in these figures.

MACQUIGG LABORATORY - CLASSROOM CONSTRUCTION

Description: This project provides for the repair of the slab and the promenade deck at MacQuigg Laboratory and the enclosure of this space for classroom use. Construction is scheduled to begin June 1987 and be completed September 1987.

General Contract

Date Received: March 3, 1987
No. of Bids: 8

May 7 and 8, 1987 meeting, Board of Trustees

REPORT OF AWARD OF CONTRACTS AND
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)

MACQUIGG LABORATORY - CLASSROOM CONSTRUCTION (contd)

General Contract (contd)

Low Bid:	\$182,313.00*
High Bid:	\$288,150.00*
Estimate of Cost:	\$225,310.00*
Awarded to:	B S Contractors, Inc., Columbus, OH

HVAC Contract

Date Received:	March 3, 1987
No. of Bids:	3
Low Bid:	\$ 31,992.00
High Bid:	\$ 49,690.00
Estimate of Cost:	\$ 35,000.00
Awarded to:	F. J. Hoff Mechanical, Columbus, OH

Electric Contract

Date Received:	March 3, 1987
No. of Bids:	6
Low Bid:	\$ 25,100.00*
High Bid:	\$ 35,730.00*
Estimate of Cost:	\$ 30,250.00*
Awarded to:	Claypool Electric, Inc., Lancaster, OH

Total All Contracts:	\$239,405.00*
Total Contingency Allowance:	\$ 18,769.94 (which is 8 percent of construction costs)
Total Project Cost:	\$296,000.00*
Funding:	SB 348 and HB 870

*Recommended alternates reflected in these figures.

May 7 and 8, 1987 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)**

CLASSROOM IMPROVEMENTS - PHASE IV

Description: This project is a continuation of improving the quality of classrooms and lecture halls assigned to the University's Classroom Pool. This project will improve appearance, acoustics, audio/visual systems, chalkboards, lighting and seating in Smith Laboratory, Evans Laboratory, and Ramseyer Hall. Construction is scheduled to begin June 15, 1987, and be completed in September 1987.

General Contract

Date Received:	March 19, 1987
No. of Bids:	8
Low Bid:	\$113,902.00
High Bid:	\$139,436.00
Estimate of Cost:	\$155,300.00
Awarded to:	B S Contractors, Inc., Columbus, OH

HVAC and Plumbing Contract

Date Received:	March 19, 1987
No. of Bids:	3
Low Bid:	\$ 23,540.00
High Bid:	\$ 23,800.00
Estimate of Cost:	\$ 24,545.00
Awarded to:	Holdridge Mechanical, Inc., New Albany, OH

Electric Contract

Date Received:	March 19, 1987
No. of Bids:	9
Low Bid:	\$ 90,400.00
High Bid:	\$120,800.00
Estimate of Cost:	\$109,225.00
Awarded to:	Electric Power Equipment Corp., Columbus, OH

Total All Contracts: \$227,842.00

Total Contingency Allowance: \$ 15,348.36 (which is 6.7 percent of construction costs)

May 7 and 8, 1987 meeting, Board of Trustees

REPORT OF AWARD OF CONTRACTS AND
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)

CLASSROOM IMPROVEMENTS - PHASE IV (contd)

Total Project Cost: \$315,250.00
Funding: SB 348 and HB 798

ROOF REPLACEMENT - BEEF CENTER AND WILLIAMS HALL
MASONRY REPAIR - WILLIAMS HALL
OHIO AGRICULTURAL RESEARCH AND DEVELOPMENT CENTER

Description: This project involves the replacement of deteriorated roofs with complete, watertight systems at the Beef Center and Williams Hall and masonry repair, brick work, and parapet repair at Williams Hall. Construction is scheduled to begin June 1987 and be completed October 1987.

General Contract

Date Received: March 26, 1987
No. of Bids: 7
Low Bid: \$195,737.00
High Bid: \$237,900.00
Estimate of Cost: \$230,796.00
Awarded to: Simon Roof and Sheet Metal, Youngstown, OH
Total All Contracts: \$195,737.00
Total Contingency Allowance: \$ 15,598.26 (which is 8 percent of construction costs)
Total Project Cost: \$217,750.00
Funding: SB 348

ELECTRICAL DISTRIBUTION IMPROVEMENTS - PHASE I
LORD HALL AND STILLMAN HALL

Description: This phase of the project involves the conversion of the 4,160 volt system to a 13,200 volt system to reduce risk of a major power failure. Construction is scheduled to begin June 1987 and be completed December 1987.

Electric Contract

Date Received: April 2, 1987
No. of Bids: 3

May 7 and 8, 1987 meeting, Board of Trustees

REPORT OF AWARD OF CONTRACTS AND
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)

ELECTRICAL DISTRIBUTION IMPROVEMENTS - PHASE I
LORD HALL AND STILLMAN HALL (contd)

Electric Contract (contd)

Low Bid:	\$134,000.00
High Bid:	\$231,800.00
Estimate of Cost:	\$201,000.00
Awarded to:	Buckeye Electric Co., Dayton, OH
Total Electric Contract:	\$134,000.00
Total All Contracts:	\$134,000.00
Total Contingency Allowance:	\$ 10,717.45 (which is 8 percent of construction costs)
Total Project Cost:	\$149,150.00
Funding:	HB 870 U & R

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. Barone, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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EASEMENT
CITY OF COLUMBUS

Resolution No. 87-126

Synopsis: Authorization to grant an easement to the City of Columbus for installation and improvement of a storm sewer is requested.

WHEREAS the City of Columbus has requested a 15-year easement consisting of a strip of land approximately 4,710 feet in length to install a detention basin 120 feet in width and 1,665 feet in length, a permanent storm sewer 20 feet in width and 2,000 feet in length, and a drainage ditch 80 feet in width and 1,045 feet in length at Don Scott Field; and

WHEREAS Pizzuti Development, Inc., made the necessary improvement and installation for the storm sewer and paid the cost of \$350,000; and

WHEREAS the storm sewer will serve University property and private properties; and

May 7 and 8, 1987 meeting, Board of Trustees

**EASEMENT
CITY OF COLUMBUS (contd)**

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 Administration, on behalf of the Board of Trustees, be authorized to develop and execute the necessary legal documents to provide for this easement.

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

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NON-SMOKING POLICY

Resolution No. 87-127

Synopsis: A change in the University's non-smoking policy is proposed.

WHEREAS the University's interest in promoting the general health and well-being of its faculty, staff, and students has been well documented and over time has been demonstrated through a multiplicity of health promotion programs; and

WHEREAS in furtherance of this commitment, the University recognizes the need to modify its present smoking policy as set forth in Faculty Rule 3335-13-02 and Trustee Bylaw 3335-1-08(F) in an effort to reduce the level of environmental contaminants produced by smoking; and

WHEREAS in addressing this question the University should seek to accommodate the needs of smokers and non-smokers through the adoption of a comprehensive policy statement; and

WHEREAS the University has received a report from a Committee established to review the University Non-Smoking Policy which solicited opinion and other information from the University community and other comparable institutions on the issue of smoking, which study has been reviewed by University administrative personnel who have made their own independent assessment:

NOW THEREFORE

BE IT RESOLVED, That 3335-1-08(F) of the Bylaws of the Board of Trustees is hereby rescinded and that the non-smoking policy in the form as attached hereto as Appendix A, be adopted effective July 1, 1987 and the policy shall be published in the appropriate section of the Operating Manual; and

BE IT FURTHER RESOLVED, That as a part of the general health promotion programs of the University, a voluntary smoking cessation program for faculty, staff, and students who smoke should be made available.

May 7 and 8, 1987 meeting, Board of Trustees

NON-SMOKING POLICY (contd)

Upon motion of Mr. Teaford, seconded by Ms. Casto, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

APPENDIX A

THE OHIO STATE UNIVERSITY

SUBJECT: NON-SMOKING POLICY

APPLIES TO: UNIVERSITY FACULTY, STAFF, AND STUDENTS

POLICY

The University recognizes the need to create and maintain an environmental quality which sustains and enhances the general health and well-being of its faculty, staff, students, and visitors. As part of a continuing effort to meet its commitment in this area, the Board of Trustees at its May 8, 1987, meeting adopted a policy which establishes new University standards for the creation of a smoke-free environment. Consistent with the spirit and intent of this policy, should irreconcilable conflicts arise between individuals who choose to smoke and those who do not, the rights of non-smokers will prevail.

POLICY GUIDELINES

- A. Smoking will not be permitted in any of the following interior areas and such areas will be designated as "No Smoking" areas:
1. Classrooms
 2. Auditoriums/conference rooms
 3. Laboratories
 4. Elevators
 5. Theaters
 6. Word processing/computer areas
 7. Copier rooms
 8. Mailrooms
 9. Reception areas
 10. Open office areas
 11. Libraries
 12. University Hospitals
 13. Areas in which fire and safety hazards exist

May 7 and 8, 1987 meeting, Board of Trustees

APPENDIX A (contd)

14. Any area not specifically designated "Smoking Permitted"

15. Other areas from time-to-time as may be designated

B. Areas which are designated as smoking areas will be clearly marked with "Smoking Permitted" signs. Smoking is also permitted in:

1. Individual offices which are enclosed by floor-to-ceiling walls and doors may be designated as smoking or non-smoking at the request of the individual assigned to the office. When requested by the occupant, the appropriate administrator may designate an individual office as a smoking area provided that there is no conflict with the interior non-smoking areas identified in Policy Guidelines A1 through A15.

2. Dining Halls may be designated smoking or non-smoking in whole or in part as determined by appropriate administrative officials. As a general principle, residence halls and University apartments are considered private living spaces where smoking decisions are made by the occupants.

C. Coordinative Responsibility

1. Vice presidents, deans, chairpersons, administrative officials and supervisors are generally responsible for the implementation and enforcement of the smoking policy. It is hoped, in light of the health issues involved, that most people will comply with this policy out of self-interest and concern for others. However, complaints or concerns regarding this policy or disputes regarding its implementation should be referred to the immediate administrator/supervisor for resolution.

2. College/department administrative officials should make every effort to assure that this policy is communicated to everyone within their jurisdiction and to all new members of the University community.

3. College/department administrative officials should also assure that appropriate signs are posted.

4. Requests for exception to this policy and/or complaints which cannot be resolved at the unit/department or college level should be referred to the Office of Personnel Services.

D. Sale of Cigarettes in University Buildings

The sale of cigarettes or other tobacco products in campus buildings/facilities shall be prohibited after three years from the date of adoption of this policy.

E. Smoking Cessation Program

The University will offer a smoking-cessation program for faculty and staff as well as students. A nominal charge will be assessed participants to help defray the cost of materials used. The University Faculty and Staff Assistance Program will serve as a

May 7 and 8, 1987 meeting, Board of Trustees

APPENDIX A (contd)

resource for inquiries and provide information relative to smoking cessation programs.

F. Policy Review

It is recommended that this policy be reviewed carefully by University administration for several years to determine its effectiveness.

This policy relies on thoughtfulness, consideration and cooperation of smokers and non-smokers for its success. It is the responsibility of all members of the University community to observe this policy and these policy guidelines and to direct those who choose to smoke to designated "Smoking Permitted" areas.

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President Jennings made the following statement:

Mr. Chairman, in keeping with the normal budget cycle for the University, it is my responsibility to report to you our budget plans for next year at this meeting, so that a resolution on budget guidelines can be brought before this Board in June for the fiscal year beginning July 1, 1987. Because the General Assembly is still deliberating on the state budget for higher education, the institutional budget and tuition guidelines I am outlining here today must be considered tentative.

One thing of which we are certain, however, is that the budget actions to date regarding state support for higher education are less than adequate. The proposals we have seen thus far from the state will not allow us to continue to enhance excellence in the context of the important land-grant principle of accessibility.

Let me briefly place the current budget proposals in historical perspective. With the bi-partisan support of the Governor and the General Assembly, higher education has made substantial strides in the previous and the current biennia.

In particular, major progress has been made in reducing the average share of a student's educational costs paid for through tuition, from a high of 47 percent in 1982 to 36 percent today. There was, indeed, a consensus in state government that every effort should be made to achieve a student share at the national average of 33 percent in the future. Although we had not yet reached this goal, our progress has made quality higher education more affordable for Ohioans.

Now, unfortunately, the progress that we have made in recent years is being threatened by inadequate budgetary recommendations for higher education for the next biennium. The Executive Budget would increase the share of the cost of education paid by tuition from 36 percent to 42 percent, and would require average tuition increases of 31 percent for the next academic year.

May 7 and 8, 1987 meeting, Board of Trustees

President Jennings: (contd)

Such an increase would place a heavy burden on students and their families. But just as importantly, it would begin to move public higher education away from the land-grant principle of accessibility. Broad access is critical to our mission at Ohio State. And it is a shared responsibility of this University and of all the citizens of Ohio.

Let me outline the problem in other terms. Under the Executive Budget, Ohio State was presented with a budget deficit -- which we are expected to make up through a 31 percent tuition increase -- of \$61 million. I would point out that that \$61 million is an extremely large shortfall. It is enormously difficult to recoup dollars on that scale internally without reductions in quality.

This University has continually recognized its obligations to reduce costs and accept fiscal responsibility for efficient and effective operations. This has been re-emphasized in our new institutional efforts on cost containment tied to the bonus program. With this activity, we had hoped to generate several million dollars in new internal funds to further enhance academic and support service programs at Ohio State. But now it appears that, in order to keep tuition as low as possible, the cost containment dollars must be used to make up shortages in the state budget.

I do want to note that the Ohio House of Representatives improved upon the Executive Budget recommendations for the instructional subsidy. We appreciate this effort in the House. The action enables us to further reduce our tuition increase.

With the \$24 million we will generate internally through cost containment, and the \$7.7 million enhancement to the instructional subsidy by the House, we are able to reduce Ohio State's tuition increase to less than half of the 31 percent assumed in the Executive Budget. If no further changes are made to the higher education budget by the Senate and the Conference Committee, I expect to reluctantly recommend tuition increases, effective Autumn Quarter for the 1987-88 academic year, that will average 14 percent.

This is, of course, still far too high an increase for a land-grant University committed to the principle of broad accessibility. The state budget currently is before the Ohio Senate, and I am very pleased to report that the Senate leadership has stated publicly that higher education will be its top priority in the next biennium -- just as it was in the current biennium. We are now looking to the Senate for further improvements in the higher education budget.

As we await their forthcoming recommendations, I want to reiterate the fundamental importance of the principle of accessibility at Ohio State. Therefore, I am today committing Ohio State to reduce our proposed tuition increase of 14 percent in proportion to the General Assembly's further additions to the instructional subsidy. Our target is to reduce the necessary

May 7 and 8, 1987 meeting, Board of Trustees

President Jennings: (contd)

tuition increases to no more than inflationary levels, some five percent per year. This could be achieved with an additional state appropriation of \$143 million for higher education as a whole.

In line with our policy of considering all costs for students, it is my further intention that the increases in all other charges of the institution will average five percent next year. This includes residence and dining halls, parking, special event tickets, bookstore rates, Hospitals rates and all other fees assessed by the University.

In allocating funds within the institution, our first priority will be providing sufficient funding for student financial aid to ensure that we maintain the purchasing power of our grants to students with demonstrated need. We also will provide funds so that students newly eligible for aid due to the increase in tuition will receive the assistance they need.

In addition, I expect to recommend salary increases for all faculty and staff members -- except those covered under collective bargaining agreements -- of two percent across-the-board, with three percent provided to fund merit increases.

These salary recommendations, however, are less than is necessary to maintain our competitive position among other major research universities. As we continue to pursue the best available faculty and staff from around the nation and to maintain our leadership in higher education, I additionally will recommend a centrally available salary pool of \$3 million to fund necessary equity and excellence adjustments where appropriate throughout the institution.

Within the colleges and administrative units, I anticipate recommending increases of three percent per year in equipment and supplies budgets.

There is one additional issue that needs to be addressed in the context of this University's budget expectations from the State of Ohio. We all recognize that the state faces a tight budget situation for the coming biennium. But I believe it is inappropriate to put such an enormous share of the burden of the state's revenue shortfall on our students and all of Ohio's institutions of higher education.

We have done more than our share in earlier times during true economic stringency, and we have had to cut our costs year after year at Ohio State. Our operating costs already are well below the average for universities across the nation. This has been achieved even as our quality continues to grow. But without a continued commitment from the state to our excellence, the prospects for maintaining our enviable record grow dimmer.

My role in the State of Ohio budget process is to articulate the needs of The Ohio State University, as part of the Ohio higher

May 7 and 8, 1987 meeting, Board of Trustees

President Jennings: (contd)

education community. When I express those needs -- such as the \$143 million figure that I have mentioned today -- I also am often asked, and reasonably so, just where this additional funding from higher education might be found.

Clearly, the choices facing our elected state officials are not easy, as they seek ways to meet all of the State of Ohio's budgetary needs. But to maintain the progress on economic redevelopment that we have made in recent years, and to guarantee the citizens of Ohio excellence and accessibility in higher education, some difficult choices must be made.

It is indeed troubling that, in times of relative economic prosperity, Ohio is faced with serious revenue shortfalls. When we consider what a dwindling resource base could mean in even a minor recession in future years, the implications are clearly ominous. Yet the state is currently implementing further reductions in its resource base under the return of the federal tax reform "windfall."

If we are to maintain fiscal stability and renew the state's potential to generate economic growth over the long-term, and at the same time retain the current income tax rates -- which, I should point-out, are lower today than they were in 1982 -- this windfall return is clearly less than wise and, indeed, is simply not affordable for Ohio at the present time.

It is my hope that the Governor and the General Assembly will take the strong bi-partisan leadership position that the state needs to make provisions for Ohio's long-term needs. A fair share of an adequate state budget needs to be committed to excellence and accessibility in higher education -- the fundamental resource for Ohio's future prosperity.

Thank you, Mr. Chairman, that completes my agenda.

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EXPRESSION OF APPRECIATION TO BRIAN K. HICKS

Resolution No. 87-128

WHEREAS Brian K. Hicks has served as President of the Undergraduate Student Government during the past year; and

WHEREAS he has carried out his assignment in a truly outstanding and exemplary manner; and

WHEREAS his leadership in representing the interest of students has been positive in nature as has been his communication with both the Board of Trustees and the Administration; and

WHEREAS his public statements, including his remarks on behalf of students, at Woody Hayes' memorial service have consistently been well thoughtout, concise, and fitting for the occasions; and

May 7 and 8, 1987 meeting, Board of Trustees

EXPRESSION OF APPRECIATION TO BRIAN K. HICKS (contd)

WHEREAS Brian's resolve, dedication, and support of this University has been evidenced in innumerable ways over the past year:

NOW THEREFORE

BE IT RESOLVED, That this Board expresses to Brian K. Hicks its sincere appreciation and gratitude for a job well done and conveys to him and his lovely wife, Kathlene, its best wishes for their happiness, good health, and success in the future.

Upon motion of Mr. Teaford, seconded by Ms. Casto, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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REPORT - UNIVERSITY'S INVESTMENT PORTFOLIO

Resolution No. 87-129

RESOLVED, That the report on the University's Investment Portfolio, dated April 17, 1987, 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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**THIRD QUARTER REPORT -
1986-87 CURRENT FUNDS BUDGET**

Resolution No. 87-130

RESOLVED, That the third quarter report on the 1986-87 Current Funds Budget, dated May 8, 1987, 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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Mr. Galbreath made the following statement:

I want to say, I appreciate the support that you have all given me and particularly our whole Board this year. It has been a lot of fun and a great privilege. I wish you the very best as you continue your deliberations with this great University that we have. Board adjourned.

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Thereupon the Board adjourned to meet Thursday, June 4, 1987, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, at 6:30 p.m.

Attest:

Madison H. Scott
Secretary

Daniel M. Galbreath
Chairman

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APPENDIX IV
Degrees Conferred at
THE OHIO STATE UNIVERSITY
COMMENCEMENT CONVOCATION
June 12, 1987

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Commencement Speaker

Robert L. Clodius

Robert L. Clodius has been president of the National Association of State Universities and Land-Grant Colleges since November 1978. The association represents 145 of the nation's major, comprehensive public universities that enroll approximately 30 percent of all college students in the nation and graduate almost two-thirds of all Ph.D. recipients.

Dr. Clodius served 28 years as a faculty member and administrator at the University of Wisconsin-Madison, where he was an associate dean of the graduate school, chairperson of the agricultural economics department, acting provost, academic vice president, executive vice president, and acting president. After his distinguished administrative service, the Regents created a special chair, Professor of the University, to which Clodius was named.

Born in Walla Walla, Washington, Dr. Clodius attended Whitman College, graduated from the University of California at Berkeley in 1942, and was elected to Phi Beta Kappa. During World War II, Dr. Clodius served in the United States Navy. After the war, he returned to the University of California, receiving his Ph.D. degree in agricultural economics in 1950. Whitman College honored him with an honorary Doctor of Laws degree in 1970.

Having traveled extensively in East and West Africa, South America, and Southeast Asia, Dr. Clodius had consulted with governments and agencies here and overseas, including the U.S. Department of State and Department of Agriculture, the Ford Foundation, the Rockefeller Foundation, the University of East Africa, and the Government of Sierra Leone. He has served on many boards in higher education and currently is an advisory commissioner to the Education Commission of the States and chairperson of the advisory committee for the National Center on Agricultural Policy at Resources for the Future.

As author and former editor of the *Journal of Farm Economics*, Dr. Clodius is widely recognized for his work in agricultural policy and economics and in higher education administration. We are delighted to welcome this distinguished member of the higher education community to our campus today to speak at the 300th Commencement of The Ohio State University.

Recipients of Honors

Pavle Ivić

Doctor of Humane Letters

Academician Pavle Ivić, Professor Emeritus from the University of Belgrade, is the most distinguished Yugoslav linguist and the world's foremost scholar in the study of Serbo-Croatian dialects. He is recognized as one of the world's leading authorities in Slavic linguistics and has been instrumental in the development of South Slavic studies in the United States.

A member of the Serbian Academy of Sciences and Arts, Professor Ivić was born in Belgrade, Yugoslavia, graduated from the University of Belgrade in 1949, and received his Ph.D. there in 1954. He has served as a visiting professor at a number of American universities, including Columbia University, the University of Michigan, and The Ohio State University. Ivić has lectured at over forty institutes, universities, and academies around the world.

President of the Linguistic Society of Europe, Professor Ivić also is a member of the American Academy of Arts and Sciences, the royal Norwegian Academy, the Permanent International Congress of Linguists, and an honorary member of the Linguistic Society of America.

As a renowned teacher, he is revered by his colleagues and students for his generosity and his intellectual honesty. Professor Ivić has played a significant role in training a whole generation of Yugoslav linguists not only through his teaching, but through the numerous articles and books he has written.

The Ohio State University is proud to recognize this distinguished scholar and teacher for his outstanding contributions to the study of Serbo-Croatian linguistics by conferring upon him the honorary degree, Doctor of Humane Letters.

Recipients of Honors

President's 300th Commencement Award Recipients

Dean T. Allemang, of Columbus, was Ohio State's first Marshall Scholar and is currently working toward a doctorate in computer science as a National Science Foundation Fellow. He received his B.S. degree in mathematics in 1982, and his M.S. degree in computer and information science in 1985.

Donna M. Alvarado is the director of ACTION, a federal anti-poverty volunteer agency in Washington, D.C. She received her B.A. degree in Spanish in 1969, and an M.A. degree in Romance Languages and Literatures in 1970.

Susan E. Alvarado is vice president of E. Bruce Harrison Corporation in Washington, D.C. and is a former congressional liaison for Vice President George Bush. She received her B.A. degree in political science in 1975.

Clotilde Dent Bowen is a U.S. Army Colonel and Chief of the Department of Primary Care and Community Medicine at Fitzsimmons Army Medical Center in Colorado Springs. She received her B.A. degree in biological sciences in 1943, and her M.D. in 1947.

Lloyd Odom Brown has held several public offices, including Associate Justice of the Ohio Supreme Court. Currently he is an attorney practicing in Cleveland and a member of the Ohio Board of Regents. He received his B.A. degree in political science in 1955, and his J.D. in 1955.

Paulo Fernando Cidade de Araujo is chairperson of the Department of Agricultural Economics at the University of Sao Paulo, whose graduate program is one of the oldest in Brazil. He received his M.S. degree in agricultural economics in 1967.

Peter A. Cohen is chairman and chief executive officer of Shearson/Lehman Bros. Inc. in New York City. He was the youngest CEO of any major securities house at the time of his appointment. He received his B.S. degree in accounting in 1968.

Robert L. Dilenschneider is president and chief executive officer of Hill and Knowlton, Inc., located in New York City, the world's largest public relations firm. He received his M.A. degree in journalism in 1967.

Leonard Downie, Jr. has been the managing editor of *The Washington Post* since 1984. He received his B.A. degree in journalism in 1964, and his M.A. degree in journalism in 1965.

Paul A. Ebert is a surgeon and director of the American College of Surgeons located in Chicago. He received his B.S. degree in zoology in 1954, and his M.D. in 1958.

John T. Eby is currently director of Public Policy Issues for Ford Motor Company's Corporate Strategy Staff in Dearborn, Michigan. He is the former president of Ford Motor Company in Japan. He received his B.S. degree in business administration in 1962.

Paul Ecke, Jr. is the world's largest grower and researcher of poinsettias, based in Encinitas, California. He received his B.S. degree in horticulture in 1949.

Ray J. Groves is the chairman and chief executive officer of Ernst & Whinney in Cleveland. He also is a member of the Board of Governors of the American Stock Exchange. He received his B.S. degree in business administration in 1957.

Richard J. Haayen is chairman and chief executive officer of Allstate Insurance Company, headquartered in Northbrook, Illinois. He received his B.S. degree in business administration in 1948.

Elaine H. Hairston is vice chancellor for Academic and Special Programs for the Ohio Board of Regents in Columbus. She received her B.A. degree in English in 1966, her M.A. degree in speech in 1967, and her Ph.D. in speech in 1970.

Louis M. Heldman, deputy managing editor of the *Miami Herald*, directed staff coverage that won a 1983 Pulitzer Prize at the *Fl. Wayne News-Sentinel*. He received his B.A. degree in journalism in 1972.

Arthur D. Herrmann is chairman and director of BancOhio National Bank in Columbus. He currently chairs Ohio State's College of Humanities Advisory Board. He received his B.A. degree in history in 1947, and his J.D. in 1949.

John C. Jay is vice president and creative director of Bloomingdale's in New York City. He is a winner of several international design awards. He received his Bachelor of Fine Arts in 1971.

Diane E. Kesling is a soloist with the Metropolitan Opera in New York City, and has sung with opera companies worldwide. She received her B.A. degree in music in 1978.

Joan M. Krauskopf is a professor of Law at the University of Missouri in Columbia, specializing in family law and legal issues of the elderly. She received her J.D. in 1957.

Michael A. Lanese, Ohio State's most recent Rhodes Scholar, received the award in 1986 and currently is pursuing advanced studies at Oxford University. He was an academic All-American and co-captain of the 1985 football team. He received his B.A. degree in English in 1986.

Howard M. Metzenbaum, of Cleveland, is a United States Senator from Ohio. He received his B.A. degree in arts and sciences in 1939, and his J.D. in 1941.

Kathryn McDaniel Moore is a professor of education and director of the Center for the Study of Higher Education at the Pennsylvania State University in University Park. She received a B.A. degree in English and a B.S. degree in education in 1965, and her M.A. degree in education in 1966.

Richard M. Morrow is the chairman of AMOCO Corporation based in Chicago, and is a previous recipient of the College of Engineering's Lamme Gold Medal. He received his B.S. degree in mining engineering in 1948.

John T. Mount, of Columbus, is vice president and Dean Emeritus of Ohio State's University College and is a former secretary of the Board of Trustees. He received his B.S. degree in agriculture in 1941.

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- Pin-Chun Yang**, Taipei, Taiwan, R.O.C.; B.A. (National Chengchi University); *Education*
- Ben Yen Yen**, Taiwan, R.O.C.; B.A. (Shanghai Foreign Languages Institute); M.A.; *Business Administration*
- Adnan Bin Yusopp**, Bharu, Malaysia; Bachelor (National University of Malaysia); *Education*
- Karen Eleanore Zahn**, Mansfield; B.S. Nat.Res.; *Education*
- Deborah Lee Zechar**, Dayton; B.A. (Ohio Northern University); M.S. (University of Dayton); *Health, Physical Education and Recreation*

Master of Business Administration

Frank James Agin, Houghton, MI; B.A. (Beloit College); *Business Administration*

Salim Nasr Aatoun, Columbus; B.S.C.E.;
Business Administration

James Ayers, Dayton; B.S.E.E. (Carnegie-
Mellon University); *Business Administration*

Edmund Bernard Bak, St. Marys; B.S.E.E.
(Northwestern University); *Business
Administration*

Lynn Marie Bartholomew, Columbus;
B.S.Bus.Adm.; *Business Administration*

Kelly Allen Beaver, Addison, NY; B.S.
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Administration*

Brenda Kaye Bom, Marietta;
B.S.Bus.Adm.; *Business Administration*

Ralph H. Bonner, East Lansing, MI; B.A.
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Administration*

Mary Rita BriecK, Westerville; B.S. (Point
Park College); *Business Administration*

Damian Francis Carroll, Columbus; B.A.
(Providence College); *Business
Administration*

David Lee Carter, Columbus;
B.S.Bus.Adm.; *Business Administration*

Yaowaluk Chadbunchachai, Yannawa,
Thailand; B.Bus.Adm. (Thammasat
University); *Business Administration*

Kwang-Joon Chang, South Korea;
Bachelor (Seoul National University);
Business Administration

Lynne Marie Coesfeld, Reynoldsburg;
B.S.Bus.Adm. (University of North
Dakota); *Business Administration*

Mark Timothy Conard, Huntington, WV;
B.Bus.Adm. (Marshall University); *Business
Administration*

Mark Ashley Cooper, Lexington;
B.S.Bus.Adm.; *Business Administration*

Cheryl Lynn Cott, North Augusta, SC;
B.S.Chem.Eng. (University of Missouri);
Business Administration

Richard Lewis Coulter, Reynoldsburg;
B.S.Bus.Adm.; *Business Administration*

Roberta Stevenson Culver, Westerville;
B.A.Ed. (University of Florida); *Business
Administration*

Celeste Cour Curran, Dublin; B.S.N.
(Saint Louis University); *Business
Administration*

Paul David Danes, Niles; B.S.Bus.Adm.
(Arizona State University); *Business
Administration*

William Probert Davis, Newark; B.M.E.;
Business Administration

Lawrence Stephen D'Mello, Columbus;
B.S. (Urbana College); *Business
Administration*

John David Edwards, Columbus;
B.S.Bus.Adm.; *Business Administration*

Cheryl Ann Elliott, Plantation, FL;
B.S.Bus.Adm.; *Business Administration*

Robert Kim Ellis, Dublin; B.S.E.E.
(California Institute of Technology);
Business Administration

Katherine Alice Ennis, Columbus;
B.S.Bus.Adm. (Ferris State College);
Business Administration

William Karl Farnsworth, Findlay; B.S.
(Brigham Young University); *Business
Administration*

Nicholas Michael Ferry III, Chillicothe;
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Kelly Christine Flaherty, Columbus; B.A.;
Business Administration

Charles Frederick Fowler, Columbus;
B.S., B.A. (Miami University); *Business
Administration*

David Wesley Freeman, Columbus;
Bachelor (Franklin University); *Business,
Administration*

John Michael Gaul, Columbus; B.A.
(Miami University); *Business Administration*

Robert Steven Gervais, Trooper, PA; B.S.;
Business Administration

Eric Earl Gorka, Mansfield; B.A.; *Business
Administration*

Lorinda Ann Green, Detroit, MI; A.B.
(University of Michigan); *Business
Administration*

Judith Pepple Greffin, Bryan; B.S. (Miami
University); *Business Administration*

Gregory Alan Griffith, Chillicothe; B.S.
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Cynthia Jean Guest, Canton; B.S.
(Bowling Green State University); *Business
Administration*

James Michael Halas, Columbus;
B.S.Bus.Adm.; *Business Administration*

Karen Diane Halpern, Cincinnati; B.A.
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Business Administration

Warren Ira Halpern, Phoenix, AZ; B.A.
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Administration*

Julia Ann Harden, Cincinnati; B.S.
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Michael Charles Harms, Perrysburg;
B.S.M.E. (Marquette University); *Business
Administration*

Steven James Hasler, Lutherville, MD;
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Stephan Thomas Haynes, Little Hocking;
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Administration*

Tom Alexander Bergmann Hermansen,
Nygard, Norway; J.D. (University of
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Gregory Allen Hickman, Marion, IN;
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Administration*

Bonnie Regina Hohlbein, Delphos; B.S.
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Gregory Eldon Horner, Fostoria; B.S.
(Denison University); *Business
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B.Bus.Adm. (National Taiwan University);
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Okechukwu Crescent Itanyi, Ukehe,
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Mary Kathryn Jakeway, Coshocton; B.S.;
Business Administration

Susan Mary Jarvis, Hampton, VA;
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James William Jeffcoat, Rockford, IL;
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DeEttra Faye Jones, Independence, KS;
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Business Administration

Richard Bayly Jones, Westerville;
B.S.Bus.Adm. (Miami University); *Business
Administration*

Robert Ransom Keller, Cleveland;
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Administration*

John Micheal Kendrick, Jackson, MS;
B.S. (Jarvis Christian College); *Business
Administration*

Kenneth Robert Kent, Evansville, IN;
B.S. (Indiana University); *Business
Administration*

Barbara Jo Kiehl, Columbus; B.A. (Walsh
College); *Business Administration*

Do-Soon Kim, Seoul, South Korea; B.A.
(Yonsei University); *Business Administration*

**Nicolas Alexander Dimitrij
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B.A.Bus.Adm. (Seattle University); *Business
Administration*

Paula Kleshinski, Mansfield; B.A.;
Business Administration

Warren Neil Koontz, Jr., Columbus;
B.S.Bus.Adm.; *Business Administration*

Srikanchana Kuneepun, Bangkok,
Thailand; B.A. (Chulalongkorn
University); *Business Administration*

Donald Bryson Kurfee, Jr.,
Louisville, KY; B.Bus.Adm. (Southern
Methodist University); *Business
Administration*

- Cammie LaVerne Laird**, Columbus; B.S. (West Virginia State College); *Business Administration*
- Christopher John Lauritzen**, North Canton; B.S. (Miami University); *Business Administration*
- Steven Allen Lechner**, Columbus; B.S.Bus.Adm.; *Business Administration*
- William Phillips Leemhuis**, Fairview, PA; B.A. (Franklin & Marshall College); *Business Administration*
- Josephine Liauw**, Semarang, Indonesia; B.S.Bus.Adm.; *Business Administration*
- James Andrew Libby**, Youngstown; B.A. (Northwestern University); *Business Administration*
- John Francis Lynch**, Columbus; B.S. (University of Kansas); *Business Administration*
- Steven Arthur Martin**, Columbus; B.S.B.A. (University of Colorado); *Business Administration*
- William Robert Martin**, Delaware; B.B.A. (Kent State University); *Business Administration*
- John Andrew Martino**, Powell; B.S.Bus.Adm. (Miami University); *Business Administration*
- Lianne Gail Maso de Moya**, Albany, GA; B.A., B.B.A. (Albany State College); *Business Administration*
- Thomas James Mason**, Bexley; B.S.I.S.E.; *Business Administration*
- David Lee Mathewson**, Bluffton; B.S.Bus.Adm.; *Business Administration*
- Sanford Tucker Mathias**, Lancaster; B.A. (Miami University); *Business Administration*
- John Edward Mauntler**, Toledo; B.A. (Capital University); *Business Administration*
- Ellen Backstrom McCarthy**, Lima; B.S.Bus.Adm.; *Business Administration*
- Ronald Edward McGonigal**, Springfield; B.A. (Wittenberg University); M.A. (Central Michigan University); *Business Administration*
- Douglas Earl McMillan**, Bexley; B.S. (Miami University); *Business Administration*
- Kurt Michael Merdick**, Youngstown; B.S.C.E.; *Business Administration*
- Michael Joseph Miceli**, Columbus; B.S. (Indiana University); *Business Administration*
- Kyeong Joon Min**, Seoul, South Korea; B. Law (Seoul National University); *Business Administration*
- Lisa Ann Miralia**, Charlotte, NC; B.S. (Meredith College); *Business Administration*
- Frederick Emile Moacdieh**, Bryn Mawr, PA; B.A. (Anderson College); *Business Administration*
- Joan Dascenzo Mock**, Youngstown; B.S. (Youngstown State University); *Business Administration*
- Sung-Ho Moon**, South Korea; Bachelor (Yonsei University); *Business Administration*
- Natalie Kiyoko Moore**, Cincinnati; B.S.B.A. (Bowling Green State University); *Business Administration*
- Jennifer Bogen Morrison**, Columbus; B.S.Bus.Adm.; *Business Administration*
- Jeffery Thomas Murakami**, Dayton; B.S.Bus.Adm.; *Business Administration*
- Kevin Paul Nestor**, New London; B.S. (United States Military Academy); *Business Administration*
- Stephen Matthew Niemi**, Cincinnati; B.A. (Wittenberg University); *Business Administration*
- John Mark Nussbaum**, Orrville; B.S. (Eastern Mennonite College); *Business Administration*
- Alicon Eileen Owen**, Bowling Green; B.A., B.S. (Bowling Green State University); *Business Administration*
- Sookeun Pak**, Seoul, South Korea; B.S. (Korea University); *Business Administration*
- Jun Bum Park**, Seoul, South Korea; B.B.A. (Yonsei University); *Business Administration*
- Deborah Annette Patchen**, Valley City; B.S. (Muskingum College); *Business Administration*
- Mark Douglas Pippin**, Dayton; B.S. (University of Dayton); M.S.; *Business Administration*
- Robert Michael Prescott**, Fort Wayne, IN; B.S.B.A. (Ohio Northern University); *Business Administration*
- Stephen Howard Rauch**, Pickerington; B.S.Bus.Adm.; *Business Administration*
- Brian Richard Rayve**, Troy; B.S. (University of Cincinnati); J.D. (Cleveland-Marshall Law School); *Business Administration*
- Janet Elaine Reiniger**, Worthington; B.B.A. (University of Georgia); *Business Administration*
- Richard Leigh Rinehart**, Columbus; B.S.Bus.Adm.; *Business Administration*
- Tara Ellen Robison**, Genoa; B.S.Bus.Adm.; *Business Administration*
- Daniel Joseph Rogier**, Columbus; B.S.E.E. (Purdue University); *Business Administration*
- Cheryl A. Roller**, Columbus; B.S. (Mount Union College); M.P.A.; *Business Administration*
- Tarn Martin Rosenbaum**, Columbus; B.A. (University of Virginia); *Business Administration*
- Karen Sprehe Ruckman**, Columbus; B.S., M.S. (University of Illinois); *Business Administration*
- Karen Marie Rugani**, Waynesburg; Cert.Grad.Dent.Hyg., B.A.; *Business Administration*
- Rebecca Lynn Sampson**, Traverse City, MI; B.Bus.Adm. (Franklin University); *Business Administration*
- Charles Turner Saunders, Jr.**, Columbus; B.A. (Wittenberg University); *Business Administration*
- Jeffery Alan Schaeper**, Pickerington; B.A., B.S.Bus.Adm.; *Business Administration*
- Michael Lloyd Schmall**, Jericho, NY; B.A. (State University of New York, Albany); *Business Administration*
- Lois Ann Schostek**, Columbus; B.S.Nurs.; *Business Administration*
- Woo-Seok Seong**, Seoul, South Korea; B.B.A. (Yonsei University); *Business Administration*
- Christopher John Snyder**, Grand Blanc, MI; B.S. (Central Michigan University); *Business Administration*
- Reed Stuart Spiegel, Jr.**, Columbus; B.A. (Denison University); *Business Administration*
- William G. Stringer**, Rocky River; B.S. (Syracuse University); *Business Administration*
- Cynthia Louise Swafford**, Columbus; B.S.Bus.Adm.; *Business Administration*
- Peter Fook-Seong Tam**, Kuala Lumpur, Malaysia; B.S.Bus.Adm.; *Business Administration*
- Mary Elizabeth Tedrow**, Groveport; B.S.Nurs.; *Business Administration*
- Donda Foran Thomasson**, West Carrollton; A.A., B.S. (University of Arizona, Pima Community College); *Business Administration*
- Bradley Alan Tilton**, Columbus; B.M.E. (Georgia Institute of Technology); *Business Administration*
- Fortune Angelo Tomassi**, Warren; B.S.C.I.S.; *Business Administration*
- Yuphada Udomsakdi**, Bangkok, Thailand; B.A. (Thammasat University); *Business Administration*
- Jeffrey Brian Upperman**, Columbus; B.S.B.A. (University of Akron); *Business Administration*
- Andrew Todd Vance**, Lancaster; B.S. (Indiana University); *Business Administration*

Charles Daniel Via, Pickerington; B.S. (East Tennessee State University); *Business Administration*

David Scott Warner, Columbus; B.A. (University of Colorado); *Business Administration*

Elizabeth Watson, Akron; B.S.B.A. (University of Akron); *Business Administration*

Roger W. Wheelock, Findlay; B.S. (Colorado State University); M.S. (Northeastern Illinois University); *Business Administration*

Manuel Lee Williams, Meherrin, VA; B.S. (Saint Paul's College); *Business Administration*

Stacy Allyne Wilson, Brandenburg, KY; B.S. (Murray State University); *Business Administration*

Martin Wayne Wilt, Columbus; B.A.; *Business Administration*

Michael Joseph Woerner, Westerville; B.S. (University of Dayton); *Business Administration*

Mark Wilkerson Zando, Cincinnati; B.S. Bus. Adm.; *Business Administration*

Mark Robert Zimmerman, North Canton; B.S. (Grove City College); *Business Administration*

Master of City and Regional Planning

Marwan Bedaway Al-Sharaira, Jordan; B.S. (Al-Azhar University); *City and Regional Planning*

Carol Jean Brown, Columbus; B.A. (Miami University); *City and Regional Planning*

Sarah Hart Buchman, Galloway; B.S. (Ohio University); *City and Regional Planning*

Felix Cebrecos-Revilla, Los Ceranios, Lima, Peru; Ingeniero Civil (Universidad Catolica del Peru); M.S. (The University of Wisconsin-Madison); *City and Regional Planning*

Jung-Han Chen, Taipei, Taiwan, R.O.C.; Bachelor (Feng-Chia University); *City and Regional Planning*

Tapas Das, India; B.Arch., B.C.E. (Jadavpur University); *City and Regional Planning*

Susan Elaine Fisher, Columbus; B.Bus. Adm. (Kent State University); *City and Regional Planning*

Hodjatollah Ghadimi, Hamedan, Iran; B.S. (Lawrence Institute of Technology); *City and Regional Planning*

Abdul Razak Ishak, Majidee Baru, Malaysia; B.S. (University of Wisconsin); *City and Regional Planning*

Hong Kam Lo, Hong Kong, Hong Kong; B.S. (University of Hong Kong); *City and Regional Planning*

Nhur A. Medina, Punto Fijo, Venezuela; B.A. (The American University); *City and Regional Planning*

Rahmat Azam Mustafa, Kulim, Malaysia; B.A. (University of Wisconsin, Green Bay); *City and Regional Planning*

Allan Jay Neimayer, Scio, B.S. (Middle Tennessee State University); *City and Regional Planning*

David Thomas Somppi, Duluth, MN; B.A. (Macalester College); *City and Regional Planning*

Fay Rekos Tzemos, Samos, Greece; B.S.; *City and Regional Planning*

Master of Fine Arts

Barbara Suzanne Banta, Columbus; B.F.A. (Marlboro College); *Theatre*

Richard Ernest Dunham III, Quarryville, PA; B.A. (Millersville University of Pennsylvania); *Theatre*

Cynthia Diane Lammel, New Wilmington, PA; B.A. (Westminster College); *Theatre*

Carolyn Joanne Mapes, Naples, FL; B.A. (Rollins College); *Theatre*

Robert Eugene Moore, Jr., Cascade, CO; B.A. (Black Hills State College); *Theatre*

Helen Murray, King of Prussia, PA; B.F.A. (Stephens College); *Theatre*

Todd William Neal, Indianapolis, IN; B.S. (Northern Michigan University); *Theatre*

James Anthony Rubino, Columbus; B.A., B.F.A., M.A., Ph.D.; *Art*

Karen Frey Snouffer, Westerville; B.S.Ed.; *Art*

Julia Halyburton Suits, Columbus; B.F.A. (Beloit College); *Art*

Kevin James Tanguay-Conlon, Mobile, AL; B.F.A. (The University of South Alabama); *Art*

Master of Health Administration

Abdullah Ahmed Al-Aamer, Riyadh, Saudi Arabia; B.S. Public Admin. (Northern Arizona University); *Hospital and Health Services Administration*

Brian D. Armstrong, Columbus; B.S. (Western Michigan University); *Hospital and Health Services Administration*

Roger Lee Becker, Ottoville; B.S.B.A. (Bowling Green State University); *Hospital and Health Services Administration*

Patricia Anne Boughner, Mingo Junction; B.A. (Miami University); *Hospital and Health Services Administration*

Thomas Christopher Bour, Tiffin; B.S. (University of Toledo); *Hospital and Health Services Administration*

Linda Ann Cheatham, New Castle, PA; B.B.A. (Kent State University); *Hospital and Health Services Administration*

Michael Thomas De Paola, Youngstown; B.S. Bus. Adm. (Youngstown State University); *Hospital and Health Services Administration*

Andrew William Gleich, Bismarck, ND; B.S.B.A. (University of North Dakota); *Hospital and Health Services Administration*

Bradford S. Jones, Columbus; B.A.; *Hospital and Health Services Administration*

Pamela Denise Jones, Detroit, MI; B.S.N. (Oakland University); *Hospital and Health Services Administration*

Jeffrey Jay Knight, Akron; B.S. (University of Akron); R.N. (Akron General Medical Center School of Nursing); *Hospital and Health Services Administration*

Nicholas Porter Lewis, Glasgow, KY; B.S. (University of North Carolina, Greensboro); *Hospital and Health Services Administration*

Lawrence James Lipp, North Canton; B.S. Pharm.; J.D. (University of Akron); *Hospital and Health Services Administration*

Deborah Lopuchovsky, Hubbard; B.S.; *Hospital and Health Services Administration*

David Michael Pilasky, Warren; B.S. (Kent State University); *Hospital and Health Services Administration*

Mark Thomas Rizzutti, Urbana; B.A., M.P.A.; *Hospital and Health Services Administration*

William David Woolverton, Niles, MI; B.S. (Purdue University); *Hospital and Health Services Administration*

Kathleen Louise Zid, Powell; B.A. (Miami University); *Hospital and Health Services Administration*

Master of Labor and Human Resources

Jennifer Dworkin, Cleveland; B.A. (Wellesley College); *Labor and Human Resources*

Fred Charles Esmont, Columbus; B.S. Bus. Adm.; *Labor and Human Resources*

Robert Christopher Granger, Cincinnati; B.S. (University of Cincinnati); *Labor and Human Resources*

Aurelia Debuur Kubayanda, Ghana; B.A. (University of Ghana); M.A. (Washington University); *Labor and Human Resources*

Egdilio J. Morales, Cleveland; B.A. (Xavier University); M.P.A.; *Labor and Human Resources*

Vicki Darlene Treciak, Findlay; B.S. (Ball State University); *Labor and Human Resources*

Marilyn Kaye Trefz, Waldo; B.S.H.E.; *Labor and Human Resources*

Robert William Windle, La Puente, CA; B.S. (Saint John's University); *Labor and Human Resources*

Master of Landscape Architecture

Elsa Johnson LeFaiver, Cleveland; B.A. (Bowling Green State University); *Landscape Architecture*

Gi Chul Yi, Pusan, South Korea; B.Agr., M.Agr. (Kyungpook National University); *Landscape Architecture*

Master of Liberal Studies

Stafford Carter Noble, Columbus; B.A. (Amherst College); *Liberal Studies*

Master of Music

Pavana T. Baird, New Castle, PA; B.Mus. (Clarion University of Pennsylvania); *Music*

Stephen Douglas Bobst, Portsmouth; A.B. (Asbury College); *Music*

Harold Edward Brokaw, Columbus; B.Mus. (Arizona State University); *Music*

John Thomas MacKay III, Norton; B.Mus.Ed., B.Mus. (University of Akron); *Music*

Gregory Raymond Sundt, Columbus; B.Mus. (Wayne State University); *Music*

Master of Public Administration

Melvin Cleveland Burns II, Muskegon Heights, MI; B.S. (Oakland University); *Public Administration*

Maurice Duryea Carter, Fluvanna, VA; B.S.Ed. (Saint Paul's College); *Public Administration*

King Tiong Chai, Selangor, Malaysia; B.S.Bus.Adm.; *Public Administration*

Kenneth Ranoal Davis, Hooks, TX; B.A. (Prairie View A & M University); *Public Administration*

Paul Joseph DiNapoli, Columbus; B.S.Bus.Adm.; *Public Administration*

Richard Bradley Fisher, Circleville; B.A. (Ohio Northern University); *Public Administration*

Scott Allen Gary, Bridgeport; B.A.; *Public Administration*

Robert Christopher Granger, Cincinnati; B.S. (University of Cincinnati); *Public Administration*

William Wayne Hedrick, Columbus; B.S.Nat.Res.; *Public Administration*

Margaret Hart Jackson, Savannah, GA; B.A. (Savannah State College); *Public Administration*

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Timothy Shane Mann, Columbus; B.A. (Ohio University); *Public Administration*

Timothy Lee Minelli, Hamilton; B.A. (University of Dayton); *Public Administration*

Daniel John Moffat, Columbus; B.S. (Eastern Michigan University); *Public Administration*

Richard Allan Owens, Youngstown; B.A. (Arkansas Polytechnic College); *Public Administration*

Patty Lynn Perkins, Sparta, IL; B.A. (Monmouth College); *Public Administration*

Charles Wesley Phillips III, Cincinnati; B.A. (Indiana University); *Public Administration*

Marc Alan Protsman, Lima; B.A. (Ohio Northern University); *Public Administration*

Marcy Ann Rood, Galion; B.A. (Ashland College); *Public Administration*

Patricia Suzanne Wells, Philadelphia, PA; B.A. (Wittenberg University); *Public Administration*

Jeremy Allen Williams, Norton; B.A.; *Public Administration*

Michael Ray Williams, Ashland; B.A. (Union College); M.Div. (Methodist Theological School); Ph.D. (United Theological Seminars); *Public Administration*

Jonathan Randolph Wylly, Worthington; B.A. (Ohio University); *Public Administration*

Lynda Deana Zamora, Cleveland; B.A.; *Public Administration*

Master of Science

Bassam A. Abu-Hijleh, A/R; Amman, Jordan; B.S.M.E.; *Mechanical Engineering*

Muhammad Maher Al-Rijleh, Damascus, Syrian Arab Republic; B.S.; *Civil Engineering*

Joyce W. Altman, Evanston, IL; B.S.All'd.Hlth.Prof.; *Allied Medical Professions*

Maria Liza De Ungria Arboleda, Quezon City, Philippines; B.S., M.S. (University of the Philippines); *Statistics*

Michael Aloysius Arnold, Zanesville; B.S.Bus.Adm., B.S.Agr.; *Horticulture*

Alfred John Austria, Brecksville; B.A. (Case Western Reserve University); *Microbiology*

Murat Azizoglu, Ankara, Turkey; B.S. (Middle East Technical University); *Electrical Engineering*

Jean-Claude Malik Ba, Montpellier, France; B.S. (Montpellier University); *Physics*

Amos Lavi Bahiri, Delaware; B.S. (Tel-Aviv University); M.S.; *Computer and Information Science*

Alex Catane Bajamonde, Oroquieta City, Philippines; B.S. (University of the Philippines); *Statistics*

Bela Bajnok, Budapest, Hungary; Diploma (Eotvos University); *Mathematics*

Bonita-Jo Bartos, Westerville; B.S. (Kent State University); *Nursing*

Arun Kumar Basak, Calcutta, West Bengal, India; B.M.E. (Jadavpur University); M.Eng. (Asian Institute of Technology); *Mechanical Engineering*

Kathy Jean Batcha, Warren; B.S.Pharm.; *Pharmacy*

Farshad Bavarian, Columbus; B.S.Ch.E.; *Chemical Engineering*

Laura Lee Berry, Bainbridge, GA; Pharm.D. (University of Nebraska Medical Center); *Pharmacy*

Puneet Bhasin, Lucknow, Uttar Pradesh, India; B.Engg. (Visvesvaraya Regional College of Engineering); *Industrial and Systems Engineering*

Robert John Bowling, Florence, KY; B.S. (Northern Kentucky University); *Chemistry*

Lotfi Braham, Teboulba, Tunisia; B.S.; *Civil Engineering*

Mohamed El Amine Brihoum, Constantine, Algeria; B.S.E.E. (Polytechnic of Algiers); *Electrical Engineering*

Robert Ernest Buehler, Cincinnati; B.S.Agr.; *Agronomy*

- Alexander Burkat**, Columbus; B.S.I.M.E. (Automobile & Road Construction Institute); *Mechanical Engineering*
- Jesse Fintan Caravaggio**, Bridgeport; B.A. (Washington and Jefferson College); *Chemical Engineering*
- Michael Kenneth Carmel**, Columbus; B.S. (University of Cincinnati); *Nuclear Engineering*
- Cheryl Anne Chandler**, Shinnston, WV; B.S.Ch.E. (West Virginia University); *Bio-Medical Engineering*
- Ming-Daw Che**, Taipei, Taiwan, R.O.C.; B.S. (National Chung-Hsing University); *Agronomy*
- Changhe Chen**, Qinyang, Henan, P.R.C.; B.Eng. (Jiangsu Institute of Technology); *Agricultural Engineering*
- Chia-Chi Chen**, Taipei, Taiwan, R.O.C.; B.S. (National Taiwan University); *Civil Engineering*
- Hung-Hsu Fred Chen**, Taipei, Taiwan, R.O.C.; B.S. (Tsing-Hua University); *Mechanical Engineering*
- Justin Jiunn-Chai Chen**, Taipei, Taiwan, R.O.C.; B.S. (National Taiwan University); *Dairy Science*
- Pin Chen**, Taipei, Taiwan, R.O.C.; B.S. (Chung Yuan Christian University); *Civil Engineering*
- Shing-Der Chen**, Taipei, Taiwan, R.O.C.; B.D.S. (Kaohsiung Medical College); *Dentistry*
- Yu-Nu Chen**, Taipei, Taiwan, R.O.C.; B.M.D. (Taipei Medical College); *Dentistry*
- Sailesh R. Chittipeddi**, Bombay, India; B.S. (University of Bombay); *Physics* (Northern Illinois University); *Physics*
- Shu-Wu Chiu**, Taiwan, R.O.C.; B.S. (Cheng Kung University); *M.S.; Electrical Engineering*
- Steve Tae-Hyung Cho**, East Brunswick, NJ; B.S.E.E. (Massachusetts Institute of Technology); *Electrical Engineering*
- Todd Ernest Chontos**, Martins Ferry; *Physiological Optics*
- Mohamad Hisham Choueiki**, Beirut, Lebanon; B.S.I.S.E.; *Industrial and Systems Engineering*
- John Robert Ciotola**, Youngstown; B.S. (Youngstown State University); *Mathematics*
- Manampeli Mahapatrabendiralalage Lakshman Michael Cooray**, Wadduwa, Sri Lanka; B.S. (University of Ceylon); *M.Appl.Stat.; Statistics*
- Becky Ann Cronin**, Columbus; B.S. (David Lipscomb College); *Home Economics*
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- Dennis R. Daniels**, Columbus; B.A., M.A. (University of Toledo); *M.A.; Computer and Information Science*
- Richard Daquila**, Strongsville; B.S. (Baldwin-Wallace College); *Mathematics*
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Deans:
Joan Huber

Dean for Undergraduate Studies:
Thomas A. Wilke

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

College of the Arts
College of the Biological Sciences
College of the Humanities
College of the Mathematical and Physical Sciences
College of the Social and Behavioral Sciences

College of the Arts

Dean: Andrew J. Broekema

Bachelor of Arts

Kevan Paul Asadorian, Chagrin Falls
David Lee Bair, North Royalton
Josef Luis Banks, Columbus
Diane Elizabeth Bateman, Collegeville, PA
Kevin Lee Brenneman, Englewood
ElizaBeth Anne Cloutier, Powell
Charles Walter Dunster, Columbus
Denise Frazee, Athens
Scott Robert Hahn, Bellevue
Robert Eugene Hipp, Lebanon
Jeffrey Patrick Ingram, Tallmadge
Bruce C. Mackie, Columbus
Tina Marie Overly-Tanski, Columbus
Janet Marie Puhalla, Austintown
Delita E. Raisbeck, Worthington
Carole Diane Richter, South Euclid
Karen Louise Scholtz, Chagrin Falls
Eric John Sweistad, Columbus
Angela Stella Vivo, Youngstown

Bachelor of Fine Arts

William Todd Abele, Westerville
Dana Katharine Anderson, Akron
Joan U. Ball, Worthington
Michele Therese Bertone, Painesville
Myra Bojanic, Columbus
Kathleen Ann Brown, Cincinnati
Walter Philipp Burbach, Mansfield
Andrew Barton Campbell, Columbus
Carol Contiguglia Carver, Novelty
Kelly Aileen Cica, Lakewood
Dorothy E. Cook, Lima
Monica Mary D'Agostino, Corte Madera, CA
Joseph Lee Daniels, Galena
Chris Alan DiGiacomo, Canton

David Timothy Driscoll, Wintersville
Kenneth Edward Eyerman, Orient
Luis Arnaldo Figueroa, San Juan, PR
Marilyn Sue Flanagan, Mansfield
Camela Marie Furry, Kettering
Todd Eugene Gantzler, Crestline
Russell Hand III, Columbus
Timothy Craig Jennings, Bellefontaine
Andrea Lynn Johnson, Mansfield
Barry Edward Johnson, Columbus
Meriellen Johnson, Cincinnati
Stephanie Jump, Kettering
Laura Lynn Juzenas, North Olmsted
Emily Jane Karaffa, Granville
Laura Ann Kazsmer, Mentor
Christopher Allen King, Cincinnati
Kathy Lou Leach, Columbus
Athanasios Maggioros, Athens, Greece
Evan Alan Maxwell, Columbus
Lesliann McCord, Kettering
Patricia Jean Monaghan, Toledo
Maria Margaret Musso, Brook Park
Elizabeth Ann Noles, Columbus
Janet Ann Otis, Columbus
Nimisha Nalin Patel, Columbus
Katrina Ann Raitch, Mansfield
Cheryl Ann Rave, Cincinnati
Laura Ann Reichard, New Albany
Georgeanne Marie Rice, Westerville
David Curtis Ryan, Clifton Park, NY
John Jefferson Schiff III, Cincinnati
Martina Maria Shenal, New Washington
Marla Lynne Sucharetza, Avon Lake
Nancy Anne Sullivan, Columbus
Margaret Elizabeth Terrell, Columbus
Christopher Alan Tewell, Marion
Lana Sharon Thorman, Beachwood
Alex Valdez Trevino, San Antonio, TX
Christine Anne Verleny, Cuyahoga Falls
Molly Ann Watson, Caldwell
Joan M. Webster, Tiffin
Alan Fredrick Wheeler, Reynoldsburg

Bachelor of Music

Jennifer Kay Allison, Mason
Mark Andrew Baker, Grove City
Robert Eric Bauerle, Radnor
Eric Neil Delson, Mayfield Heights
Jeanie Kathryn Lee, Sylvania
Sandra Kay Lunte, Lakewood
Susan Adele Shipman, Worthington
Elizabeth Ann Welsch, Sugarcreek

Bachelor of Art Education¹

Brent Alden Bartmess, New Albany
Jason Mitchell Janoski, Columbus
Mary Elizabeth McCarthy, Hudson
Janet Ann Otis, Columbus
Mark Anthony Skipper, Columbus

Bachelor of Art Education²

Jodi Lynne Davidson, Westerville
Beth Ann Dixon, Gahanna
Patricia Marie Emigh, Gahanna
Susan Kathleen Heffner, West Milton
Carol Sue Kape, Columbus
Stefanie Annette Myers, Troy
Edward Brian Schwab, Holgate
Melissa Elaine Waid, Warren

Bachelor of Music Education²

Jennifer Kay Allison, Mason
Ralph Lawrence Buening, Columbus
Craig Thomas Clemens, Mingo Junction
Shari Rene Dershem, Marietta
Patrick Francis Dowling, Strongsville
John Richard Evans, Utica
Terren Lee Frenz II, Alliance
John Allen Fuller, Columbus
Holly Ann Gerken, Columbus
Cecilia Lee Choo Lee, Columbus
Hsueh-Ni Lee, Singapore
Carla Denise Leonard, Pickerington
Cathy Lynn Read, Alliance
Christina Ann Regule, Hermitage, PA
Rita Storm Sanzi, Port Jefferson Station, NY
Todd Whitman Seymour, Sylvania
Scott Michael Shaw, Chesterland
Mark Douglas Smith, Galloway
Eric James Strouse, Columbus
Gerald Edward Textor, Dayton

Bachelor of Science in Audio Recording

Catherine A. Baumgartner, Columbus
Timothy Scott Boysel, Rushsylvania
Kurt Randall Brown, Lexington, KY
Antonia Marie Eviston, Columbus
Mark Robert Hartzell, North Royalton
Shawn Francis McLean, Gibsonia, PA

Bachelor of Science in Industrial Design

Victoria Susan Bailey, Alexandria, VA
Mark David Bartlett, Mansfield
Vincenzo Boccardi, Fairview Park
Jasna Lorraine Bosiljevic, Bratenahl
Kimberly Ann Carrera, Canfield
Donald Scott Cavin, Livonia, MI
Scott K. Crider, Marion
Michael Edward Crist, Huber Heights
Steven Thomas Davidson, Pemberville
Susan Lynne DeWitt, Columbus
Karen Estep-Beckett, Columbus
Ronald Joseph Frissora, Columbus
John Aloysius Galvin, Madison
Mark Anthony Gilbertson, Detroit Lakes, MN

¹Offered by the College of the Arts and the College of Education

²Offered by the College of the Arts

Grace Alice Greczanik, Wadsworth
 Paul Charles Henninge, Worthington
 Timothy Paul Hershner, Granville
 Suzanne Kay Hoag, Columbus
 Drew William Holland, Delaware
 Matthew Shawn Holloway, Marion
 Scott Donald Hultzman, Medina
 Paul Joseph Johanni, Westlake
 Timothy Allan Karl, New Philadelphia
 Patricia Elizabeth Kelly, Columbus
 R. Michael Layton, Columbus
 Robert William Lhota, Canton
 Craig Leroy Markin, Columbus
 Susan Beth McNulty, Cincinnati
 Kevin Michael Meyers, Fairborn
 Kimberly Ann Nervig, Berea
 David I. Nordholt, Columbus
 Denise Anne Pickering, Mentor
 Hillary J.N. Radbill, Columbus
 Robyn Sue Ramseyer, Millersburg
 Cynthia Elaine Smith, Columbus
 Diana Lynn Steinbach, Mayville, NY
 Sarah Lynn Stibbe, Sylvania
 Kevin Richard Striker, Alpena, MI
 Michael Ernest Touchette, Dayton
 Heidi Lynn VanBenthuyssen, Columbus
 Krina K. Walsh, Columbus
 Carol Walling Wand, Berkeley, CA

College of Biological Sciences

Dean: William A. Jensen

Bachelor of Arts

Hector Antonio Caballero, Caguas, PR
 Joel Michael Hatch, Vallejo, CA
 Laura Staker Hipps, Mansfield
 Eric Elden Hoffman, West Liberty
 Ann Margaret McEvoy, Cincinnati
 Kurt Thomas Metzler, Delaware
 Michelle Creamer Pristic, Copley

Bachelor of Science

Robert Dean Acton, Springfield
 Wendy Jean Andrews, Newark
 Angela Jane Barrett, Chillicothe
 Munish Kumar Batra, Maple Heights
 Kenneth Alan Beckman, Columbus
 David Richard Behringer, Defiance
 Jaime Anita Berry, Columbus
 George Martin Blake, Fairborn
 Michael Todd Boggs, Orrville
 Linda Yvonne Brent, Columbus
 Florence Wandor Buriának, Columbus
 Laura Lynn Burton, Cincinnati
 Mehmet Akin Cabi, Warren
 Brian Gary Cole, Mt. Blanchard
 Pamela Jane Craig, Coal Grove
 Jeffery Robert Cromwell, Greenville
 Richard Kyle Cross, Columbus
 Roger Leroy Daniels, Pickerington
 Carrie Marie Delmoro, Medina
 Louis Steven DeLuca, Mayfield Heights
 Gregory Lewis Denison, Kettering

Kent Bryan Detweiler, Marion
 Michael Lee Dickens, Dover
 Lisa Ann Drake, Warren
 Rosita M. Dunfee, The Plains
 Gregory Mark Eberhart, West Jefferson
 Jon Erwyn Edmondson, Baltimore, MD
 Steven Lewis Elieff, Perryburg
 John Stuart Engelhardt, Cincinnati
 Daniel Bernard Erlanger, Canton
 Brian Marvin Evans, Manchester
 Sarah Anne Ewashinka, Rocky River
 Farzad Firouzian, Tehran, Iran
 P. Jérémie Folger, Cincinnati
 Charles Kevin Geedey, Columbus
 Sabrina Eileen Glenn, Youngstown
 Charles Michael Goddard II, North
 Canton

James Michael Gossard, Dublin
 James Arthur Goudy II, Mt. Vernon
 Laura Ann Greenawalt, Milton, WV
 Stephen Nicholas Hainen, Worthington
 Andrea Joy Hart, South Euclid
 Diane Susan Heien, Athens
 Karen Elizabeth Hill, Columbus
 Stefani Jo Hines, Orient
 Ann Marie Hipsley, Wellsville
 Brenda Sue Holland, Painesville
 Joan Anne Kapraly, Warren
 Wendy Lee Kendrick, Massillon
 Debra Jeanne Kern, Parma
 Elizabeth Ann Kleinhenz, Lakewood
 Joel Andrew Kreps, Wooster
 Laura Ann Krietemeyer, Fort Jennings
 Thomas Joseph Leano, North Ridgeville
 Diana Carole Lee, Pickerington
 Lyle Stewart Lowry, Grove City
 Robert Francis Madej, Poland
 Douglas Michael Magorien, Woodsfield
 Paul Anthony Mancuso, Warren
 Robert Edward Marsico, Jr., Silver Lake
 Jennifer Lynn Martin, Port Clinton
 Michael Allen Martin, Mentor
 Michael Edward Martin, Portsmouth
 Mark John Matyazic, Aurora
 Kevin James May, Hanoverton
 Robin Elizabeth McBride, Cincinnati
 Mark Steven McClain, Country Club
 Hills, IL

Gwendolyn Kay Minich, Fremont
 Paul J. Minnillo, Jr., Elyria
 Jaybalan R. Moodley, Marion
 Kevin John Moore, Rootstown
 John David Morgan, Akron
 Susan Lynette Morrow, South Charleston
 Scott Arthur Mugge, Kettering
 Brian Scott Myers, Simsbury, CT
 David Gerard Myszka, Tallmadge
 John Cabell Nowery, Stockport
 Catherine Jo Oatman, Olmsted Falls
 Paolo Daniel Oleese, Scarsdale, NY
 Christopher Michael Orabella,
 Mayfield Heights
 Kevin James Pascoe, Hudson
 Laura Chinglan Peng, Columbus
 Brian Keith Pikul, Garfield Heights
 Catherine Diane Porter, Chagrin Falls
 Edward Kevin Renshler, Columbus
 Denise Annette Richey, Centerville
 Sheila Ann Rockenfelder, Ashland

Bradley Dean Rosen, Columbus
 Kelly Diane Ross, Macedonia
 Thomas Anthony Rossi, Warren
 Gregory Todd Schooler, Columbus
 Webstery Todd Schulte, Dublin
 Janet Louise Seiby, Newark
 Pamala Anne Senger, Miamisburg
 Rebecca Ruth Shepard, Portville, NY
 Upinder Singh, Columbus
 Howard Evan Skolnick, Beachwood
 Pamela June Snyder, Lake Milton
 Kelli Lee Steele, Wheelersburg
 Scott Alan Timmerman, Wapakoneta
 Kristin Ann Vanecko, Gahanna
 Michael Joseph Vollman, Cincinnati
 Lisa Dawn Wade, Delaware
 Pamela Susan Walker, Upper Arlington
 Brian Jay Walsh, Gahanna
 Kevin Vaughn Ware, Upper Arlington
 Lauri A. Wast, Maumee
 Douglas Sheridan Weaver, Canfield
 Darryl Neal Willett, Upper Arlington
 Bret Alan Wing, Hendersonsville, NC
 Cynthia Ann Wulock, Gahanna
 Mark Gerard Wuest, Cincinnati
 Tracy Allen Younkin, Columbus

College of Humanities

Dean: G. Micheal Riley

Bachelor of Arts

Mitchell Wade Allen, Morrow
 Frank James Andersen, Tipp City
 Mark William Aninao, Cincinnati
 Darren Patrick Arthur, Columbus
 Shelby Jeanne Bartellis, Dayton
 Brian Gerard Bellamy, Bexley
 Ronald Martin Borucki, Cincinnati
 Sarah Elizabeth Boyer, Granville
 Nancy Lynn Brand, Upper Arlington
 Stephen Edward Briss, Columbus
 Edna Denise Carlisle, Cleveland Heights
 Kimberly Ann Clary, Warren
 Laura Lynn Cox, Cincinnati
 Simone Michele Crist, Columbus
 Scott Alan Davison, Columbus
 David Andrew Delisi, Bradford
 Woods, PA
 Stephen Scott DeWeese, Columbus
 Alan James Dover, Cleveland
 Dina Marie Eli, Masury
 Carol Suzanne Elswick, Amlin
 Tanja Renè Fazzari, Toledo
 Mark Richard Finneran, Boardman
 Dixie Jo Fisher, Columbus
 Carol Alan Davison, Dayton
 Marla Kay Foster, Marion
 Jonathan Eric Fox, Dayton
 Laura Ann Garza, Bloomville
 Charles Kevin Geedey, Columbus
 Andrew Joseph Glass, St. Henry
 Susan Beth Glennon, Cincinnati
 Christopher Neale Grierson, Columbus
 Kenneth Griffin, Chicago, IL
 Walter Eugene Grunden, Bryan

Gina Marie Handy, Gloversville, NY
 Matthew Rex Hanna, Kenton
 Mark Larry Haver, Hicksville
 Sarah Lois Hawkins, Dayton
 Jane Olt Healy, Dayton
 Gail Arlene Hershberger, Louisville
 Sharon Lynn Hewes, Columbus
 Karl Allan Hilberg, Battle Ground, WA
 Regina Lynn Hilburn, New Albany
 Elaine Theresa Hunter, Columbus
 Patricia Ellen Kedzerski, Rock Creek
 Laurel Lee Kerkhoff, Westerville
 Wendy Jo Kessler, Columbus
 Douglas Lee Ketrone, Eaton
 Daniel Alan Klein, Dayton
 Jennifer Ann Kleine, Cincinnati
 Ernestine Knapp, Columbus
 Shannon Dawn Krahenbuhl, Albany, NY
 Lynn Marie Kremer, Cincinnati
 Adrienne Joan Kuder, Seville
 Andrea Marie Kuntzman, Dayton
 Jeffrey Eric Kuzma, Columbus
 Susan Michelle Lang, Columbus
 Ellen Christine Leach, Columbus
 Fred Phillip Lenhardt, Concord
 Scott-Eric Lindner, Columbus
 Stephanie Anne Lipman, Chicago, IL
 Lynette Helms Loury, Columbus
 Carl Andrew Lux, Dayton
 Tammy Elizabeth Marshall, New Paris
 Frank Dominic Maureri, Euclid
 Mylinda Alice Mayfield, Columbus
 Denise Anne Mazón, Columbus
 Jennifer Jean McCarty, Bryan
 Barbara Jo McClung, Tiffin
 Diane Shirley McCorkle, Garfield Heights
 Jay Thomas McKay, Lorain
 Freda M. Miller, Berlin
 Melody Denine Miller, Newark
 Karen Elizabeth Mock, Worthington
 Sara Jane Moynihan, Toledo
 Paul Wesley Newkirk, Middletown
 David Churchill Oglevee, Rye, NY
 James Michael Pakulis, Canandaigua, NY
 Michael Anthony Parrett, Grove City
 Laura Chinglan Peng, Columbus
 Mark David Perlman, Cleveland Heights
 Timothy Perry, Columbus
 Phyllis Annette Pizzutti, Ellicottville, NY
 Sherrie Kay Polen, Alliance
 Julie Diane Polter, West Unity
 Tanya Jane Poteet, Columbus
 Laura Beth Powers, Canfield
 Sandra Jean Rader, Columbus
 John Dominic Rice, Canal Winchester
 Erika Marie Riethmiller, Columbus
 Jeffrey Herbert Ross, Wayne, NJ
 Samuel Mark Salyer, South Lebanon
 Anastasia C. Sarantopoulos, Youngstown
 Michelle Eileen Sawyer, Granville
 Caroline Frances Anne Seymour, Gambier
 Christine Marie Shupala, Perry
 Julia Lynn Simonian, Upper Arlington
 Stephen Amon Smoot, Crown Point, IN
 Pascal J. Somosierra, Casablanca, Morocco
 Joan Bertschy Sonneborn, Columbus
 Parrish Blake Stanton, Dublin
 Craig Munro Starr, Columbus
 Eric Nelson Stauffer, Glenside, PA

Susan Marie Stealey, Belpre
 Kathleen Denise Stone, West Carrollton
 Robert Henry Stone, Alliance
 William Morton Sumner, Columbus
 Mark David Tallan, Dayton
 Emily Jeane Taylor, Sheffield Lake
 Kelly Michele Thermos, Sidney
 Rachel Rhors Todd, Columbus
 Tammy Lynn Tormasi, Navarre
 Han Tran, Columbus
 Keith Allen Traxler, Carey
 Gilles Karl Van Nederveen, Bay Village
 Wendy Ann Watkins, Worthington
 Kathie Jo Weinsteger, Westerville
 Louise Janet Wigney, Columbus
 Lurleen Yiamouyiannis, Delaware

College of Mathematical and Physical Sciences

Dean: C. William Kern

Bachelor of Arts

John Darrell Balazs, Centerville
 Douglas Edward Bischoff, Powell
 Kim Brandhorst, Baltimore
 Gary Dale Chesser II, Canal Winchester
 David Anthony Cimprich, Kettering
 John Edward Fisher, Chagrin Falls
 Jeffrey Alan Glenn, Cincinnati
 Robert Phillip Gurley, Fairport Harbor
 Victoria Lynn Haptonstahl, Columbus
 Brigid Ellen Heid, Fremont
 Andrew Jenkins, Cleveland Heights
 Donald Russell Johnson, Columbus
 Scott Mitchell Lawrence, Columbus
 Andrew Ying-Liang Lin, Columbus
 Mark Henry Nemeth, Beaver Creek
 Charles Richard Orlosky, Ashville
 Carl Vincent Phillips II, Worthington
 Thomas Edward Stephens, Cleveland
 Steven Olivier Stewart, Toledo
 Mark Edward Stoll, Fairview Park
 Richard Edward Thomas, Friendswood, TX
 Kenneth Michael Vitellas, Wintersville

Bachelor of Science

Stephanie Renee Abshaw, Shaker Heights
 Francis Joseph Alexander, Warren
 Thomas Phillips Anderson, Columbus
 Timothy John Arnold, Findlay
 Charles Franklin Backus, Jr., Rehoboth Beach, DE
 Richard Warman Bailey II, Columbus
 Michael Craig Bartmess, Groveport
 Joseph John Batka, Jr., Beaver Creek
 Thomas Scott Boardman, West Chester
 Theodore Richard Campbell, Salem
 Vincent Louis Capuano, Canton
 Julie Kay Carleton, Columbus
 Gregory Omar Carpenter, Powhatan Point
 Brian Wynn Collins, St. Paris

Karen Elaine Conrad, New Holland
 Jennifer Eileen Craig, Washington Court House
 Theresa Marie Crotty, Westerville
 C. Ahmad Khalid C. Yong, Terengganu, Malaysia
 Richard James Davis III, Louisville
 James Allen Day, Whitehall
 Marc Patrick DelGarbino, Warren
 Christopher Dean Drobnik, Brunswick
 Michael Wesley Drobnik, Brunswick
 Michael Patrick Dugan, Cincinnati
 Troy A. Evans, Columbus
 John Allen Fite, Whitehall
 Richard William Fullerton, Centerville
 Niki Kanarios Galatoulas, Munroe Falls
 Timothy John Gardner, Lodi
 Mark Joseph Geregach, North Royalton
 Nancy Theresa Gerstner, Kettering
 Terence Joseph Gibboney, Columbus
 Mark Coleman Gleeves, Jackson
 Thomas John Greenlee, Pickerington
 Robert Michael Hamilton, Maumee
 John Whitaker Havlicek, Worthington
 Beth Heironimus, Columbus
 Edward Anthony Hirsle, Eastlake
 Sharon Marie Hoch, Camden, DE
 James D. Hollingshead, Columbus
 Michael Alan Holstein, Columbus
 Theodore Carl Horst, Cincinnati
 Fred E. Hutson, Columbus
 Patrick John Ingram, Lowell
 Trent Edward Jay, Zanewiseville
 Gregory Alan Johnson, Kirtland
 David Wesley Jordan, Cuyahoga Falls
 Elinor Ingeborg Josefson, Dublin
 Chassan Elias Kassabji, Beirut, Lebanon
 Spyridon George Kazianis, Athens, Greece
 Randolph Eugene Kern, Lucas
 Jeffery Todd Klein, Dayton
 Peter Gerard Klimko, Cincinnati
 Mark C. Kochte, Ravenna
 Karen Krueger, Mentor
 Janet Soriano Labasan, Columbus
 David John Languis, Lincoln, NE
 Charles Jeffrey Lee, Chillicothe
 Diane Elizabeth Levin, Canton
 Christopher Stephen Litts, Columbus
 Anthony John Lloyd, Pataskala
 Cedric Keith Manuel, Dayton
 Garry Hugh McGrail, Worthington
 Gareth Meyrick, Columbus
 Christopher James Montgomery, Albuquerque, NM
 David Moezsham, Columbus
 Raymond L. Musselman, Apple Creek
 Donald Patrick Myers, Columbus
 Mark Henry Nemeth, Beaver Creek
 Joseph Alan Nidy, North Canton
 Craig Dean Owens, Lancaster
 Amy Sue Park, Maple Heights
 Manuel Alberto Pedrozo, Dalton
 Marvin John Pozderac, Garfield Heights
 Scott Edward Reddig, Ashtabula
 Edward Thomas Reischman, Wooster
 Michael Devon Salters, Columbus
 Nicholas Rex Sasso, Columbus
 Michelle Lee Schlotter, Columbus
 Lawrence Paul Schmelzer, Columbus

Pamela G. Schrader, New Philadelphia
 Teresa Anne Schweitzer, Columbus
 Craig Douglas Smith, Circleville
 Stephen Duff Strohl, Worthington
 Susan Kathleen Sugden, Worthington
 Donald Alan Theodos, New Albany
 LeeAnn Trufant, Blacklick
 Patrick Donald Uehlein, Lorain
 James A. Vagnier, Columbus
 Steven Holden Vance, Chagrin Falls
 Kristina Elisabeth Hildegard Van
 Nederveen, Bay Village
 Nicola Jude Vincenzo Ventura I,
 Cleveland
 John David Wear, Washington, DC
 John Wallace Weatherly, Palma de
 Mallorca, Spain
 Elizabeth Ann Wentz, Huron
 James Hugo Williamson, Jr., Mansfield
 Todd David Winkler, Cincinnati
 Mohammad Ali Zeid, Palestine

College of Social and Behavioral Sciences

Dean: Joan Huber

Bachelor of Arts

Todd Allen Abele, Mechanicsburg, PA
 Diana Acevedo, New York, NY
 Karen Arduini, Muncie, IN
 Molly Jean Armstrong, Reynoldsburg
 Scott Ward Armstrong, Toledo
 John William Ashton III, Upper
 Arlington
 Linda Sue Bachman, Gahanna
 Colleen Marie Batn, Cincinnati
 Wendy Allison Baker, Hopewell, NJ
 Douglas Anthony Balcer, Reynoldsburg
 Daniel Joseph Ball, Centerville
 Sue Ellen Ballew, Asheville, NC
 Elizabeth Anne Balyeat, Lima
 Lorin Ann Banker, Cincinnati
 Julie Anne Barcus, Akron
 Bradley Robert Barker, Westerville
 Philipp Michael Baskerville, Prospect, CT
 Dana Lynn Batch, Columbus
 Connie Jean Beagle, Warsaw
 Steven Robert Bee, Columbus
 Elizabeth Renée Beifus, Cumberland
 David Wilson Bennett, Toledo
 Rita Marie Benson, Columbus
 Aderajew Gezahagne Beyene, Gondar,
 Ethiopia
 Brian Michael Bidish, Steubenville
 Lisa Ann Bingham, Columbus
 Lyněe Szucs Bixler, Amherst
 Susan Kay Blaumeiser, Canton
 Elliot Blumenstein, Columbus
 Frances Marie Bockhorst, Cincinnati
 Tami Lynn Boldt, Toledo
 Marc Avery Booker, Warren
 Karen Marie Boyd, Spartanburg, SC
 Bryan Dean Bradbury, Reynoldsburg
 Mary Theresa Brantley, Chillicothe

Constance Louise Bridges, Chagrin Falls
 Jamie Andrea Briggs, Columbus
 Edward Joseph Broderick, Westlake
 Emma Player Brown, Dayton
 Kimberly Kay Brown, Westerville
 Paula Marie Brown, Garfield Heights
 Gary John Buckshaw, Salem
 Natalie M. Bumbalough, Columbus
 Edith Olivia Burkhart, Woodsfield
 Michael Edward Burnett, Columbus
 William Charles Busch, Ashland
 Janice L. Cabral, Columbus
 Kirsten Pierrette Campbell, Sandusky
 Sandra Soncrant Cantrell, Orlando, FL
 R. Louis Carloni, Indiana, PA
 Corinne Marie Carmody, Lancaster
 Leonard Eugene Chambers, Duncan Falls
 Bernadette A. Champa, Euclid
 Patricia Mary Cimino, Bedford
 Thomas Wheeler Clark, Kettering
 Anne Elizabeth Cleveland, Middletown
 Ellen Sue Cole, Columbus
 Marcia Ann Collins, Westlake
 David Neil Conner, Xenia
 Linda Marie Cooper, Columbus
 Richard Gary Corbin, Reynoldsburg
 Denis Norman Cox, Canal Winchester
 Karen Kathleen Crawmer, Bexley
 Susan Elaine Crotty, Lucasville
 Lisa Madeline Curran, Worthington
 Merri-Lynn Cushman, Columbus
 Willie Dock Dade, Columbus
 Tom E. Dailey, Jr., Chillicothe
 Luigi Gino Damiani, Jr., Columbus
 Deborah Jean Dandurand, Reynoldsburg
 Gerald Alan Dannemiller, Belden, MS
 Catherine Denise Davis, Columbus
 Elaine Susan Davis, Springfield
 Ronald Edmund Davitt, Wintersville
 Raymond Stevens Day, Cincinnati
 Anne Masters Delcos, Hudson
 Erica Paige Denner, Granville
 Sharon Ann Dillon, Troy, NY
 Rachel Dobres, Mayfield Heights
 Samuel Thomson Dodd, Newark
 Douglas Max Donley, Cambridge
 Tracy Leigh Dunderard, Sugar Grove
 Betsy Ann Duberstein, Dayton
 Hillary Ann Dubin, University Heights
 Jerry Lee Dunkle, Kettering
 Rebecca Lynn Eiseit, Bexley
 William Timothy Elmhurst, Calgary,
 Alberta, Canada
 Kimberly Ann Farey, Canton
 Charles Elwood Febus, Hamilton
 Howard Joseph Fellman, Pepper Pike
 Sandra Kay Felton, Jamestown, NY
 Scott Alan Fisher, Wapakoneta
 Jeffrey Scott Flaherty, Crestline
 Mary Beth Foley, Westerville
 David Adam Fonfa, New York, NY
 Kurt John Forster, Brecksville
 Elizabeth Ann Foster, Columbus
 Sandra Kay Fox, Fostoria
 Karen Lynn Frank, Vienna, WV
 Colleen Beth Frazier, Delaware
 Patrick Carl Friel, Chardon
 Larry Leo Fritz II, New London
 Adrienne Yolanda Fullard, Queens, NY

Sandra Louise Gabriel, Upper Arlington
 Lawrence Joseph Gaietto, Lima
 Kelly Ann Gainer, Columbus
 Gwenn Marie Gallenstein, Cincinnati
 Michael David Gardner, Bellville
 Wesley John Gasper, Alexandria, VA
 Carl William Geis, North Canton
 Scott Porter Gertz, Findlay
 Rhonda Rae Gilbert, Crestline
 James Lee Gillispie, Cedarville
 Michael Edward Gimbrone,
 Salamanca, NY
 Robert Edward Golias, Munroe Falls
 Robin Stacy Gordon, Dorset
 Shashi B. Gowda, Cleveland
 Joseph Cox Granzier, Cleveland
 Kelley Lynn Gregg, Centerville
 Harry W. Griebing, Lexington
 Mark Scott Griffiths, Wayne, PA
 Jeff Charles Grossman, Shaker Heights
 Shari Ilise Gutter, Columbus
 Jennifer Stuart Guy, Columbus
 Jean Patrice Haghiri, Wooster
 Julia Rose Hamilton, Beavercreek
 William Scott Harlow, Bryan
 Christine Anne Harrison, Yardley, PA
 Virginia Kay Harrison, Millersport
 Elizabeth Hilty Hartung, Canton
 Andrea Hazzard, Mentor
 Eric Edward Heckelman, Granville
 Jennifer Lynn Heitmeyer, Delphos
 Keith Alan Hendricks, Vanlue
 William Leroy Henry, London
 Larzell Mark Hensley, Columbus
 Scott Brian Herman, Beachwood
 Steven Keith Hess, Columbus
 James Daniel Hieck, Columbus
 Calvin Joseph Higgins, Jr., Gahanna
 Monica Rose Higgins, Columbus
 Angela Gamble Hill, Westerville
 Philip David Hishnay, Parma
 Patrick Joseph Holbrook, Columbus
 Christine Marie Holderbaum, Wooster
 Karl Philipp Hubner, Oak Ridge, TN
 Linda Ellen Hurwitz, South Euclid
 Amy Jo Anne Jackson, Warren
 Mark Edward Jameson, Grove City
 Patricia Ann Jaskari, Wintersville
 Lori Jean Jeffers, Cincinnati
 Anna Lisa Jenkins, Lucasville
 Robert Stephen Johnson, Montgomery
 Theodore Reed Jordan, Columbus
 Jane Marie Kagy, Findlay
 Joseph Brian Kaiser, Columbus
 Matthew John Kaminski, Worthington
 Rosanne Beth Kaplan, Lima
 Patricia Anne Kasmarek, Hinckley
 Kenneth Ernest Keener, Upper Arlington
 Sarah Newland Kelley, Wellsville, NY
 Elizabeth Marie Kelly, Upper Arlington
 Kevin Jon Kemelhar, Mayfield Heights
 Jeffrey Thomas Kenney, Cincinnati
 Eugene Francis Kerekes II, Columbus
 Jocelyn Lita King, Asheville, NC
 Joan Margaret Kinsel, Maumee
 Thomas Jeffrey Klaus, Centerville
 Gregory Joseph Klosek, Dublin
 Teresa Jane Kolk, Pataskala
 Matthew Thomas Korkate, Lima

Robert Joseph Krammes, Cincinnati
 Cheryl Layne Kumerow, Barrington Hills, IL
 Catharine Lammers, Akron
 Mark Charles Lampe, Columbus
 Thomas Charles Lasik, Cleveland
 Barbara Lynn Lattimore, Middletown
 Barry Winston DaCosta Lawrence, Brooklyn, NY
 Kimberly Sue Levine, Orange
 Christopher Jon Lewie, Columbus
 Amy Dee Leyland, Cincinnati
 Kristin Grace Lieser, Upper Arlington
 Gregory Karl Lind, Springfield
 Ernest Grant Lindsey II, Circleville
 Jennifer Kay Lochard, Pickerington
 Elizabeth Ann Magri, Chardon
 Frank Braun Malone, Sylvania
 Michele Sharlene Marian, Youngstown
 Ramona Lisa Marusa, Berea
 Breck Kerr McCracken, Bellefontaine
 Terrence Joseph McDonald, Newark
 Debbie Eyvonne McGhee, Columbus
 Edward Thomas McGlynn, Worthington
 Lelia McKeenan, Cincinnati
 Kelly Ann McKimmy, Toledo
 Jeffrey Scott Mead, Beavercreek
 Trudy Lorraine Mentzer, Clifton
 Carol Anne Mercer, Columbus
 Judith Marianne Michael, Toledo
 Joseph Ross Milan, Mentor
 Constance Faith Miller, Columbus
 Ruth Louise Miller, Worthington
 Jennifer Susan Mills, Chagrin Falls
 Thomas Moghaddam, Hicksville
 Debra Sue Monroe, Marion
 Derek Edward Montgomery, Toronto
 Michael Roger Moore, Parma
 Dawn Ranae Morey, Mt. Vernon
 Edward Donald Murray, Lorain
 Edward Joseph Murray, Cleveland
 Patricia Anne Murray, Sayreville, NJ
 Robert C. Murray, Jr., Akron
 Jan Alan Neiger, Dover
 Mary Jo Ellen Nesbitt, Middletown
 Lori Marie Newman, Hillsboro
 Hong Anh Nguyen, Wooster
 Stephen Randall Nolen, Johnsville
 Rosemarie November, Cortland
 Gary L. Nuzzi, Warren
 Muge Adviyе Oktener, Columbus
 Gerardo Clement Orlando, Lorain
 Sally Jo Palm, Hebron
 Adrienne Lisa Palmer, Shelby
 Susan Marie Panasiak, Fairview Park
 Cathy Ann Pavlov, Hubbard
 David Robert Payne, Johnstown
 Kimberly Sue Perkins, Cincinnati
 Marty Jo Peterson, Piqua
 Arvids Valdis Petersons, Dayton
 Susan Sheryl Petro, Columbus
 David Andrew Pfarrer, Kettering
 Mark William Pfister, Columbus
 Julia Christman Phillips, Shaker Heights
 James Christopher Picolo, Springfield
 Jeremy Bruce Pink, Bexley
 Helen Pla, University Heights
 Patrick Shannon Plikerd, Lakeview
 Stuart Randall Portman, Akron

Sandra Dee Preston, Columbus
 Marilyn Primovic, Bridgeport
 Brian Louis Prose, McDermott
 John Williams Pruden, Cincinnati
 Jill Renee Pupa, Beachwood
 Renee Diane Rakay, Columbus
 Carol Elaine Randall, North Ridgeville
 Donald C. Recker, Kalida
 Rodger Lee Redd, Akron
 Richard Raymond Reed, Columbus
 Christina Ann Regule, Masury
 Anne Bailey Reynolds, Akron
 George Richard Rice, Westerville
 Adina Renée Rich, Columbus
 Ana Stephanie Riddel, Huntington, WV
 Ann Marie Riley, Lakewood
 Barbara Marcile Rinard, Columbus
 Diane Elizabeth Robinson, Columbus
 Debra S. Roelle, Columbus
 Linda T. Rogers, Columbus
 Robert Ronald Romaker, Criderstown
 Sean Padraic Rooney, Columbus
 Gia Patryce Ross, Atlanta, GA
 Jill Elizabeth Ross, Lancaster
 Laura Marie Ross, Columbus
 Robert Lowe Ross, West Lafayette, IN
 Sara R. Rubin, Columbus
 Scott Andrew Rumizen, Buffalo, NY
 Michael Roy Ryso, Libertyville, IL
 Michael Edward Sacksteder, Vandalia
 Jeffrey Neil Sakol, Columbus
 Michele Faye Salomon, Pittsburgh, PA
 David Nicholas Sauer, Bexley
 Tina Marie Schafer, Lorain
 Sherie Marie Schmidt, Elyria
 Jody Lynne Schneiderman, Cincinnati
 Lynn Kristine Schnell, Massillon
 Richard Carl Schoenestein, Columbus
 Jodi Lynn Schreibman, Cleveland
 Amy Elizabeth Schueler, Dayton
 Karen Lynn Scott, Chagrin Falls
 Angela Marie Selley, Dublin
 Richard Scott Seomin, Cincinnati
 Frederick A. Seward, Newark
 Sharon Kay Shaeffer, Upper Arlington
 Shelley Lee Shallenberger, Lorain
 Lawana Renee Shipley, Philadelphia, PA
 Benjamin Allen Shows, Ashland
 Edwin Charles Shuttleworth III, Columbus
 Mark Stephen Silbaugh, Columbus
 Laszlo Francis Simonyi, Lakewood
 Betsy Sue Singer, Canton
 David Lane Smith, Chillicothe
 Gregory Carter Smith, Strassburg
 Gretchen Elizabeth Smith, Findlay
 Kristin Lynn Smith, Columbus
 Lisa Blankenship Smith, Marion
 Raymond Hagerman Smith, Jr., Denver, CO
 Scott Ritchie Smith, Agawam, MA
 Paul John Smolarchuk, Middleburg Heights
 Erik Matthew Speicher, Worthington
 James Robert Stanko, Brunswick
 Garlene Staton, Springboro
 Angela Jane Steiner, Marion
 Steven Evan Steinhart, Columbus
 Alice K. Strawser, Circleville

Katerina Sophia Taiganides, Singapore
 Daniel Casey Talbott, Toledo
 Kelly Lenore Taylor, Xenia
 William S. Thomas, Dayton
 Sara Ruth Thompson, Wilmington
 Tyler Alan Thorp, Montpelier
 Nancy Anne Tibbitts, Marion
 Michael John Tomczak, Frankfort, IL
 Henry Bernard Torn, University Heights
 Cheryl L. Trcka, Hinckley
 James Todd Trippett, Columbus
 Christine Leota Trummer, Akron
 Douglas Rauf Trvon, Akron
 Robert Allen Van Epps, Strasburg
 Randall Dean Vaughan, Mantua
 Lisa Marie Vinciguerra, North Olmsted
 Karla Jean Viney, Columbus
 William Francis Von Almen, Cincinnati
 John Von Gruenigen, Worthington
 Karl Anthony Von Hugel, Cincinnati
 Craig Joseph Vretas, Canton
 Patrick Joseph Wade, Newark
 Cyndra Sue Wagner, Columbus
 Konnie Marie Wallen, Westchester
 Elizabeth Jean Waters, Columbus
 Michael Harding Weatherhead, Shaker Heights
 Charles Richard Weinman, Kettering
 Todd David Weintraub, Lima
 William D. Welch, Marion
 Norman Dale Welsh, Marysville
 Libby Westerhausen, Findlay
 Lisa Carol White, Eaton
 Scott Steven William Whitney, Parma
 Tracy LeeAnn Wilham, Trenton
 John Mark Williams, Cincinnati
 Kristi Renée Wilson, Ashland
 Lisa Ann Wilson, Celina
 Kevin Edward Wilush, Greenford
 David Edward Woodbury, Jr., Springfield, VA
 Alison May Woods, Wooster
 Kimberly Ann Woodyard, Granville
 Eric Michael Wylie, Grove City
 Kimberly Nadene Zedaker, Canfield
 Joy Ann Zimmer, Timberlake
 Katherine Maria Zittel, Latham, NY

Bachelor of Science

Todd Keith Baldwin, Montgomery
 Paul Michael Bellini, Cleveland
 Ronald Joseph Brickner, Fostoria
 John Bradley Britton, Tallmadge
 Gregory Joseph Buzek, Cincinnati
 Monica Mary Cahill, Akron
 Terry Lee Correll, Grafton
 Thomas Edward Davis, Columbus
 Marie Grace Nalupta Dichoso, Lodi
 David John Dietz, Lima
 Melvin Wayne Engle, Marysville
 Roy Henry Fish, Columbus
 Marjorie Lynn Funk, Columbus
 Caroline Mary Gentile, Norwalk
 Tammara Louise Graves, Wakeman
 Janis McBride Gustafson, Poland
 Wayne Spencer Hall, Shaker Heights
 Sharon Lynn Hewes, Columbus

Laena Marie Karnstedt, Columbus
 Peggy Sue Kirk, Columbus
 Katherine Wun-Yee Lai, Hong Kong
 Janet Marie Larkins, Euclid
 Moigan Lawson, Tehran, Iran
 David Bryan Lepre, Parma
 Robert Joseph Lowes, Mentor
 Lori Michelle Maier, Columbus
 Constance Susan Manos, Lodi
 Vance Marshall, Painesville
 Katherine Renea Meseroll, Monroe
 Janalee Annette Milligan, Coshocton
 Jacqueline Ann Nemer, Stow
 Annette Therese O'Malley, Westlake
 Charles Andrew Palmer, Columbus
 Amy Sue Park, Maple Heights
 Honesto Vitug Ramirez, Port
 Charlotte, FL
 Paula Sue Reak, Lockport
 Julie Marie Ricker, Defiance
 Susan Joy Riga, Mayfield Heights
 Michael Alan Riley, Columbus
 Ronald Richard Ross, Upper Arlington
 Christine Marie Sandor, Orient
 John Scott Seibert, Richmond Heights
 Diane K. Share, Mallard, IA
 Marnie Susan Smith, Boardman
 James D. Snell, West Carrollton
 Scott David Spera, Bay Village
 Jeffrey Haines Sweet, Worthington
 Donald Alan Theodos, New Albany
 Maureen Ellen Tock, Niles
 Elizabeth Sylvia Walker, Prospect
 Harbor, ME
 Ronald Elias Warwar, Dayton
 Victoria Sue Yang, Cincinnati

School of Journalism

Bachelor of Arts in Journalism

Stasia Ann Altomare, Grove City
 Ronald Alan Apelt, Cleveland
 Colleen Marie Benecke, Bellville
 Stacey Ellen Berg, Sylvania
 Robert David Bergamesca, Upper
 Arlington
 Denise Ann Bigler, Sycamore
 Angela Delight Blessing, Columbus
 Kelli Lynn Blevins, Columbus
 Michele Therese Blonchek, Middleburg
 Heights
 Jodi Ann Blum, Brookville
 Karen Lynn Bockhorst, Cincinnati
 Ronna Lynn Bogart, Cleveland
 Jennifer Jo Boyer, Pickerington
 Matthew Paul Bretscher, Valparaiso, IN
 Portia Lee Brown, Smithfield
 Jim K. Bubutier, Whitehall
 Shelley Jo Burger, Newark
 Stephanie Lynn Carioti, North Canton
 Beth Cleo Castrodale, Westerville
 Pamela Frances Clay, Dayton
 Eleanor Melissa Cole, Strongsville
 Cherise Renee Coleman, Worthington
 Brian Jeffrey Comer, Lorain
 Richard Alan Crofton, Bellaire

Patricia J. Cuprik, Columbus
 Marianne Fredericks Daley, Centerville
 Mary Elizabeth Delahunt, Westerville
 Mary Bridget Donahue, Loveland
 Dale Richard Emch, Sylvania
 Diane Marie Entsminger, Columbus
 Terri Lynn Farrell, Vienna, WV
 Eugene Philip Farris, Cleveland
 Kristi Renee Ferguson, Trenton
 Frederick Lewis Ferris, Columbus
 Tonya Jane Flory, Newark
 Richard Kenji Fujita, Westlake
 Darla Joan Geisler, Dayton
 Amy Lynn Gersh, Dayton
 Laurie Ann Gillaugh, Dayton
 Kathleen Ann Gruber, Upper Arlington
 Michael John Hagedorn, Vestal
 Deanna Lyne Hankins, Oberlin
 Sally Anne Hartman, Strongsville
 Eric Edward Heckelman, Greenville
 Margaret Lewis Marshall Hermant,
 Toronto, Ontario, Canada
 Kristen Kay Hill, Toledo
 Todd Hill, Dublin
 Molly Sue Huggins, Columbus
 Daniel Joseph Hughes, Grove City
 JoAnn Elizabeth Iven, Elida
 Laurie Lynn Jamieson, Brookfield
 Mary Josephine Jones, Chillicothe
 Lisa Mary Kempter, Broadview Heights
 Teddi Renee Korn, Jackson Center
 Laura Jean Kuskowski, Columbus
 Stacey Jo Kuvin, Cleveland
 Tracey June Lancione, Bellaire
 Beng Beng Lee, Republic of Singapore
 Cynthia Marie Legg, Columbus
 Lisa Ann Leland, Loudonville
 Kelly Allyce Lewis, Milford
 John Christian Lobinger, Medina
 Tanya Marie Madison, Columbus
 Martin John Malley, Columbus
 Elizabeth Diane McBride, Columbus
 Melissa Marie McCoy, Fairfield
 Janet Marie Modic, Richmond Heights
 Joseph Craig Mohre, Edon
 Denise Lynn Morrison, Newton Falls
 Gary Alan Motz, Powell
 Edward Joseph Murray, Cleveland
 Sherry Lynn Newkirk, Wellington
 Maryellen O'Shaughnessy, Columbus
 Katharine Markella Paradissis, Amherst
 Robert Lee Payne, Columbus
 Amy Louise Powell, Columbus
 DeAnne Marie Pubal, Broadview Heights
 Larry Todd Radford, Columbus
 Edward John Richter, Cincinnati
 Polly Jo Ritchie, Salem
 Sharon Sue Roche, Columbus
 Jennifer Lynn Rondeau, Brecksville
 Melissa Kaye Stoelting, Forest Park
 Susan Elaine Sunderland, Reynoldsburg
 Kevin David Tigrett, Columbus
 Michelle Marie Vesely, Massillon
 Wendy Sue Wallace, Columbus
 Beth Ann Walls-Forte, Grove City
 Deborah Anne Weiner, Shaker Heights
 Gary Lynn Weller, Worthington
 Julia Marie Wermert, Coldwater
 Tara Evette White, Cincinnati

David Arthur Wilson, Columbus
 Michael Young, Columbus

College of Agriculture

Dean: Frederick E. Hutchinson

Bachelor of Science in Agriculture

Bruce Robert Acord, Medina
 Denise Wiles Adams, Lithopolis
 David Neal Agin, Columbus
 Anjeanette Albright, Greenville
 Page Rene Albright, Monclova
 William Frederick Allard, Arlington
 Mark Allen Badertscher, Mt. Cory
 Christopher Paul Baker, Burghill
 Clinton J. Beardsley, Jr., Columbus
 Amos Isaac Bechtel III, Columbiana
 Brian Carl Beck, Galion
 David Shawn Beckwith, Keeseville, NY
 Broc Adam Bidlack, Grover Hill
 Shari Lee Blackstone, Columbus
 Virginia LeeAnne Breisinger, Hicksville
 Kristina Jacobson Bridgman, London
 Gene Edward Core, Rushsylvania
 Thomas Adam de Jolsvay, Columbus
 Daryl Davis Dempsey, Oak Hill
 Susan Ann Diczhazy, Chagrin Falls
 Paula Ann DiMedio, Haddonfield, NJ
 Michael David Downey, Columbus
 Deanna Lee Duche, Columbus
 Patricia Jo Dudash, Avon Lake
 Matthew Thomas Eggers, Napoleon
 William Paul Eisel, Columbus
 David Frederick Erf, Bellevue
 Glen Alvan Etter, Bradford
 Lisa Rachelle Everman, Columbus
 Steven John Farmer, Pemberville
 Edward Allen Feasel, Tiffin
 David Michael Fehlman, Wellington
 Marilan Marie Firestone, Columbus
 Kelly Ann Flaherty, Beaver Creek
 Timothy James Florman, Lyndhurst
 Michael Allen Frump, Hillsboro
 Rebecca Marie Gibbs, Fremont
 Jeffrey Alan Glanville, Ironton
 David Eric Grum, Belmont
 Dennis Patrick Grusenmeyer, Dayton
 Hardon Glenn Hale, Galena
 John Edward Hall, Englewood
 Marcia Lee Hall, Perry
 Catherine E. Harrington, Brecksville
 Glenn William Harsh, Delaware
 James Edward Hegfield, Painesville
 John Douglas Heilman, Kenton
 Dirk Matthew Heisel, New Bloomington
 James Hunter Hobbs II, Bloomington
 Donna Mae Hoffman, Archbold
 Michael James Holt, Wellington
 Michael Ashley Hoover, Millersport
 Phillip Edward Hoover, Bucyrus
 Beth Ann Hudock, Highland Heights

Clark Stephen Hutson, London
 Thomas Edward Jackson, Camden
 Richard Douglas Jarvis, Salem
 Robert Lee Johnson, Fredericktown
 Jill Ann Jordan, New Paris
 Sara Louise Junkin, Beavercreek
 Patrick John Kahle, Spencerville
 Kennon Lee Keckler, Risingsun
 Thomas Wayne Keller, Napoleon
 Edward C. Kennedy III, Fremont
 Bruce Richard Kettler, Anna
 Lisa Rae Knapp, Castalia
 Timothy Patrick Knight, Sherman, NY
 Lynn Marie Kochevar, Parma
 Charles David Kohstall, New Paris
 Nicholas James Kohut, Columbus
 David John Kraushar, Cincinnati
 Dean Allen Kreaiger, Greenwich
 Ned John Kreinbrink, Leipsic
 Laura Ann Kresty, Medina
 Michael Eugene Larson, Galloway
 Michael Daun Lawson, Carrollton
 Cynthia Louise Maro, Columbus
 John David Mathews, Columbus
 Todd Charles McCartney, Maumee
 Patrick John McGuigan, South Euclid
 Daniel Brent Meeder, Sherman, NY
 Craig Elroy Meranda, Georgetown
 Scott David Mills, Sandusky
 Ronald William Moore, Canton
 Brian William Moran, Medina
 Angela Sue Motter, Ashland
 Timothy Scott Norden, Hilliard
 Warren Ben Nothnick, Franklinville, NJ
 Nathaniel Hunt Nunn, Sunbury
 Bruce C. Paul, Massillon
 David Lee Pendleton, Springfield
 Carol Sue Philbrook, Cardington
 Thomas Haigh Phillips, Columbus
 Janet Chandler Pickford, Fredericktown
 William Ray Pittenger, Tipp City
 Lisa Marie Pond, Sunbury
 Bradford C. Remington, Shaker Heights
 Theresa Marie Rhyner, Avon Lake
 Kevin Dennis Ricker, Fort Jennings
 Todd Ralph Ricker, Columbus Grove
 Stephen Eyring Rieske, Ostrander
 Ted Robert Riethman, Minster
 Mark Alan Roeth, Piqua
 Steven Alan Ronshausen, Circleville
 Michael Victor Ruggiero, Columbus
 Sharon Kay Ruggles, Norwalk
 Craig Allen Schafer, Sycamore
 Michael Kevin Schenk, Toledo
 Christopher Ellis Schiefer, Bucyrus
 Douglas Jay Schilling, Upper Sandusky
 Michael Ralph Schroeder, Columbus
 Grove
 Barry Thomas Serafin, Ravenna
 Lynn Kay Settlemyre, Clarksville
 Emily Shepard, Washington Court House
 John David Shepard, Washington Court
 House
 Douglas Ray Shisler, North Lawrence
 Paul David Siciliano, Burton
 David Karl Simmons, Utica
 Mark Edwin Smith, Bellefontaine
 Lloyd Arthur Snyder, Wooster
 Richard Keith Spehar, Port Clinton

Carol Ann Sray, Willowick
 Sandra Lynn Stalder, Sardis
 Terry Alan Taylor, Richwood
 Donald William Tom, Chandlersville
 Douglas Alan Topp, Mechanicsburg
 Gregg M. Topp, New Bremen
 Lisa K. Tucker, Duncan Falls
 Gerke Hielke van der Zwaag, Den Ham,
 Ov, The Netherlands
 Bradley Charles Van Voorhis,
 Waynesburg
 Charles Thomas Wagner, Edison
 Lorie Ann Walker, Aurora
 Donald Anthony Wampler, Bellbrook
 Timothy Joe Weaver, Weston
 Gregory Allen Webb, Van Wert
 David Leroy Weygandt, Columbus
 Gary Michael Williams, Reynoldsburg
 Fred Joseph Wright, Independence
 Rhonda Sue Yockey, Columbus
 Robert Karl Young, Columbus
 Kerry J. Yount, West Manchester
 Jeffrey Wade Zellers, Hartsville
 Betsy Romaine Zimmerman, Radnor

Connie Sue Legg, Columbus
 Suzanne Mary Loosbrock, Michigan
 David Scott MacDonald, Columbus
 Marcus Marek, Masury
 Tracey Alan Martin, Greenville
 Susan Hannah McBean, Parma
 Mark Howard Mohr, Sherwood
 Mark Richard Otten, Cincinnati
 Randy Alan Perlakowski, Baden, PA
 Laurie Lou Peters, Alliance
 Thomas Arthur Pompeii, Rocky River
 Diana Lee Rogers, Beavercreek
 Mary Beth Rothenbuhler, Cincinnati
 William Urso, Jr., Wickliffe
 Sherry Ann White, Brunswick
 Steven Norman Whitney, Greenfield
 Center, NY
 Christopher Todd Yoder, New
 Philadelphia

Agricultural Technical Institute – Wooster

Bachelor of Science in Food Science

Jennifer Marie Barber, Defiance
 David Vaughn Foster, Peebles
 Cynthia Sue Neal, Zanesville
 Bill Michael Owen, Mansfield
 Barbara Ann Rice, Columbus
 Jeanne Marie Soehnlén, Canton

Bachelor of Science in Food Technology

Tina Maria Knisley, Wilmington
 Melissa Ann McCage, Dublin
 Laura Gail Thomas, Cambridge

School of Natural Resources

Bachelor of Science in Natural Resources

Nancy Lynne Applegate, Columbus
 Paul Richard Baker II, Woodsfield
 Lisa Lynn Barber, Grandview Heights
 Charles Edwin Bebout, Utica
 Andrew Paul Biggert, Columbus
 Candace Sue Boardman, Sylvania
 Anthony Gerard Breslin, Dayton
 Kimberly Dawn Bujold, Columbus
 Anthony George Crommes, Troy
 Jeff Alan Drebus, Kirtland
 Anthony Lawrence Gareau, Cleveland
 Lawrence R. Habig, Shadyside
 Lance Dion Heyman, Upper Sandusky
 Mark Joseph Humpert, Delphos
 Ann Marie Jankowski, Garfield Heights
 David Lawrence Kelley, Wellston
 Jeffrey Scott Kochheiser, Mansfield
 Sandra Ann Kuntz, Cincinnati

Associate in Applied Science

Debra Noel Abbott, Hillsboro
 Neil Paul Badenhop, Wauseon
 Kevin Dean Barnard, Columbia Station
 Henning Nordan Bjerre, Shreve
 Jeffrey Alan Blayz, Swanton
 Jennifer Ann Brinkman, Arlington
 Harry Edward Cadman, Jr., Wooster
 Kevin Douglas Carmean, Dayton
 Andrew Lee Clady, Malinta
 David S. Cole, Avon Lake
 John Fredrick Connor, Toledo
 Paul Neal Courtright, Willard
 Andrew John Coz, Ravenna
 Michelle Lee Crabb, North Lawrence
 Gary Lee Davenport, Jr., Fremont
 Scott Arthur Davidson, Chagrin Falls
 Stephen Allen Davis, Sidney
 Jeffrey Scott Deeble, North Fairfield
 Randy Lee Delposen, East Liverpool
 David Robert Downs, Jr., Brookville
 Brian Scott Eberly, North Lawrence
 Denise Dyan Ely, Sugar Creek
 Gary Lane Fenton, Newcomertown
 Kathi Ann Fisher, Wooster
 Colleen Joy Fobes, Geneva
 Lamar Scott Grieser, Jenera
 Darlene Marie Gronski, Maple Heights
 Kristin Sue Grube, Johnstown
 Bryan Lawrence Hawkins, Jefferson
 Leonard John Heim III, Kirtland
 David Thomas Hineline, Akron
 William Houson Houston, Morrow
 Arthur Lloyd Johnson, Jr., Chardon
 Dale Howard Kunze, Edison
 Douglas Edward Lehman, Dalton
 Kevin R. McClellan, Edgerton
 Kevin Ray McCoy, Coshocton
 Wayne Edward McDonough, Milford
 Trevor Jay Meek, Cosvenille
 Harold John Meldick, Jr., Oak Hill
 Michele Marie Menegay, Sterling

Michael Louis Morelli, Alliance
 Jeffrey Todd Murdock, Wakeman
 Todd Allen Mutti, New Philadelphia
 Daniel James Nagy, Chardon
 Thomas Edgar Noyes II, Wooster
 Thomas Floyd Paul II, Wintersville
 Ismay Priscilla Persaud, Wooster
 Mark Edward Phillips II, Bryan
 Annette Marie Ragone, Sylvania
 Lori Anne Ramm, Toledo
 Jerold Lee Red, Wooster
 Edgar Lee Reebel, La Rue
 Jeffrey Lee Rife, Clyde
 Domenick Sansalone, Jr., Perry
 Robert David Serrone, Wooster
 Jeffrey Lyle Shaffstall, Akron
 Valerie Jill Shuler, Marysville
 Brian Scott Simon, Canton
 Russell A. Simpson, Springfield
 Brian Harold Snavely, Republic
 Jeffrey David Thompson, Xenia
 Marci Ann Tingler, Steubenville
 James Allison Van Dyne, Jr., Cambridge
 Michael James Vantuyl, Akron
 Luke Airen Wadsworth, Conneaut
 Allen D. Weaver, Johnstown
 Tobin Dean White, Ashland
 James Curtis Williams, Springfield
 Robert John Wilson, Dunkirk
 Jodi Lynn Yothers, Akron
 Daniel Karl Zeuch, Bay Village

College of Business

Dean: H. Justin Davidson

Bachelor of Science in Business Administration

Neal Arthur Abramson, Bethesda, MD
 Robert J. Acquista, Reynoldsburg
 Richard Elliott Adler, Jr., Columbus
 Jeffrey Lee Admonius, Alliance
 Nadia Ala-U-Dini, Worthington
 Holly Renee Alexander, Englewood
 David H. Alger, Cleveland
 Christine Marie Allen, Columbia Township
 Craig Eugene Allen, Coshocton
 Edward Francis Allen, Beaver Creek
 Michael Allen Alltop, New Straitsville
 Anne Marie Alter, North Olmsted
 Anne Marie Amico, Columbus
 Jeffrey Allen Anderson, Columbus
 Leon Robert Anderson III, Beachwood
 Marilyn Louise Anderson, Granville
 Regina M. Anderson, Coshocton
 Thomas B. Andrews VI, Dayton
 Michele M. Antonelli, Warren
 Donald R. Archer, Granville
 Donald Allen Argento, Centerburg
 Soterios Theodore Argeropoulos, Kettering
 Robert Michael Ashcroft, Strongsville
 Randall John Asmo, Columbus
 Bryan Joe Austin, Franklin
 Deborah Anne Bachman, Cleveland
 Eric John Bahr, Amherst, NH

David Andrew Bailey, Portsmouth
 Robert T. Bair, Columbus
 Michael Alan Baird, Marysville
 Jill Suzanne Baker, Pataskala
 Mitchell A. Baker, Long Island, NY
 Kenneth Edward Balog, Youngstown
 Brian Paul Bandi, Canton
 Catherine Ann Bannister, Beaver Creek
 Erin Maria Barks, Westerville
 Andrew J. Basista, Warren
 Michelle Louise Bast, Akron
 Kim M. Batsch, Cincinnati
 Jonathan Lewis Bayer, Columbus
 Bethany Suzanne Beardsley, Toledo
 Warren Alfred Bebinger, Upper Arlington
 Christopher Coleman Beem, Glen Mills, PA
 Jonathan Beeman, Canfield
 Michael Joseph Bellisari, Columbus
 Robert Jon Benjamin, Beachwood
 Geoffrey B. Bennett, Westerville
 Carolyn Denise Berkley, Columbus
 Daniel Edward Best, Chagrin Falls
 Elizabeth Anne Bjorn, Hudson
 James R. Blamble, Columbus
 Steven Mark Blaugrund, Shaker Heights
 Karl Norbert Blessing, Youngstown
 Suzette Renea Blosser, Lancaster
 Nancy Marie Blozis, Columbus
 Karen Lynn Boeckley, Cincinnati
 Trent Thomas Bojansky, Middleburg Heights
 Julie Ann Bolender, Norton
 Kyle Stephen Bowie, Westerville
 Janine Louise Bowen, Westerville
 Jeff Alan Bowling, Edon
 Kimberly Kay Boydoh, Granville
 Susan Judith Brainard, Fairborn
 James Branham, Jr., Clyde
 Timothy Michael Bresnahan, Powell
 Melissa Ann Bressler, Mansfield
 Thomas Patrick Britton, Bay Village
 Joseph F. Brodzinski, Jr., Parma Heights
 Suzanne Brogno, Stevensville, MI
 Kathleen Diane Brown, Akron
 William J. Brown, Euclid
 David G. Buehler, Oak Harbor
 Lisa Marie Buettner, Canal Winchester
 Raleigh Cathryn Burges, Columbus
 Jeffrey S. Buroker, Columbus
 Kathleen Ann Bush, Columbus
 Leanne Marie Byrd, Wooster
 Kristin Ann Calich, Uniontown
 Kevin Thomas Callahan, Pickerington
 Floyd Patrick Campbell III, Columbus
 Scott Edward Capretta, Columbus
 Steven Russell Carr, Fremont
 Lisa Ann Carney, Cincinnati
 Todd Andrew Carpenter, Columbus
 Teresa Lynne Carr, Columbus
 Linda L. Case, Point Pleasant, WV
 Thomas Wayne Cefalu, Cincinnati
 Diane Marie Cerny, Dublin
 Henry William Chamberlain, Vermilion
 Scott Bruce Chapman, Akron
 Yueh Leng Cheam, Port Klang, Selangor, Malaysia
 Michele Ann Cheuvront, Columbus
 Frank Cliona, Jr., Waynesburg

Jody Fitz Clark, Canton
 Julie Clark, Westerville
 John Christopher Cleary, Medina
 Albert Paul Cliffl III, Wadsworth
 Nancy Ann Clinton, Campbell
 Robert Brian Cohen, Kent
 Gary David Colangelo, Mansfield
 Brian Paul Cole, Belpre
 Mark Stephen Collins, Columbus
 Jeffrey Jay Combs, Middletown
 Stephen Richard Conkel, Columbus
 Christine Ann Conley, Lima
 Shaun M. Conover, Beaver Creek
 Rhonda Leigh Copeland, Waverly
 Semhan Ahmet Çorapçı, Istanbul, Turkey
 Robert Baxter Cory, Bucyrus
 DeEtta Jean Crawford, Avon Lake
 Kathleen Rita Crawford, Columbus
 Carrie Cristea, Canton
 David Brent Crowner, Westerville
 Mathew John Crumbley, Clinton
 Barbara Krajchir Cuiulik, Columbus
 Diane Elizabeth Cunningham, Cuyahoga Falls
 Lisa Maria Cunningham, Westfield, NJ
 Teresa Lynn Currin, Cincinnati
 Sami Aref Daher, Lyndhurst
 Jennifer D'Amico, Wayne, NJ
 Michael Allen Daniel II, Tiffin
 James P. Darr, Fremont
 André Peter Das, Gahanna
 Jeffrey Allen Daugherty, Columbus
 Yael Davidovitch, Cherry Hill, NJ
 Ross E. Davidson, Jr., Orrville
 Darci Diane Davis, Westerville
 Sharon Joan Davis, Bay Village
 Lori Marie Dean, Lordstown
 Jeffrey Michael DeCocker, Canton
 Greg Rayne Arnold DeGraw, Columbus
 David L. DeMoss, Covington
 Debra Ann Derringer, Centerville
 Carolyn Marie DeSantis, Canton
 John Michael Detzel, Dayton
 Ronald Steven Dewey, Cincinnati
 Jill Bonnie Diamond, Hazlet, NJ
 Bryan Keith Dixon, Westerville
 Stephanie S. Dixon, Millersport
 Michele Therese Doheny, Bay Village
 Robin Beth Dolin, Toledo
 Julie A. Donatelli, Akron
 Christopher Edward Donohue, Lancaster
 Christine Lynn Dreps, Toledo
 Nancy Reeb Driggs, Columbus
 Brad John Dubos, Columbus
 William Earl Dun, Columbus
 Gregory A. Duncan, Jackson
 Jeffrey E. Dye, Columbus
 Scott P. Eakins, St. Clairsville
 Barbara Lea Earnheart, Pataskala
 Steven Peter Eastwood, Upper Arlington
 Tina L. Eckstein, Galion
 Sandra Jean Edgar, Powell
 Rebecca Ann Eger, Dublin
 Shelley Jean Eger, Lloydminster, Saskatchewan, Canada
 Pete R. Eggspuehler, Dublin
 Ronald Eugene Elliott, Wapakoneta
 Holly Ann Elston, Convoy
 Nancy Lee Emery, Worthington

Joseph Walter Enrock, Lorain
 Victor C. Enis, Columbus
 Teresa Jean Ewing, Akron
 Donald Joseph Fasick, Springfield
 Jonathan Douglas Faust, Dayton
 Janice Marie Fazekas, Maple Heights
 Bradley Joseph Fazio, Columbus
 James Ray Fear, Lima
 Brian Lee Fehlan, Wellington
 Vincent Carman Feorene, Niles
 Ronald Alexander Figurella, Canton
 Edwin Thomas Filippini, Jr., Chicago, IL
 David J. Finkelstein, North
 Woodmere, NY
 Kevin Gerard Fisher, Upper Arlington
 Sherry Lynn Fisher, Prospect
 Karen Ann Fitz, Westerville
 John Kennedy Fitzgerald, Parma Heights
 John Michael Fitzmartin, Columbus
 Mary Elizabeth Fitzpatrick, Auburn, NY
 Michael Patrick Flanigan, Cleves
 Brian Keith Flowe, Cincinnati
 Martin Joseph Flowers, Lancaster
 Scott Allan Forsythe, Lincoln, MA
 Thomas Charles Foster, Worthington
 Christopher Nicholas Fountas, Key
 Biscayne, FL
 Elaine Jo Foust, Columbus
 Kathleen L. Fox, Canton
 Donna Louise Francetic, Euclid
 Richard Brooke Frankenberg,
 Worthington
 Ryan Keith Freimark, Centerville
 Todd Adams French, Elida
 Bruce Howard Friedman, Akron
 Daniel Howard Friedman, Evanston, IL
 Kimberly Ann Fugett, Cincinnati
 Thomas Eugene Fulscher, Columbus
 William Joseph Fulton, Hudson
 Tin Yue Fung, Hong Kong, Hong Kong
 Michael Eugene Funk, Columbus
 Shelley Dawn Furniss, Marion
 Theresa Lynn Gabel, Tiffin
 Lynn Frances Galida, Campbell
 Nora Elizabeth Gallagher, Troy
 Douglas Joseph Ganim, Solon
 Matthew Allan Garland, Westlake
 David Richard Garner, Solon
 Douglas Kevin Garrison, Cincinnati
 Brian Reid Gates, Mansfield
 Michael B. Gebbie, Reynoldsburg
 Lisa Ann Geier, Delphos
 Connie Georgas, Lorain
 Scott Donald George, Cincinnati
 Pamela J. Gerdeman, Delphos
 James Robert Gerhart, Delaware
 Joseph Massey Gerwin, Terrace Park
 Lisa Cori Gilbert, Akron
 Kristin Alayne Glass, Columbus
 Lisa Beth Glick, Shaker Heights
 Daniel Fred Goldstein, Beachwood
 Vernon Marc Gordon, Dayton
 Joan Rose Grabnar, Kirtland
 Douglas Richard Graesser, Centerville
 James Robert Graham, Columbus
 Richard D. Greenberg, Toledo
 Deirdre Rhea Grigsby, Huber Heights
 Michelle Ann Grillot, Centerville
 John Paul Grippshover, Scotia, NY

John Andrew Haddow, Columbus
 Linda S. Hageman, Dayton
 Tarek Yousry Hamdy, Columbus
 Laura Jean Hamilton, Sykeston, ND
 Todd Anthony Harlan, Kettering
 Constance Caldwell Harmon, Johnstown
 Dennis Cameron Harrington,
 Worthington
 Todd Andrew Harrop, Zelienople, PA
 Brent Stuart Hart, Coshocton
 Timothy Patrick Hart, Toledo
 Gregory Paul Hartman, Arlington
 Cristina Emily Hatfield, Dayton
 Daniel Ray Hatfield, Columbus
 Debra Lynn Hawk, Mansfield
 Philip Charles Heidkamp, Columbus
 Marianne R. Helf, Greendale, WI
 Jeffrey Alan Herold, Sandusky
 Rosie Marie Herren, Reynoldsburg
 Mark Edward Hertel, Leetonia
 Kathleen Renee Heskett, Granville
 Francis Kenneth Hetterscheldt, Johnstown
 Brian Lee Heyman, Beachwood
 Brian Keith Hicks, Conneaut
 Rodney James Hicks, Tiffin
 Edward Alexander Hillmuth, Vermilion
 Richard Allen Hines, Wapakoneta
 Wade Butler Hinshaw, Crown City
 Thomas Henry Hissong, Akron
 Theodore Michael Hoffman, Warren
 Joseph Michael Hohman, Columbus
 Donald Ray Hollenack, Akron
 Eric Robert Holmes, Columbus
 Christopher James Holt, Worthington
 Samir Homsy, Columbus
 Fiona Jane Horton, Columbus
 Alicia Kay Housler, Delaware
 Doreen M. Hsu, Columbus
 Richard Ray Huckleberry, Columbus
 David Cary Hudson, Columbus
 James M. Hughes, Columbus
 Charles Bradley Humphreyson,
 Westport, CT
 Angela Renee Hundley, Pittsburgh, PA
 Melvin S. Hundley II, New Philadelphia
 Frederick E. Hunt III, Penn Hills, PA
 Varley Carin Hunter, Columbus
 Gayle Celeste Hyslop, Columbus
 Mary Beth Idell, Kettering
 Stephen Anthony Ignasiak, Berea
 John Francis Ireton, Kettering
 Clara I. Isern, Caguas, PR
 Donald Edgar Jander, Columbus
 Scott Andrew Jenkins, Dayton
 Kelly Gene Johnson, Mentor
 Bryan Lee Johnston, Columbus
 Colleen Marie Jones, Dayton
 Cynthia Rae Jones, Wintersville
 Scott Alan Jones, Columbus
 Scott E. Jordan, Cincinnati
 Quentin Jung, Toledo
 Mark Andrew Kaiser, Canton
 John Gust Kalapodis, Clinton
 Jeffrey Scott Kale, Toledo
 Yvonne Marie Kanne, Westerville
 John Eric Kanoski, Columbus
 George Pete Karras, Kettering
 Robert Mark Katz, Baldwin, Long
 Island, NY

Diane E. Kayser, Columbus
 Wendy Michele Kazinec, South Euclid
 Matthew Neil Keitlen, Shaker Heights
 Christopher Thomas Keller, Toledo
 Daniel John Kelley, Avon Lake
 Robert Arthur Kelley, Jr., St. Louis, MO
 Sarah Norwood Kelly, San Diego, CA
 Robert Lee Kenley, Jr., Centerville
 William Robert Kennedy, Upper
 Arlington
 Philip Edward Kent, Cheshire, CT
 Jennifer Lynn Kern, Worthington
 Karl J. Kessler, Powell
 Yusuf Abdi Kheire, Mogadishu, Somalia
 Steven Martin Kiley, Columbus
 Seow Ling Kim, Republic of Singapore
 Dan Joseph King, Westerville
 Nancy Alta Kingsland, Millersburg
 De'Anne Terri Kirkland, Cleveland
 Richard David Klim, Circleville
 Lisa Yvonne Knazek, Mayfield Heights
 Lesa-Rae Kočjan, Niles
 Susan Kay Koflowitch, Huber Heights
 Keith P. Kohler, Aurora
 Jeffrey Thomas Kolda, Columbus
 James John Kozerski, West Chester
 Larry Alan Krammes, Kettering
 Steven Conrad Kraus, Sandusky
 Lisa Antoinette Kristosik, Cleveland
 Jacqueline Ann Kroeger, Sycamore
 Scot David Kruger, Stow
 Randie Marie Kuhn, Columbus
 Denise Marie Kukura, Russell
 Paul Brian Kunce, Cuyahoga Falls
 Joseph Louis Kwasny, Chagrin Falls
 Stephanie Ann Lackritz, Lyndhurst
 Song Wei Lam, Singapore, Republic of
 Singapore
 Dennis Andrew Lane, Columbus
 Michael Brian Lane, Chillicothe
 Keith Trevor Lang, Westlake
 John Douglas Langenbahn, Centerville
 Robert Andrew Lape, Columbus
 Rochelle Lavonne Lash, Akron
 Kristen Marie Lecky, Wadsworth
 Brian David Lee, Columbus
 Lanton Lawrence Lee, Lexington
 Richard Allen Lefton, Cincinnati
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 Joseph Earl Leonhardt, Cincinnati
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 Stacy Michelle Lovelace, Westerville
 James Matthew Loveless, Columbus
 Denise Laura Lucke, Delphos
 Rachel Mary Luehrmann, Cincinnati

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 Laurie Doersam Luft, Columbus
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 Yen Kim Luu, Columbus
 Marcus William Lyons, Newark
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 Douglas Todd MacLean, Columbus
 William Edwin Maginn, Columbus
 Robert Charles Maginnis, Pickerington
 Budd Elliot Malchus, Jr., North Olmsted
 Robert James Maloney, Columbus
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 Joseph P. Martin, Cleveland
 Rhonda Lynn Martin, Shelby
 Scott Vance Martin, West Chester
 Laurie E. Martt, Columbus
 Paul J. Mascazine, Mansfield
 Michele Master, Sylvania
 Eli Matalon, Columbus
 Rachael Marie Matthews, Genoa
 Patricia Marie Matushoneck, Chillicothe
 Daniel Robert Maust, Middleburg Heights
 Lisa K. Maxwell, Worthington
 Richard Michael Mazer, Columbus
 Gregory Laurence McAllister, Cedar Grove, NJ
 Timothy Edwin McCain, Canton
 Michael Charles McCoy, Columbus
 Ronald Louis McDaniel, Columbus
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 Darryl Kenyatta McFarlane, Teaneck, NJ
 Lisa Rose McGovern, Sylvania
 Margaret Ann McLaughlin, Columbus
 Robert Gregg McVicker IV, Cincinnati
 Tracy Lyn McWilliams, Oakwood Village
 Michael Keith Medors, Gahanna
 Lisa Ann Meholic, Johnstown
 Tracy Lynn Mercer, Walhonding
 Lori Ann Merriam, Newark
 Paul Bernard Meshanko, Bexley
 Cheryl Jean Metro, Uniontown
 David Edward Metz, Morrow
 Robert Lynn Metzger, Pickerington
 Vickie Ann Metzger, Columbus
 Michele Ann Meyer, Wilmington
 James Adam Mihalik, Avon Lake
 Elizabeth Ann Milbrandt, Avon Lake
 Jodi Coleen Miles, Columbus
 Linda M. Miller, Westerville
 Lisa Rose Miller, Columbus
 Robin L. Miller, Toledo
 Steven M. Millman, Cincinnati
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 Eric James Mitiska, Vermilion
 Christopher James Modd, Kenton
 Angela Marie Mollica, Athens
 Michael Joseph Montgomery, Columbus
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 Christina Marie Moran, Vandalia
 Bonnie Ellen Morris, Columbus
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 Mary Elizabeth Morrison, Parma
 James Paul Mortensen, Upper Arlington
 Scott Alan Moses, Fairlawn
 Michael Edward Mozina, Salem
 Mary Josephine Murphy, Lakewood
 Mary Margaret Murphy, Bay Village
 Kimberly Sue Murray, Mansfield
 Eric Randolph Musser, Richmond, VA
 Susan Jean Nally, Columbus
 Charles Richard Neff, Pataskala
 William Alex Nemeth, Jr., Medina
 John Michael Neuhart, Lima
 Pamela Beth Newman, Moreland Hills
 Kimberly Coreen Newsom, Frazesburg
 Beth Ann Newton, Dublin
 Nam Thanh Nguyen, Painesville
 Brenda Lee Null, Lima
 Merrill Lloyd Oakes, Portsmouth
 Susan Marie O'Brien, Columbus
 Paul Robert O'Keefe, Columbus
 Marnie Ann Opitz, Fostoria
 Steven James Opperman, New Bremen
 David Alan Orr, Columbus
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 Thomas Patrick Osif, Westlake Village, CA
 Thomas Cecil Owens, Canfield
 Jeffery Allan Oyster, Upper Arlington
 Stacy Diane Paghis, South Euclid
 William M. Painter, Pittsburgh, PA
 Lori Ann Pallante, Warren
 Susan Kaye Palmer, Brook Park
 Patricia L. Palmieri, Columbus
 Robert Dennis Palmieri, Columbus
 Jean Marie Palte, Glandorf
 Douglas Craig Pannier, Worthington
 Penny Beth Parker, Worthington
 Monica Margaret Pater, Tabb, VA
 Tammy Lyn Patton, Reynoldsburg
 Michelle J. Paxton, Johnstown
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 James Leo Pickets, Bucyrus
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 David Glen Price, Marion
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 Lori Ann Provident, Amherst
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 Wendy Anne Rasulis, Montgomery
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 Elizabeth Austin Reed, Columbus
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 Jay Robert Scott, Centerville
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 Adriane Lynn Siegendort, Miami, FL
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 Kathleen Kaye Smith, Union
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 Timothy S. Snapp, Grove City
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 Catherine Sobolewski, Worthington
 Michael Scott Sokol, Lakewood
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 Singapore
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 Lee Howard Stram, Toledo
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 Heights
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 Gene Franklin Tate, Wheelersburg
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 Gary Allen Taylor, Tiffin
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 Chong Keat Teoh, Georgetown, Penang,
 Malaysia
 Michael Glenn Thomas, Pickerington
 Nesley Elinda Thomas-Osborne, West
 Jefferson
 Diane Sue Thompson, Marion

Thomas Russell Thompson, Waverly
 Tracy Sue Thompson, Amherst
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 Jeffrey Paul Timen, Mayfield Heights
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 Michael Edward Troolin, Mansfield
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 Jody Scott Underwood, Piqua
 Karen Beth Valentine, Dayton
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 Robin Beth Vander Ven, Grand
 Rapids, MI
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 E. Roberta Wade, Galion
 Jill Marie Wagner, Brook Park
 John T. Wagner, Bloomingdale
 Bradley Alan Wahl, Wooster
 Leslie Anne Wallace, Panama, Republic of
 Panama
 Theron Wallingford, Chillicothe
 Charles Eric Walters, Columbus
 Douglas Richard Walters, Saddle
 River, NJ
 Jennifer Jane Walters, Dublin
 Jonathan Paul Walters, Euclid
 Sharon Elizabeth Walters, Mansfield
 William David Walters, Groveport
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 Christine Kay Washburn, Morral
 Karen Glenn Wasielewski, Cincinnati
 Douglas Scott Wassell, Beavercreek
 Joseph Anthony Wassink, Elida
 Christine Marie Watson, Sagamore Hills
 Isra Wattanasarn, Worthington
 Panpilas Wattanasarn, Worthington
 Peggy Ann Wauben, Delphos
 James K. Weaner, Defiance
 Lisa Anne Weed, Logan
 Suzanne E. Weidner, Lancaster
 Tim Lewis Weininger, Sycamore
 Elyse Michelle Weintraub, Akron
 Susan Deborah Weisler, Lyndhurst
 Jeffrey Scott Weisman, Solon
 Cherié Lynn Wharton, Centerville
 Matthew Christopher Whelan, Red
 Bank, NJ
 Brendan Matthew White, Cincinnati
 Brian Richard White, Mayfield Heights
 Sherry Lynn White, Columbus
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 Bruce Edward Wickline, Marysville

Joanna Wicks, Zanesville
 Todd Michael Wilcox, Kenton
 Lori Ann Wilder, Strongsville
 Michael Robert Wilgus, Columbus
 Linda Marie Wilk, Willoughby Hills
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 Amy Beth Willdman, Akron
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 Deborah Annette Williams, Centerville
 Kristofer Kyler Williams, Toledo
 George Anderson Wilson, Columbus
 Michael McAdams Wilson, Columbus
 Derek Tsz-Ming Wong, Hong Kong
 Charles Michael Wood, Toledo
 Howard Perry Wood, Columbus
 Thomas J. Wood, Copley
 Wayne Verr Wooddell, Utica
 Michael Todd Workman, Canal Fulton
 Jeffrey Allen Wrona, Collegeville, PA
 Scott Anthony Wyckoff, New London
 Edward Louis Wysmierski, Stow
 Stacy Yeoh, Columbus
 Myers Leslie Yeomans, Madeira
 Mary Kay Yerina, Westerville
 Peter Bruce York, Xenia
 Cheryl Lynn Zalar, Euclid
 Katherine Lynne Zaytoun, Dayton
 John Kenneth Zimerle, Elida
 Dale Edgar Zink, Canton
 Frank Attila Zoltan, Lorain

College of Dentistry

Dean: William R. Wallace

Doctor of Dental Surgery

Robert Randall Allen, Gary, IN
 B.A. (DePauw University)
 Steven Eugene Anderson, Seattle, WA
 B.B.A. (University of Washington)
 George Michael Appel, Rocky River
 B.A. (College of Wooster)
 Susan Michelle Baker, Rochester, NY
 B.S. (Syracuse University)
 Joseph John Baytosh, Jr., Youngstown
 B.A. (Hiram College)
 Christopher Wilson Beckner, Cincinnati
 David Richard Behringer, Defiance
 B.S.
 Ted Allen Beitelschees, Maume
 B.S.
 Randal Maxwell Benefield, Munroe Falls
 B.A. (College of Wooster)
 Gerhard Alexander Berberich, Mansfield
 B.S.Pharm.

Richard Michael Berger, Merced, CA B.A. (University of California-San Diego)	Steven Brian England, Worthington B.S. (Southern Missionary College)	Thomas Robert Hughes, Lakewood B.S. (Ohio University)
Jeffrey Alan Blankenbeckler, Worthington B.S.Bus.Adm.	Nancy Marie Farnlacher, Johnstown B.A.	Cynthia Papesch Jaun, Palatine, IL B.S. (University of Notre Dame)
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Theodore Scott McMillin, Springfield
B.A. (Wittenberg University)

Deborah Ann Mendel, New Castle, PA
B.A. (Washington & Jefferson College)

Matthew Joseph Messina, Mentor
B.S. (Michigan State University)

Leslie Monét Metzger, West
Bloomfield, NY
B.S. (Michigan State University)

Walter Darrell Mick, Thornville
B.A. (Miami University)

Lytha Kay Miller, Dayton

Ronald James Molinari, Franklin
Square, NY
B.A. (State University of New York at
Binghamton)

Richard Stuart Morgan, Xenia
B.S. (Ohio Northern University)

Timothy Andrew Morris, North Royalton
B.S. (Cleveland State University)

David Roy Muckler, Chillicothe
A.B. (Indiana University)

David Meredith Murphy, Sandusky
B.A. (Miami University)

Kenneth Charles Myers, Elyria
B.S. (Ohio University)

Jeffrey Michael Nash, Zanesville
B.S. (Ohio University)

Thomas Richard Nymberg, Cincinnati
B.S. (University of Cincinnati)

Frank Francis Omerza, Cleveland
B.S. (John Carroll University)

Steven Everett Parker, Canton
B.A. (Case Western Reserve University)

Thomas Michael Paumier, North Canton
B.S.

Gregory Joseph Pohl, Coldwater
B.S. (University of Cincinnati)

Mark Scott Polasky, Cincinnati
B.S. (University of Cincinnati)

Cynthia Jean Popa, Atwater

Donald Lawrence Potts, Dayton
B.S. (University of Dayton)

Dale Bowen Puterbaugh, Cincinnati
B.S. (Xavier University)

Forrest Lance Quattro, Grossie, IL
B.S. (John Carroll University)

Mark David Raisch, Germantown
B.A. (Miami University)

Jane Elizabeth Ray, Cincinnati
B.A. (Miami University)

Keith Eric Reber, Youngstown
B.S.Pharm.

Richard Roland Ricci, Riviera Beach, FL
B.A. (University of South Florida)

Claire Justine Ritter, Cincinnati
B.S. (Wright State University)

Julie Spettel Roberts, Norwalk
B.S. (University of Akron)

Jonathan David Robinson, Akron
B.S. (Northern Arizona University)

Keith Allan Schmidt, Austintown
B.A. (Miami University)

Darrell Grant Selig, Cincinnati
B.A. (Indiana University)

Christine Marie Sens, Sandusky
B.A. (Miami University)

Gerald Sisko, Akron

Craig Allen Slack, Granville
B.S.Ed. (Miami University)

Jeffrey Richard Slavkovsky, Youngstown
B.S.Pharm.

Nicholas Eugene Smith, New Richmond
B.S. (University of Cincinnati)

Jeffrey Allen Stang, Elyria
B.S. (Ohio University)

Michael Evan Steinberg, Scottsdale, AZ
B.S. (Arizona State University)

Daniel Thomas Stewart, Wooster
B.S. (Allegheny College)

Wanda Elaine Mundy-Stewart, Yellow
Springs
B.S. (Central State University)

Darius Alan Talebi, Columbus
B.S.

James Hincken Tanner, Aurora
B.A. (Bucknell University)

James Carl Tauschek, Westerville
B.A. (Ohio Wesleyan University)

Pedro Luis Teixeira, Chino, CA
B.S. (California State Polytechnic
University)

Jonathan Michael Torma, Bayside, NY
B.A. (State University of New York at
Binghamton)

Douglas William Vayda, Oakmont, PA
B.S. (Pennsylvania State University)

Mark Roger Vermillion, Brookville
B.S. (Wright State University)

Michael Bradshaw Vitt, Larchmont, NY
B.A. (Ohio Wesleyan University)

Christine Marie Wallace, Columbus
B.S.

Douglas Bailey Weinman, Kettering
B.S.

Robert John Weisenburger, Pemberville
B.S.

Mark Scott Wenzel, Columbus
B.S.

Todd William Westhafer, Dennison
B.S.

Carl Henry Wheeler, Grove City

Mark A. Wilkinson, Louisville
B.S.

Tanya Rebecca Wilson, Washington, DC
B.S. (Allegheny College)

Terrance Joseph Wolf, Canfield
B.S. (University of Notre Dame)

Douglas Lee Yoshino, Chesterland
B.A. (University of Toledo)

Philip Leslie Younts, Oxford
B.A. (Miami University)

Bachelor of Science in Dental Hygiene

Tamera Sue Boyle, Solon
Constance Lynn Duecker, Chippewa Lake
Lawrence Edward Gamby, Defiance
Jo Ellen Taylor, Morristown, TN
Mary Jo Yaroma, Fairview Park

Certificate of Graduate Dental Hygienist

Mary Jo Besancon, Orrville
Patricia Ann Bisesi, Ashland
Edith Olivia Burkhardt, Woodsfield
Susan Marie Carey, Mason
Robin Renee Craig, Red House, WV
Carol Theresa Culley, Urbana
Kimberly Ann Farey, Canton
Margaret Ann Gedeon, Rocky River
Dean Robert Gladura, Parma Heights
Nancy Lynne Gorby, Akron
Nancy Beth Grau, Brecksville
Julia Marie Green, Urbana
Sheri Lee Green, Loveland
Nancy Mary Gross, Norwalk

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 Virginia Kay Harrison, Millersport
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 Laura Staker Hipps, Mansfield
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 Sheriess Ann Kraig, North Olmsted
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 Amy Mayfield, Fayetteville, AR
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 Sandra Dee Preston, Columbus
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 John Alan Burkholder, Highland Heights
 Kathryn Jeanne Burkley, Columbus
 Gregory Allen Burlile, Fletcher
 Peter Andrew Cantor, Pittsburgh, PA
 Elena Marie Capozziello, Columbus
 Carmen Marie Caprella, Lima
 Carrie Ann Cardis, Munroe Falls
 Caren-Lynn Carlisle, Loudonville
 Randall Anthony Carmel, Mansfield
 Mary Jean Carr, Loudonville
 Doran Michael Carrier, Canton
 Kelli Ann Castanien, Canton
 Margaret Ann Cave, Worthington
 Jodi Aleese Chaiten, South Euclid
 Susan Blake Chaney, Plain City
 Mamie Wallace Chichester, Plain City
 Autumn Renee Christman, Mansfield
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 Gay Ellen Clodfelter, Granville
 Margaret Clare Conlon, Marysville
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 David Andrew Cornwell, Columbus
 Kimberly Diane Cottrill, Logan
 Gregg Owen Courtad, Columbus
 Mark David Crabtree, Columbus
 Kathy Jean Dain, Columbus
 Roland Bernard d'Amato, Columbus
 Joni Anne Daniel, Bucyrus
 Keltion Danner III, Warren
 Sabo Adamu Dan 'Yaro, Bauchi, Nigeria
 Lou Byers Daum, Marysville
 Jeanette Dean, York Center
 Cheryl Ann DeGood, Marion
 Deidre Michele Dejeu, Toledo
 Rhonda Sue Dennis, Columbus
 Marilyn Floyd Dennison, Marion
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 Ronda Jo Ebersole, McConnelsville
 Linda Marie Eckart, Akron
 George Alexander Edmonds, Jr., Columbus
 Jill Eikenbary, Columbus
 Lame Ahamed El-Yakub, Bauchi, Nigeria
 Gina Marie Emanuel, Warren
 Carolyn Marie Evans, Dublin
 Wayne Aaron Faires, Powell
 Sheila Kay Ference, Columbus
 Mark Richard Finneran, Boardman
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 Marie Ann Foeller, Pickerington
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 Joyce Ann Gaff, Lexington
 Andrew John Gaietto, Tiffin
 Christopher Gecik, Toledo

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 Marsha Kay Gentelone, Gahanna
 Linda M. Gephart, Lima
 Jill Suzanne Gerke, North Olmsted
 Suzanne Kathleen Gilkey, Weirton, WV
 Cheryl Sue Gillilan, Groveport
 Allison Gilmore, Beachwood
 Sara Jo Glatz, Granville
 Laurie Michelle Goldmeier, Denver, CO
 Daniel Eugene Goodwin, Belpre
 Elizabeth Ann Goodwin, Strongsville
 Joyce Teresa Gosmeyer, Fairfield
 Edwin Howard Gosney, Martins Ferry
 Thomas David Grandy, Bucyrus
 Nancy Beth Grau, Blissfield, MI
 Trevor Edward Gregg, Marysville
 Ann Frances Griffith, Warren
 Ralph Frederick Grimes, Marysville
 Daniel Edward Gross, Strongsville
 Nancy Mary Gross, Norwalk
 Connie Sue Groves, Mansfield
 Cynthia Ann Guess, Lima
 Cynthia Ann Guild, Lexington
 Susan Kay Guzzo, Columbus
 Stacey L. Haas, Orrville
 Manette Hale, Columbus
 Scott Addison Hamilton, Columbus
 Amy Farris Hamrick, Columbus
 Christopher Lee Hasebrook, Westerville
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 Gwendolyn Gaye Heller, Marion
 Anne Christine Herring, Lima
 Jodi Lynn Hess, Toledo
 John Scott Hickman, Worthington
 Margaret Mary Hickman, Wapakoneta
 Kathlene Sue Hicks, Conneaut
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 Nancy Kay Hinger, Thornville
 Judith E. Hoersten, Lima
 Becky Ann Hoff, Columbus
 Anna Maria Hohwald, Erie, PA
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 Teresa Gayle Hopson, Washington Court House
 Jane Ellen Houg, VanWert
 Amy L. House, Westerville
 Kelly Jane Hoyt, Columbus
 Traci Marie Hunter, Reynoldsburg
 Amin Zachary Huseyn, Bauchi, Nigeria
 Regina Kay Hutchinson, Gahanna
 Karen Sue Hyland, Marysville
 Christine Anne Ignaut, Westlake
 Deirdre Elaine Ingram, Shelby
 Jeffrey Jon Jerabek, Mentor
 Lois Marie Jeske, Rocky River
 John Keith Johnson, Salesville
 Gary Evan Johnston, Columbus
 Lisa Ann Jones, Ottawa
 Lisa B. Jones, Columbus
 Lisa Ann Kader, Sugar Grove
 Constance Marie Kaiser, North Olmsted
 Joan Elizabeth Kane, Toledo
 Gregory Mathew Karaffa, Seven Hills
 Daudu Bello Katagum, Bauchi, Nigeria

College of Education

Dean: Donald P. Anderson

Bachelor of Science in Education

Yusufu Dagonjeji Ahmed, Bauchi, Nigeria
 Bawa Abdulrahman Alabura Gabanga, Bauchi, Nigeria
 Carol Sue Alfman, Cambridge
 Michele Vollmer Allen, Pataskala
 Sarah Arlene Allman, Coshocton
 Mary Ellen Amos, Gahanna
 Denise Marie Anderson, Shadyside
 Sandra K. Anderson, Mansfield
 Sani Ari, Bauchi, Nigeria
 Bruce R. Ault, Columbus
 Mohammed Bello Babangida, Bauchi, Nigeria
 Neil Scot Badertscher, Bluffton
 Beth Ann Badger, Groveport
 Mary Katherine Balas, Fairview Park
 Kenneth Scott Ball, Sidney
 Michelle Lynn Barnd, Shelby
 Mary Elizabeth Barr, Fremont
 Yvonne Denise Basch, Mayfield Heights
 Kelly Diane Bash, Forest
 Jeffrey James Beale, Columbus
 Yusufu Ahmed Bello, Bauchi, Nigeria
 Teresa Ann Bennett, Columbus
 Judith Ann Berner, Lima
 Holly Sue Bernzweig, Beachwood
 Mary Jo Besancon, Orrville
 Lisa Marie Bettio, Stow
 Joseph F. Bianco, Lima
 Patricia Ann Bisesi, Ashland
 Brandi Boyer, Granville
 Michelle Anne Boyer, Lima
 Kenneth Allen Bradley, Jr., Grove City
 William Richard Brand, Columbus
 Lisa Marie Brauer, Wadsworth
 Bradley Frazier Briggs, Lancaster

Ruth Hessler Katterhenrich, Grove City
 Katherine Patricia Keil, Toledo
 Sherry Louise Keller, Hebron
 Melissa Ann Kentner, Wapakoneta
 Gayle Elizabeth Kerber, Columbus
 Susan Marie Kesselring, Plain City
 Amy Elizabeth Ketner, Ottawa
 Janet Lavelle King, Marion
 Kimber Lucille Kinkead, Columbus
 Melissa Jane Kinsey, East Liverpool
 Jane Louise Klein, Lorain
 Carl Leonard Kniece, Westerville
 Jay Arno Koehler, Grove City
 Leslie Louise Koprak, Bridgeport
 Danielle Kost, Vermilion
 Sheriess Ann Kraig, North Olmsted
 Rebekah Jane Kreider, Coshocton
 Beverly Kruger, Shaker Heights
 Anne C. Kundert, Bellefontaine
 Richard Allen Kundert, Bellefontaine
 Jacqueline Sara Kurtz, Cleveland
 Karin Lynne Kurtz, Bucyrus
 Annette Lampton, Lima
 Kimberly Ann Lanane, Columbus
 Lynn Patrick Landis, Lancaster
 Michele Reese Lane, Columbus
 Nanette Marie LaVergne, Findlay
 Julie Mae Layman, Strongsville
 Scott Haywood Leach, White Plains, NY
 Mi Sook Lee, Columbus
 Tara Ann Lee, Dresden
 Jeanine Louise Leech, Mansfield
 Melanie Ann Lehman, New Madison
 Diane Sue Leith, Pleasantville
 Lola Lynne Lentol, Lima
 Laura Ann Lewandowski, Worthington
 Kathy Ann Linstedt, Waldo
 Christopher Robin Lisi, Willoughby
 Deidra Irene Long, Mt. Gilead
 Victoria Ann Lorenz, Coshocton
 William Steve Lutgen, Columbus
 Lynn Kathryn Luthern, Hubbard
 Linda Carol Lyons, Cleveland
 Michael Paul Mack, Defiance
 Elizabeth Jean Madison, Zanesville
 Karen Marie Mallarnee, Carrollton
 April Lynn Marcus, Columbus
 Gale Lynn Markus, Columbus
 John Robert Matchett, Coshocton
 Jennifer Kay Mathews, Medina
 Dora Nadine Maurer, Monticello, NY
 Michael S. Mazzon, Columbus
 Robyn Marie McDonald, Cleveland
 Kimberlie Dianne McManaway,
 Mt. Vernon
 Katherine Mary McPolin, University
 Heights
 Anne Jones McTurner, Columbus
 Kelly Lynn McWilliams, Massillon
 William Kyle Menchhofer, Celina
 Thomas Ronald Mercer, Cincinnati
 Stevens James Merena, Schaumburg, IL
 Deborah Lynn Merz, Columbus
 James Edward Metcalf, Bucyrus
 Carl Albert Metzger, Shelby
 Diana Lynn Metzger, Shelby
 Gary Eugene Mikes, Byesville
 Lori Jean Miller, Toledo
 Natascha Miller, Groveport

Scott Russell Miller, Delaware
 Mindy Ellen Minkin, Bexley
 Muhammad Misau Musa, Bauchi, Nigeria
 Stuart Michael Moats, Johnstown
 Elizabeth Ann Montgomery, Akron
 Jennifer S. Moore, Gates Mills
 Kendra Kaye Moore, Worthington
 Michele Renee Morris, Woodsfield
 Christine Lynn Morrison, Seville
 Michael Patrick Moyer, Milan
 Anne Lorene Mueller, Mansfield
 Abubakar Bajoga Muhammad, Bauchi,
 Nigeria
 Michael Douglas Munsell, Columbus
 Carolyn Suzanne Murley, Columbus
 Rebecca Lynn Murphy, Sunbury
 Michele Therese Murtha, Worthington
 Roger Lee Myers, Ottawa
 Kathleen Mary Nelsen, Dublin
 Cynthia Lynn Nelson, Mansfield
 Elizabeth Anne Nelson, Waukesha, WI
 David Alan Nickol, Cincinnati
 Helen Jane Nilsson, Columbus
 Susan Marie Noble, Westerville
 Susan Marie Noe, Toledo
 Molly Ann Norris, Columbus
 Doris A. Oberlin, Columbus
 Kevin Michael O'Connor, Columbus
 Susan Marie Olivier, Chagrin Falls
 James Richard Otte, Columbus
 Virginia Kathleen Paap, Delaware
 Jennifer Michele Paige, Chillicothe
 Daniel Joseph Paoletti, Columbus
 Debbie Ann Parcher, Marion
 Joseph Alan Parsell, Mt. Blanchard
 Kristina Maria Pashovich, Columbus
 Renee Robin Pearson, Columbus
 Sharon Sue Pfahler, Pickerington
 Marianne Philip, Westerville
 Lisa Ann Piciacchio, Brewster
 Christine Marie Pillin, Poland
 Richard Lee Pogue, North Olmsted
 Kathleen Donahue Porteus, Columbus
 Karen H.B. Prost, Pataskala
 Beth Lynn Radman, Columbus
 Sharon Kaye Randles, Coshocton
 Robert Allen Recker, Cincinnati
 Tracy Diane Reeb-Matthews, Gahanna
 Amy Lynne Reese, Franklin
 Katherine Golden Reiser, Columbus
 Stephen Craig Reiss, Frazysburg
 Lawrence Albert Reitz II, Zionsville, IN
 Kara Kai Renshler, Columbus
 Jessica Jane Renwick, Powell
 Pamela Ann Rhine, Monroeville
 Cari Jo Rhoads, Marion
 Joan Elizabeth Rich, Marion
 Susan Ruth Ridgway, Walton Hills
 Leah Marie Rindfleisch, Worthington,
 Nicole Diane Rinehardt, Columbus
 Susan Gay Ripple, Columbus
 Julie Ann Roehrenbeck, Columbus
 Ellen B. Romisher, Lyndhurst
 Kelly Marie Rowland, Columbus
 Sandra Marie Rowley, Columbus
 Alice Elizabeth Rozic, Mansfield
 Faye Ann Ruhl, Bucyrus
 Carolyn Lynn Runyon, Bellefontaine
 Regina Marie Russell, Canal Winchester

Leslie O. Ryle, Marion
 Christine Marie Saeger, Columbus
 Murtala Sani Sambo, Bauchi, Nigeria
 Marsha Renee Sarver, Marion
 Renee Michelle Sawaya, Worthington
 Patricia Lynne Schneider, Centerville
 Joan Marie Schulze, Dayton
 Thomas Michael Schwarz, Columbus
 Pamela Bentley Scott, Mansfield
 Thomas Allen Selvage, Jeromesville
 Terrence Nevin Siders, Columbus
 Cynthia Anne Signore, Columbus
 Elaine Marie Skybo, Columbus
 Oleva A. Smith-Stanley, Edison
 Jill Denise Snader, Columbus
 Lisa Faye Soble, University Heights
 Virginia Louise Spears, London
 Amy Lynn Spencer, Columbus
 Jennifer Lynn Spiker, Elyria
 Russell Perry Sponsel, Stone
 Mountain, GA
 William Henry-Edward Spratley, Dublin
 Gayle Ellen Stadt, Mt. Sterling
 Timothy Gene Staley, Bluffton
 Kathryn Ogan Stapleton, Washington
 Court House
 Sherry Lynn Stauffer, Arlington
 John Paul Steng, Marion
 Tammy Lynn Stewart, Columbus
 Barbara Jean Stockdale, Newark
 Annette Mary Sutt, Mansfield
 Beth Ann Swanson, Lima
 Wilma L. Tanner, Marion
 Anthony Robert Tarantelli, Columbus
 Carol Marlene Temple, Marion
 Laura Katherine Theis, Circleville
 Margaret Eleanor Thompson, Ostrander
 Sara K. Thompson, Columbus
 Kathleen Anne Tighe, Cleveland Heights
 Thomas Matthew Tracy, Lexington
 Tamara Lynn Trump, Malvern
 Chrisanne Louise Turner, Van Wert
 Amy Lynn Twary, Stephenson, VA
 Ellen Madeline Tzagournis, Columbus
 Frances S. Underwood, Columbus
 Joseph Theodore Valentino, Columbus
 Melinda Ann Vandemark, Lima
 Janet Renee Van Zoest, Willard
 Kimberly Ann Vargecko, Orlando, FL
 Susan Elaine Vatsures, Delaware
 Elizabeth Anita Vaughn, Granville
 Jennifer Ann Vejdovec, Lakewood
 Michelle Angelina Vogel, Columbus
 Jennifer Ann Wagner, Centerville
 Kristin K. Wakely, Marion
 Stephanie Jean Walderzak, Huron
 Barbara Joan Walker, Lima
 Pamela Gail Walker, Green Camp
 Lori Ann Wallen, Dayton
 Jodell Renee Ward, Gahanna
 Julie Kay Ward, Kettering
 Roger Wade Warner, Columbus
 Craig Matthew Wasielewski, Cincinnati
 Kristin Ellen Webster, Columbus
 Melissa C. Weinbrecht, Columbus
 Jeanne Elaine Weisenauer, Sycamore
 Christopher Eric Wellbaum, Kettering
 Greg Lawrence Westrich, Columbus
 Lisa Ann Wietelmann, Marysville

Jon Dennis Wigtil, Columbus
Harley Ray Williams, Jr., Orrville
Margaret Ann Williams, Rocky River
Christine Anne Wilson, Westerville
Julie Ann Wilson, Dola
Kelly Marie Winters, Mason
Lisa Ellen Witt, Shaker Heights
Scott Franklin Woodie, Coshocton
Kimberly Sue Wooten, Caledonia
Jeffrey Dale Wright, Columbus
Samaila Ibrahim Yaji, Bauchi, Nigeria
Miriam Elizabeth Yates, Mechanicsburg
Deborah Ann Yochheim, Marshallville
Kathryn Barbara Yoss, Ashland
Elizabeth Eulalia Young, Columbus
Linda Lou Yutzky, Columbus
Allison Lynn Zeno, Ashland
Debra Lynn Ziegler, Kenton
Renee Louise Ziegler, Worthington
Leslie A. Zimmer, Solon
Melanie Anne Zoller, Columbia Station

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 the College of the Arts.

College of Engineering

Dean: Donald D. Glower

Bachelor of Science in Aeronautical and Astronautical Engineering

Stephen Jeffrey Alter, Youngstown
Keith Amburgey, Richmond, IN
Rusty Allan Benson, Jersey
Robert Raymond Boyd, Spring, TX
Geoffrey Robert Brown, Seattle, WA
Charles Alan Bulgrin, Columbia Station
Donald Hill Campbell II, Huber Heights
Jeffrey Lee Campbell, Bellaire
Charles David Carlson, Jr., Charleston, SC
Robert Joseph Cauley, Grove City
Timothy Raymond Chambers, Tallmadge
Joseph Walter Cleland, Tallmadge
Joseph Edward Coogan, Worthington
Robert Walton Dallas, Dallas, TX
Alan Merle Davis, Berea
Douglas Frank Dolfinger, Delaware
Sheryl Ann Dougherty, Mayfield Heights
Leonard Ray Duncil, Middletown
John Thomas Eichner, Columbus
Kenneth Joseph Fleming, Mansfield
William John Gillard, Rochester, MI
Peter James Glisemann, Staten Island, NY
Paul Dwight Gloyd II, Columbus
Jonathan Robert Guthrie, Westerville
Steven Franklin Hastings, Kettering
Scott Charles Havener, Columbus
William Edward Herr, Groveport
Clinton Jay High, Jr., Spring
Elvin Dean Hirtle, Jr., Gahanna
Jodi Ann Istenes, Euclid
James Edward Johnson, Youngstown
Brian Vitalis Knapke, Kalida

Eric Raymond Kosten, Euclid
Daniel Phillip Koster, Hudson
Jeffrey Neil Krahn, Circleville
Richard Allen Long, La Grange
Paul Alan Loomis, Sagamore Hills
Michael Alvin Lybarger, Shelby
Craig Allen Markusic, Columbus
Mark Howard Merrick, Worthington
Pavlos George Mikellides, Larnaca, Cyprus

Joseph Norman Miller, Columbus
Marvin Jay Miller, Fredericksburg
John Patrick Novotny, Avon Lake
Kathy Ann Nyland, North Olmsted
Christopher Alan Perhala, Cleveland
Timothy Alan Priser, Canal Winchester
George Constantine Proicou, Dublin
Sandra Gayle Schilling, Gahanna
Ralph Karl Schweers, Monmouth Beach, NJ
Frank Richard Seufert, Jr., Cleveland
Terry Alan Shadday, Pataskala
Randall Scott Smith, Worthington
Gerard Regis Snyder, Pittsburgh
James Bradley Soltisz, Sagamore Hills
Brian Edward Stephens, Milan
Michael Angelo Tallarico III, Ingomar, PA
Eric Heinz Thomas, Cambridge
Michael Alan Zupancic, Parma

Bachelor of Science in Agricultural Engineering

Victor Manuel Boggiano Pericchi, Caracas, Venezuela
Joseph Charles Linscott, Marysville
Robert Brian Morgan, Fairborn
Melanie Ann Schirtzinger, Columbus

Bachelor of Science in Aviation

Scott Frederick Brown, Amherst
James David Clark, Mt. Vernon
Kevin Richard Crocco, Columbus
Mark Alan Johnson, Springfield
Vincent Stephen Knitowski, Irvington, NJ
Darrell Glenn Kuivinen, Fairview Park
Brett William McCann, Worthington
Richard Gene McClellan, Bloomdale
Christopher Alan Perhala, Cleveland
Craig Stuart Shifferly, Wooster
Michael Brooks Taylor, New Concord
John William Villacres, Newark
Terry Lee Wauben, Cridersville

Bachelor of Science in Ceramic Engineering

Jon Gregory Bobinski, Berea
Richard Roy Broker, Marietta
Nancy Ann Crabill, Cincinnati
Melvin Charles Grimes, Miamisburg
Judith Louise La Rosa, Parma
Douglas Strong McKinney, Jr., Huber Heights
Satinder Kumar Nayar, New Delhi, India

Theresa Elizabeth Sailer, Grove City
Jeffrey Alan Shunkwiler, Grove City
Melissa Ann Trott, Zanesville
Robert Elmer Urig, Avon Lake
Dean Alan Warner, Akron
Lee Jeffrey Young, Painesville

Bachelor of Science in Chemical Engineering

Jeffrey David Adams, Cincinnati
Leila Lutfi Amra, Cleveland Heights
John Perry Baker, Columbus
Scott Donald Barnicki, Avon Lake
Daniel Leonard Canavan, Lima
Edward H. Chun, Murrysville, PA
Susan Patricia Crum, Washington, WV
Anna Kirsten Danduran, Columbus
William Clifford Dorman, Jr., Washingtonville, NY
Mark John Edinger, Ashland, KY
David Len Gibbs, Worthington
Karen Sue Graham, Arcadia
Craig Alan Hempfling, Findlay
John Edward Hock, Harvey, IL
Debbie Ann Johnson, Medina
Fereshteh Khorrami, Tehran, Iran
Elizabeth Anne Lander, Kettering
Martin David Legg, Cincinnati
Ralph Joseph Mancik, Oxford
Glenn Robert Maxwell, Sylvania
Maureen Marion McClain, Sullivan
David Irving Merrick, Worthington
Norlinda Mohd. Zawawi, Malaysia
Susan Kay Munson, New Carlisle
Charles Robert Nutter, Norton
Mary Lou Patacca, Columbus
Sombat Pinitpan, Chachoengsao, Thailand
Charles Edward Rawlins, Cardington
Anahat Kaur Sandhu, Columbus
Joseph Charles Sarna, Dover
Cynthia Dianne Sferra, Steubenville
Richard William Shields, Columbus
Kenneth Brian Srail, Parma
Thomas Joseph Sweeney, Columbus
Lisa Louise Thomas, Vanlue
Melinda Kay Thompson, St. Clairsville
David Wayne Turner, Toledo
Donna Marie Walter, Northfield

Civil Engineer

John Mathew Schmidt, Roundup, MT

Bachelor of Science in Civil Engineering

MohdHaslan Bin AbdRahim, Batu Pahat, Malaysia
Mohamad Bin Abdul Razak, Penang, Malaysia
Basman Ali Al-Sarkhi, Zarka, Jordan
Ossama Salah-Eddine Baassiri, Sidon, Lebanon
Bradford Arthur Beckert, Tallmadge
Karl Eric Billisits, Gahanna

Jonathan Scott Brunot, Greensburg, PA
 Michael Ward Colpetzer, Mentor
 Michael Paul Cyvas, Painesville
 Larry Lee Douglas, Dalton
 William Louis Ferrigno III, Wakefield, RI
 Mohd-Faudzi Bin Hanafiah, Bukit Mertajam, Malaysia
 Christopher Meeks Hartford, Hamilton
 Peter Sheldon Hubbard, Cincinnati
 Ray Douglas Jarvis, Lima
 Robert Jeffrey Johnson, Ada
 Tim Alan Lloyd, Venedocia
 Mohd-Saleh Lob, Perak, Malaysia
 William Carl Mack, Defiance
 Ghiath Malas, Damascus, Syria
 William Jeffery Marit, Amsterdam
 Stephen Casteilon Meizoso, Ross
 Thomas Robert Molls, North Olmsted
 Steven Earl Morton, Galena
 Jennifer Lee Nadalin, Columbus
 Kevin Bruce Nosek, Solon
 Edward David O'Connell, Delaware
 Mary Cathleen O'Malley, Cleveland
 Kristina Pawlikowski, Sanitaria Springs, NY
 Carol Lynn Platell, Seven Hills
 Keith Anthony Ravazzoli, Cincinnati
 David Ray Riggs, Harrisonville
 Eric Barton Sherer, Columbus
 Scott Alan Wilson, Columbus
 Choh Wah Ye, Paloh, Malaysia

Bachelor of Science in Computer and Information Science

Jamal Mohammed Abdallah, Nahf, Palestine
 Ibtissam Alama, Columbus
 Rowena Irene Averion, Pomeroy
 James Dennis Beal, Mansfield
 Laura Lynn Bilicki, Lakewood
 John Patrick Bowen, North Olmsted
 Shaun Patrick Brown, Newark
 Randolph Cole Brubaker, Granville
 Jerry L. Canterbury, North Ridgeville
 Thomas Andrew Caris, New Philadelphia
 Mark Andrew Cibula, Salem
 Bryan Douglas Dobbs, Beavercreek
 Gregory Noel Fenner, Cincinnati
 Gayle Anne Flores, Stow
 Cynthia Ann Forsythe, Vermilion
 Christopher James France, Van Wert
 Dale William Freck, Cincinnati
 Mark Wolfgang Froelich, Shaker Heights
 Jeffri Harold Frontz, Columbus
 Colleen Anne Gaughan, Warren
 Sarah Louise Good, Medina
 Charles Grab, Syracuse, NY
 Fadi Carl Habbouch, Cincinnati
 Mark Anthony Hanna, Parma
 Robert Justin Haschart, St. Bernard
 Craig Burrell Henderson, Coshocton
 John William Jaxtheimer, Jr., Columbus
 Daniel Thomas Kelsey, Dayton
 David Anthony Kralic, Middleburg Heights
 Andrew Louis Kress, Toledo
 William DeVore Lee, Granville

Peter Andrew Lowe, Chesterhill
 Kevin Frank Maisano, Norton
 James David Marwood, Jr., Westerville
 Deya Mahmoud Mashal, Jordan
 Jolyn Marie McCann, Akron
 James Edward McClure, Grove City
 John Daniel McElroy, Cincinnati
 Kevin Scott McJunkin, Westerville
 Joanne Roberta Meesig, Amherst
 Michael Gregory Morgan, Columbus
 John Robert Mudd, Westerville
 David John Ocasek, Medina
 Andrew Robert Oren, Brookville
 David Gordon Orr, New Philadelphia
 Andrew James Overly, Worthington
 Bruno Craig Paganini, Centerville
 Kristine Marie Podojil, Novelty
 Michael A. Pool, Columbus
 Gregory Van Poplos, Westerville
 Steven Lawrence Potash, Toledo
 Mark Allen Prazer, North Canton
 Mahendra Arcot Ramachandran, Madras, India
 Nareshkumar Sasitharan Ratnasingham, Colombo, Sri Lanka
 Anne Elizabeth Ritter, Sandusky
 Shawn R. Sague, South Euclid
 Jeffery Leo Schlupe, Columbus
 Gregory Jay Shivener, Amelia
 Cynthia Ann Shroyer, Kettering
 Steve George Stratton, Chagrin Falls
 Susan Marie Vonville, Columbus
 Robert O'Dell Wallace, Columbus
 Yancy David Wessell, Columbia Station
 Abraham Wheeler, New Carlisle
 Hee-Woon Yum, Seoul, Korea

Bachelor of Science in Electrical Engineering

Mitri Jacques Abou-Rizk, Beirut, Lebanon
 Denis Andrew Barry, Elyria
 Michael Robert Berberick, Plymouth
 Keith Nicholas Bobick, Broadview Heights
 Donald Paul Boian, Fairborn
 Thomas Hire Borgstrom, Kettering
 James Michael Bryan, Akron
 William Martin Burckel, Albuquerque, NM
 Tim Michael Cellars, Centerville
 Choeng Meng Chung, Kuala Lumpur, Malaysia
 Michael Paul Clark, Pataskala
 Karen Renee Cline, Centerville
 Russell Arthur Coleman, Dayton
 Patrick Joseph Collins, Fostoria
 Evagoras Demetriou Constantinides, Nicosia, Cyprus
 Craig Matthew Cope, Warren
 Robert James Corbett, Wooster
 Bradley Scott Corsello, Hartville
 Michael Steven Czeiszperger, Dayton
 Bradley Albert Darroch, Brecksville
 Todd Anthony Del Vecchio, Rayland
 Timothy Robert DeWitt, Lyndhurst
 Gregory DiFrank, Toledo
 Russell Edward Donnan, Worthington
 Thomas Jefferson Dowd, Waverly, NY
 Kellie Jo Durkin, Roswell
 Gabriel A. Ede, Kettering
 Taan Said El-Ali, Safad, Palestine
 Hussein Mohammed El-haj, Tyre, Lebanon
 Mohamed Elmanjra, Casablanca, Morocco
 Chris Ennis, Shaker Heights
 Michael Francis Fadini, Westwood, NJ
 Douglas William Fisher, Fairfield
 Joseph Andrew Fratino, Euclid
 John Peter Fueger, Lakewood
 David Allen Gadd, Milford Center
 John Lance Gass, Washington Court House
 Dannie Gay, Columbus
 Stephen Price Geohegan, Jr., Cincinnati
 William Yingling Giffin, Lima
 Thomas Steven Gluck, Cincinnati
 Douglas Norman Good, Columbus
 Paul Titus Griesmer, Parma
 Janice Carroll Grogan, Cincinnati
 Yustinus Albertus Gunawan, Madiun, East Java
 Jonathan Eric Harper, Fairfield
 Scott Thomas Harrison, Centerville
 John David Hawk, Lima
 James Robert Hessler, Columbus
 Douglas James Hoeffel, Centerville
 Robert James Holubeck, St. Clairsville
 Chia Hwei Debby Hsu, Taipei, Taiwan
 Michelle Lynn Ingmire, Columbus
 Hari Jackson, Cleveland
 Mouhanad Chawkat Kabbara, Tripoli, Lebanon
 Theodore Dimitrios Kareilos, Thessaloniki, Greece
 Hamid Karimnazi, Shiraz, Iran
 John Stephen Kaufman, Bellaire
 Yee Koon Khoo, Seremban, Malaysia
 Carol Marie Kleman, Delphos
 Joseph Daniel Krajnak, Athens
 Barry Dean Kuban, Port Clinton
 Andrew Dilks Kubit, Glenside, PA
 Stephen Crescent Lamb, Fairborn
 Robert Greathouse Layden, Dayton
 Eldon Gerald Leaphart, Dayton
 Thomas Alan Lechlak, Toledo
 Gary Lee Long, Bloomington, IN
 Mark Thomas Manofsky, Uniontown
 Mouayad Said Masri, Damascus, Syria
 Michael Scott Mathews, Chesterland
 Rodney Dale Maxson, Columbus
 John Adam Melvin, Springfield
 C. Richard Michael, St. Clairsville
 Jeffrey Emerson Miller, Reynoldsburg
 Ali Moghaddar, Columbus
 James David Mulhall, Middletown
 Robert Joseph Munko, Bedford
 Rex Andrew Mykrantz, Wooster
 Gregory L. Orvets, Youngstown
 Mitchel Mark Paliobagis, New Richmond
 Bohdan Michael Paselski, Parma
 John Eric Pries, Mansfield
 Scott Gerald Raderstorf, Richmond, IN
 Bryan Peter Riddiford, Columbus
 John Richard Roe, Farmington Hills, MI
 Elias George Rogaris, Kingston, NY
 Jeffrey Michael Rose, Middletown

Janet Marie Schmidt, Paoli, PA
Craig Allan Severson, Lakewood
Fung Chi Shuen, Hong Kong
Jeffery Scott Siferd, Beaver Creek
Raymond Edward Slyh, Hilliard
Michael Lee Snedden, Zanesville
Carl Richard Snezek, Avon Lake
Edward Arthur St. Jean, Mt. Vernon
Todd Alan Studer, Akron
Joseph David Suever, Delphos
R. Michael Taylor, North Ridgeville
Larry D. Turvey, Jr., Springfield
Robin Lee Vaughn, Caledonia
Mark Paul Vennemeyer, Vandalia
Curtis August Waldrop, Newark
Anthony John Wenner, Lancaster, PA
Jeffery Allen Wheeler, Kettering
David Lee Wigal, Martins Ferry
Anne Marie Wood, Willoughby Hills
Ung Ho Yi, Columbus
Anna Marie Zidar, Cleveland
Paul Anthony Zidek, Centerville

Bachelor of Science in Engineering Physics

Thomas Edward Barrett, Columbus
Charles Cornell Booth, Granville
Leonard Leroy Boyer, Jr., Lima
Charles W. J. Frayne, Jr., Springfield
Christopher Martin Kalivoda, Cleveland
Michael Wayne Karver, Whitehall
Stephen Eugene Losoncy, Whitehall
Robert Anthony Maston, Heath
David L. Shaad, Nashport
Jason Arthur Taylor, Xenia
Paul B. Wilson, Niles
Paul Anthony Zidek, Centerville

Bachelor of Science in Industrial and Systems Engineering

Kelly Ross Ackley, Sardinia
Thomas Ancher Ammentorp, Middletown
Ronald Paul Berelsman, Delphos
Keith Allen Brown, Tipp City
Susan Elizabeth Cardwell, Milan
Shawn Andrew Cartmell, Columbus
Barry Wayne Chambers, Belpre
Meheddin Najmeddin Charaf, Damascus, Syria
Nancy Ann Comparin, Blacksburg
Mary Melillo Cooley, Centerville
Robert Randolph Elseth, Vestal, NY
Lynn Eugene Fancey, Marysville
Leisa Ann Fonte, Magnolia
Scott Andrew Freese, Medina
Frank Rudolph Glowacki, Mentor
Gary Ronald Glozer, Berea
Stephen Martin Good, Kettering
Antoine Y. Haikal, Cleveland
Joseph Allen Heater, Findlay
Veronique Jeanne Jarrett, Grove City
Lesia Faye Jenkins, St. Marys
Cara Noel Jewett, Hamilton
Deborah Ann Keplinger, Wheelersburg
Darlene Marie Kleman, Columbus

Mark Edward Kline, Sarasota, FL
Timothy Charles Krieger, Worthington
James Ronald Langkamp, Gahanna
James Neal Lapp, Coshocton
Jeffrey Jon Lee, Dayton
Robin Marie Luetje, Farmington Hills, MI
John Taylor Mattox, Worthington
Thomas Shane McGinnis, Tipp City
Anna Marie Meyer, Harrison
Kathleen Louise Mihalic, Lorain
Kevin James Mulroy, Hudson
Raphael Ralph Nissimov, Chillicothe
Neil James Notestine, Columbus
Mark Joseph Novatny, Marion
Thomas Jackson Parkey, Manchester, NH
Jeffrey Ben Pascoe, Highland Park, IL
Lana Diane Petrou, Mansfield
Glenna Ruth Ponder, Xenia
Joseph John Prince, Beaver Creek
Gary Martin Pugh, Lima
Joanne Ellen Ratterman, Worthington
Marian Sue Read, Toledo
Amy Louise Rhine, Canfield
Holly Rowland, Wapakoneta
Jeffrey Alan Spiesz, Bay Village
Hok Peng Teh, Penang, Malaysia
Dat Phat Tran, Columbus
Laura Marie Untener, Columbus
Andrew John Westrich, Cincinnati
Gregory Eli Woken, Chatfield
Kathy Jo Wolfe, Crooksville
Madonna Ann Zupan, Euclid

Bachelor of Science in Mechanical Engineering

Donald Roy Belock, Cincinnati
Rodney Charles Buxton, Centerburg
Ronald Barry Cobb, Cincinnati
Thomas Joseph Creek, Reynoldsburg
Gregory Scott Elliott, Newark
Gregory Ray Feldman, Cincinnati
Chau Chuen Fung, Hong Kong
Mark Edward Gentry, Martinez
William Nealy Grawe, Cincinnati
Douglas Howard Green, Chagrin Falls
Kenneth Jerome Gregg, Strongsville
Daniel Joseph Grieshop, Columbus
Michael Allen Halley, Dayton
Steven Charles Hokky, Fairview Park
Paul Dominic Janini, Akron
James Earl Jones III, Akron
Michael David Jones, Lima
Brian David Kaiser, Canton
Rade Kecman, North Royalton
Jeanne Ellen Kohnhorst, Pickerington
Wendy Jo Kornis, Sandusky
Robert Lawrence Kucinski, East Amherst, NY
Eric Thomas Kuck, Kenton
David Louis Kuhlman, New Riegel
Mary Anne Layden, Cleveland
Philip Damian LeDoux, Peoria, IL
Man Him Leung, Whitehall
David Ying-Feng Lin, Columbus
Martin Todd Liston, Columbus
James Lombardo, Columbus
Steven Joe McFarland, Peebles

Patrick Anthony McLaughlin, Woodsfield
Kenneth Joseph Melching, Worthington
David William Meyer, Pickrel, WI
Daniel Molina, Sheffield Lake
Todd P. Moreman, Cincinnati
Scott Richard Mrzena, Mentor
Dennis Robert Ostendorf, Delphos
Stuart Loder Park, Mantua
James Martin Quasey, Coraopolis, PA
Richard Eugene Quigley III, Kettering
Bernard James Renggli, Kent
Eric Mark Richards, Granville
Raymond Joseph Richards, North Canton
Carol Celeste Richmond, South Euclid
Christopher Branden Roehm, McMurray, PA
Kurt Augustus Rupe, Lancaster
Chad A. Ruwe, Troy
David Michael Sabol, Massillon
James Frank Sisteck, Solon
Jeffrey Paul Smith, Gibsonburg
Paul Kenneth Smith, Fremont
Stephen Dale Snyder, Jr., Massillon
Randall Lee Stull, Mansfield
Mark James Vesely, Seven Hills
Patrick Harvey Vieth, Walbridge
Martin James Waung, Akron
Charles Howard Wilkinson, Columbus
James Scott Witherow, Elyria
John Kelly Wong, Richmond Heights
Winthrop Gibb Worcester, Akron
Kristen Elise Yeager, Bellbrook
Stephen Zehala, IV Galena

Bachelor of Science in Metallurgical Engineering

William Michael Andreski, Parma
Bruce Everett Baker, Wooster
Laura Ann Henning, Columbus
Carl Frank Popelar, Worthington
Robert Joel Rothchild, Cincinnati
Bonitta Rochelle Stearns, Columbus
Wesley Owen Wells, Des Moines, IA
Lenny Richard Zemon, Cumberland

Bachelor of Science in Mining Engineering

Kenneth Wayne Holland, Middletown
Steven Eric Jones, Cincinnati
Walter Clifton Kimball, Cadiz
Kenneth Edward Lake, Mansfield
Michael Joseph Matoszkia, Shadyside
Steven Wesley Roberts, Massillon

Bachelor of Science in Surveying

Jon Robert Ewert, East Syracuse, NY
Mary Cathleen O'Malley, Cleveland
Stephanie Paula Young, London

Bachelor of Science in Welding Engineering

Alper Emin Akture, Dayton
Gary Michael Barr, Cincinnati
Jon E. Blackburn, Findlay
Daniel J. Cadotte, Marquette, MI
Glen Robert Campbell, Ontario, Canada
Daniel C. Cassidy, Methuen, MA
Daniel Tongsoop Chang, Springfield, VA
Shawn Mitchell Dodson, Columbus
Christopher Lee English, Dublin
Allen Vance Gibboney II, Grove City
David Charles Gillett, Columbus
Marc Louis Hall, Columbus
James Allan Hammer, Somerset
Bradley Charles Hartley, Pittsburgh, PA
Glen Michael Hergenrath, Phillipsburg
Jeffrey Scott Herron, Mentor
Christopher Jay Hoffman, Waverly
James Paul Hurley, Miamisburg
Douglas Lee Ketrone, Eaton
William Andrew Kizer, Columbus
Troy Ronald Knopf, Milford
Edward Eugene Lassaline, Newmarket, Ontario, Canada
Raymond Chi-Wen Lee, Poughkeepsie, NY
Andrew James McGoldrick, Westerville
Troy Dwight Paskell, Zanesville
Bradley Van Reed, Galion
Mark Edward Sapp, Ontario
Mark Donald Schlegel, Solon
Jeffrey Louis Schnabel, Troy
Harold Wayne Seeds, Kirtland
Robert Alan Smith, Upper Arlington
Carl Norman Spencer, Clyde
Robert Daniel Strugar, Middleburg Heights
Daniel Antony Sustar, Wickliffe
Steven William Thompson, Worthington
Douglas Anthony Trimble, Ingomar, PA
Arnon Wexler, Givatayim, Israel
Martin Andrew Wilkinson, Louisville
Barry Christian Worrell, Middletown

School of Architecture

Bachelor of Science in Architecture

Shaharen Abdul Razak, Selangor, Malaysia
Mouine Hassib Abou-Zaki, Ainbal, Lebanon
Drew Ronald Anderson, Defiance
Ros Fatimah Ariffin, Pahang, Malaysia
Jeffrey Adam Ashmore, Columbus
Thomas Paul Beery, Columbus
John Douglas Bell, Shelby
Dean Oliver Berlon, Cincinnati
Markus Bonn, Aschaffenburg, West Germany
Patricia Louise Brett, Ravenna
James Christian Buchanan, Kirtland
Richard Held Buchsieb, Jr., Cambridge
Stephen Albert Busch III, Columbus

Sheryl René Byrket, Union
Nicholas Oliver Cassidy, Bowling Green
Christopher J. Cerbo, Monmouth, NJ
Theodore G. Chang, Worthington
Mark Douglas Clapsadle, East Palestine
Scott Michael Conlon, Worthington
Brad Richard Cothorn, Columbus
Juliet Ann Crist, Tiffin
Bradley Allen Dean, Elyria
Anthony Francis Derro, Cheverly, MD
Rose Marcelo Dostal, Cleveland
Stephen Dzurinin, Jr., Murrysville, PA
Brian Francis Eichenlaub, Columbus
Scott Allen Erdy, Columbus
David James Fallor, Columbus
Greta Jean Gass, Moon Township, PA
Steven Ifeatu Giwa-Amu, Jr., Sabongidda-Ora, Nigeria
Anthony Curtis Green, East Cleveland
Kathryn Ann Grigg, Stow
James Lee Harkin, Phoenix, AZ
Douglas Lee Hayes, Mt. Gilead
Lawrence Aloysius Hennessey, Jr., Madison
John Edward Herridge, Columbus
Robert Ansel Hillery, Indianapolis, IN
Norman Duncan Hixon, San Rafael, CA
Roland Martin Jones, Springfield
Brian Kent Jones, Gahanna
Coleman Austin Jordan, Shaker Heights
William Gerard Kestelik, Columbus
Jongwoo Kim, Pusom, Korea
Todd Geoffrey Kime, Toledo
Brenda Kay Kuhn, New Castle, PA
Choon Phooi Lee, Kuala Lumpur, Malaysia
George Michael Lewis, Columbus
Wayne Lee Linnabary, Columbus
Stephen Michael Mackov, Salem
Gerald Phillip Maze, Jr., Groveville, NJ
John L. Meegan, Jr., Uniontown, PA
Susan Elizabeth Melsop, Birmingham, MI
Bradley Jarman Mull, Toledo
Mark Anthony Nemecek, Worthington
Seow Keat Ng, Kulim, Kedah, Malaysia
Theodore Joseph Nourie, Cincinnati
Jay Bradley Richards, Columbus
Thomas Charles Roberts, Evanston, IL
Lorne Howard Rose, Toronto, Canada
Kevin Robert Russell, Fremont
Brian Scott Schlegel, Columbus
Edward Paul Schmittgen, Lorain
Robert Joseph Skillman, Jr., New Lexington
Phillip Thompson Soule III, Columbus
Mark Joseph Spagnuolo, Fairlawn
Thomas Byron Spreacker, Franklin Furnace
Terri Lyn Sudbrook, West Chester
David Scott Trautman, Miami, FL
John Charles Waddell, Powell
Shawn Michael Walker, Ironton
Joseph Carl Weithman, Galion
Paul Austin Wilson, Gambier
Bruce Edward Yoder, Toledo
Elizabeth Zandee van Rilland, Avon Lake

Bachelor of Science in Landscape Architecture

Phyllis Ann Austin, Mentor
Patricia Anne Beck, Chagrin Falls
Christina Esther Berken, Brunswick
C. Daniel Brown, Columbus
Marty J. Clayton, Columbus
David Reid Clifford, Columbus
James William Frank, Cincinnati
Stanley Joseph Frank III, Cincinnati
Robert Marten Frederick, Worthington
Grace Eva Geisman, Upper Arlington
Kimberly F. Haithcoat, Pittsburgh, PA
Kyal Carter Heinze, Columbus
Mark William Jones, Columbus
Michael John Kleer, Rocky River
Brian Jay Kocher, Columbus
Darryl James Menerey, Findlay
Philip Homer Miller, Worthington
Jodie Lee Moler, Worthington
Denise Michelle Neil, Columbus
Michael Danford Pflaumer, Pittsburgh, PA
Timothy Franklin Sence, Milford
Thomas Andrew Thadeus, Fairview Park
Keith Allen Weaver, Westerville
Linda Marie Wurtz, Waterville
Nancy Zuidgeest, Grand Rapids, MI

College of Home Economics

Dean: Lena Bailey

Bachelor of Science in Home Economics

Ruth Cavett Allred, Worthington
Peggy Ann Altherr, Kettering
Lisa Ard, Nevada
Julie Renee Banbury, Glenmont
Diane Marie Barga, Rossburg
Lisa Deann Benedetto, Columbus
Margaret Ellen Bernard, Dayton
Jane Ann Blume, Kenton
Suzanne Margret Bock, Solon
Beverly Ann Boey, Westlake
Peggy Ann Brown, Richmond Heights
Angela Lynn Bush, Edison
Caroly Miriam Cavalaris, Columbus
LeAnn Clark, Huber Heights
Traci Ann Clark, Ostrander
Camilla Carole Colwell, Columbus
Dawn Marlene Compton, Columbus
Lori Lynn Conger, Mt. Vernon
Kimberly Sue Conrad, Pickerington
Christine Elaine Cooper, Bucyrus
Lynda Elaine Davis, Gahanna
Stuart Michael Dayton, Columbus
Janelle Kae Decker, Gahanna
Kathleen Marcella Deely, Columbus
Bethany Ann Dewesse, Piqua
Amy Lou Dillahunt, Tipp City
Karen Sue Dunn, Columbus
Charlotte Ann Elfrink, Akron
Leslye Goodall Federer, Hilliard

Katherine Louise Fernald, Columbus
Lisa Marie Fernandez, Bowie, MD
Amy Suzanne Fray, Wintersville
Diane S. Frazier, Johnstown
Joni Lynne Fritz, Reynoldsburg
Elizabeth Ann Gable, Warsaw
Virginia Givens Goshorn, Columbus
Joan Elaine Grimes, Decatur
Laurie Sue Gross, South Euclid
Susan Lynell Grouls, Toledo
Julie Ellen Hahn, Cincinnati
Lynn Rinehart Harper, Columbus
Kathleen Maria Hess, Cincinnati
Lisa Arlene Hicks, Tiffin
Shelli Lynne Hull, San Clemente, CA
Lisa Kay Hunt, Springfield
Lauri Ysseldyke Johnson, Columbus
Kimberly Rae Jones, Cincinnati
Victoria Anne Josof, Akron
Lori Beth Kay, Columbus
Marie Angela Kin, Upper Sandusky
Lisa Kinsner, Avon Lake
Stephanie Anne Knight, Cadiz
Linda Gail Krochmal, Dayton
Susan Marie Kunes, Cleveland
Jill Lynn Laderman, Solon
Teresa Lyn Lazor, Williamsfield
Mary Jo Lehman, Elyria
Jacqueline Ann Lohiser, Mentor
Traci Colleen Lunsford, Cuyahoga Falls
Martha Ann Mahler, Findlay
Gina Ann Mahon, Cincinnati
Amy Kay McCallum, Columbus
Karen Ann Mealey, Columbus
Michelle Diane Mitchell, Plain City
Beverly Jean Mock, Columbus
Marsha Lee Mowrey, Columbus
Lelaine Millicent Nelson, Columbus
Brenda Novotny, Columbus
Amy Christine Ost, Akron
Laura Ann Pantaleano, Northfield
Kelly Sue Pavlov, Hubbard
Laura Lee Porginski, Portsmouth
Lisa Alison Porter, Dayton
Rebecca Jane Proeschel, Hamilton
Melanie Christine Putz, Worthington
Joyce Fern Rath, Montpelier
Laurie Renee Resnick, Pepper Pike
Joanne Kay Rickard, Lawrenceville, NJ
Michele Theresa Rodichok, Columbus
Julie Carol Rosenthal, University Heights
Rebecca A. Rosset, Dublin
Ellen Lee Roth, Toledo
Susan Andrea Schrickel, Brilliant
Julia Eve Schwartz, Beachwood
Dina Amy Seegull, Columbus
Deborah Jane Shivers, Mentor
Craig Alan Snyder, Portage, MI
Lesley Annette Stock, Pickerington
Jill Elizabeth Stryfeler, Canfield
Theresa Jane Swanger, Columbus
Carol Tannous, North Canton
Karen Elaine Taylor, Ashland
Karen Ann Thies, Fairview Park
Rhonda Lynn Topping, Gahanna
Erin Michelle Trimble, Dublin
Christine E. Walski, Avon
Jean Shephard Wentzel, Columbus
Marla Deane Winslade, Chardon

Barbara Lynn Young, Vickery
Laura Louise Zuppardo, Lima

Bachelor of Science in Hospitality Management

Mark Jason Dornfeld, Englishtown, NJ
Scott Edward Hoerig, Champion
Robert Earl Stearns III, Toledo
William Donald Theis, Canton

Bachelor of Science in Nutrition

Christian Joseph Baddour, Mansfield
Lerma Bautista Maximo, Cambridge
Matthew McHugh, Youngstown
Timberly Ann Phipps, Columbus
Mark William Slivka, Columbus
Steven Samuel Traikovich, Kentwood
Cynthia Louise Williams, Dayton

Bachelor of Science in Restaurant Management

James Hart Evans, Springfield
Debra Ann Hayman, Grove City
Judy Marie Lombardi, Canton

College of Law

Deane Francis X. Beytagh, Jr.

Juris Doctor

W. Mark Adams, Kingston
B.B.A. (Ohio University)
Jay Steven Agranoff, Spring Valley, NY
B.A. (State University of New York at Binghamton)
Linda L. Ammons, Cleveland
B.A. (Oakwood College);
M.A.
Jane Stempel Arata, Athens
B.A. (Indiana University)
Gayle Ann Arlen, Beachwood
B.A. (University of Rochester)
Susan Elizabeth Ashbrook, Columbus
B.A. (Oberlin College)
David Edward Ballard, Middletown
B.A. (Miami University)
Belinda Sue Barnes, Marysville
B.A.
John Paul Bartley, Scranton, PA
B.S. (University of Scranton);
M.S. (Marywood College)
Judith Leheldt Baster, Akron
B.A. (University of Southern California)

Thomas Edward Berry, Jr., Roxana, IL
B.A. (University of Illinois)

Louis Mitchell Best, Bowling Green
B.Mus.Ed.

Janet Lynn Bettis, Salem
B.A. (Wittenberg University)

Carmel Diane Bland, Hampton, VA
B.S. (Virginia Commonwealth University)

Joseph Paul Boeckman, Minster
B.B.A. (University of Cincinnati)

Juliet Elizabeth Boniface, Poland
A.B. (Smith College)

Timothy Francis Braun, Sandusky
B.A. (Rutgers University)

Barry Louis Breslow, West Long
Branch, NJ

B.A. (Rutgers University)

Marlo Bridges, New Bern, NC
B.A. (Bowling Green State University)

Thomas Charles Briggs, Rochester, NY
B.A. (The American University)

Smith Rufus Brittingham IV, Oberlin
B.A. (Oberlin College)

Nancy Neill Burdick, Granville
A.B. (Mount Holyoke College)

Joseph Allen Butauski, Strongsville
B.A.

Brian Thomas Casey, Hudson
B.S. (Auburn University)

Ryan Jewel Chandler, Brooklyn, NY
B.A. (Oakwood College)

J. Scott Clark, Columbus
B.A. (Northwestern University)

Toki Michelle Clark, Columbus
B.A. (Kent State University)

Ann Clarissa Clayton, Lancaster
B.A.

Patrick Joseph Coady, Columbus
B.S.

David James Coyle, Crawfordsville, IN
B.S. (Ball State University)

Bruce Robert Croteau, Sandusky
B.S., M.A., M.B.A.

Diane C. Current, Columbus
B.A. (Lenoir-Thyne College)

Jeffrey Oxford Davis, Meguon, WI
B.S. (Miami University)

Jayne Ellen Demaras, Cincinnati
B.A. (University of Pennsylvania)

Sallie Jo Debolt, Granville
B.S., B.S.L.H.R.

Don William DeVere, Columbus
B.A. (Kenyon College)

Thomas Andrew Dilling, Westlake
B.A. (Saint Louis University)

Jeffrey Howard Donelson, Jeromesville
B.B.A. (Ohio University)

Carla Rose Taylor Dowling, Lincoln, NE
B.A. (Kalamazoo College)

Daren Kimberly Draves, Columbus
B.S.Ed.

Pamela Anne Drucker, Beachwood
A.B. (University of Michigan)

Mary Suzanne Duffey, Columbus
A.B. (University of Michigan)

Julie Ann Dunwell, Grand Rapids, MI
B.A. (Miami University)

Thomas Jeffrey Efta, Columbus
B.A.

Daniel Shane Egan, Columbus
B.A.

Karen Annette Eelman, Columbus
B.F.A. (Cornell University)

Carole Rohyans Fallon, Worthington
B.A. (Miami University)

Marc Allen Fishel, University Heights
B.A. (Cleveland State University)

Andrew Allen Folkert, Columbus
B.A. (Kenyon College)

Julia Ann Gabriel, Columbus
B.A.

Van A. Gander, Cambridge
B.A. (Capital University)

Lisa Ann Garono, Cuyahoga Falls
B.A. (John Carroll University)

Jerome Andrew Gauthier, Columbus
B.S.

Monica Shirley Gfoeller, Fremont
B.A. (Boston University)

Gay Martin Gilbert, Charleston, WV
B.A. (Michigan State University)

Amy J. Meyer Girvin, Centerville
B.A. (University of Dayton)

Melvin Anthony Goldberg, Seattle, WA
B.A. (University of Washington)

Marc Stuart Goldin, Staten Island, NY
B.S., B.A.

Rhonna Suzanne Goldman, Sylmar, CA
B.A. (University of California at Los Angeles)

Mark David Goudy, Grand Rapids, MI
A.B. (University of Michigan)

Richard Edward Grant, Columbus
B.A.

Calvin Pasquale Griffith, Warren
B.S.

Sara Maya Anne Grundish, Willoughby
B.A. (Kenyon College)

Charles William Hardin, Jr., Conneaut
B.A. (Ohio Northern University)

Laurel Broida Hartshorn, Columbus
B.A.

Donn Hubert Herring, Jr., Findlay
B.A. (Westminster College)

William Adam Herzberger, Rocky River
B.S. (Miami University)

Jill A. Hess, Bowling Green
B.A. (Bowling Green State University)

Laura Marie Hillenbrand, Westerville
A.B. (University of Illinois)

Anne Light Hoke, Allentown, PA
B.A. (University of Maryland)

Susan Levitt House, Shaker Heights
B.S. (John Carroll University)

Brent Turner Howard, Columbus
A.B. (University of Illinois)

Lowell Bennett Howard, Jr., Columbus
B.A. (Miami University)

Joan Louise Irwin, Columbus
B.S.

Jay Edwin Jadwin, Lancaster
B.A. (Capital University)

Joseph Thomas Jakubek, Campbell
B.E. (Youngstown State University)

Donna Joyce Jennewine, Xenia
B.A.

John Mark Johnston, Reynoldsburg
B.S. (Bowling Green State University)

Terry J. Johnston, Maplewood
B.A. (Ohio Northern University)

Katherine Cecilia Jones, Cleveland
Heights
B.A.

Sonya Michelle Jones, Cincinnati
B.A. (University of Notre Dame)

Maria Oksana Juskiw, Louisville
B.A.

John C. Kairis, Westerville
B.A. (University of Notre Dame)

Scott Alan Kallander, Oxford
B.A. (Miami University)

John Mark Kantner, Canal Winchester
B.A. (Denison University)

Steven Robert Kirschner, Cincinnati
B.S. (Purdue University)

Deborah Darlene Kisamore, Medina
B.B.A. (Kent State University)

Kathy J. Kolich, Massillon
B.S.

Chris Korleski, Canfield
B.S.

Laura A. Kulwicki, North Canton
B.A.

Matthew Orville Lamb, Columbia Station
B.S. (Bowling Green State University)

Donald Alan Lane, Cincinnati
B.S. (Bowling Green State University)

Randall Duane LaTour, Columbus
B.A.

Risa Dinitz Lazaroff, Columbus
A.B. (University of Michigan)

David Edward Ledman, Greenhills
B.A. (Miami University)

Allen H Y Leong, Honolulu, HI
B.B.A., ACC (University of Hawaii-
Manoa)

Jeffrey Wiley Linstrom, Wooster
B.A. (Miami University)

Sara Elizabeth Lioi, Canton
B.A. (Bowling Green State University)

Virginia Elisabeth Lohmann, Newark
B.S. (Denison University)

Daniel Robert Lutz, State College, PA
B.A. (Allegheny College)

Robert Alan Lynch, Granville
B.A.

Herman Marable, Jr., Flint, MI
B.A. (Michigan State University)

Anastasia Natalie Markakis, East
Lansing, MI
A.B. (University of Michigan)

Lev Konstantyn Martyniuk,
Bloomington, IN
B.A. (Indiana University)

Douglas Robert Matthews, Worthington
B.A. (University of Virginia)

Robert Collins Maynard, Shaker Heights
B.A. (Georgetown University)

Kathleen Anne McGarry, Maple Heights
B.A. (Connecticut College)

Kelly Lyn McLaughlin, Mogadore
B.A.

Michael Patrick Meaney, Ashtabula
B.S. (Kent State University)

Susan Allison Miner, Dayton
B.S.

Michael George Minnich, Springfield
B.A. (Wittenberg University)

Maria Louise Mone, Columbus
B.A. (University of Notre Dame)

Deborah Aileen Morales, Chicago, IL
B.A. (Augustana College)

Guy M. Moreau, East Orange, NJ
B.A. (University of Florida)

Jennifer Joan Murchake, Columbus
B.S.

Jessica K. Mussman, Fostoria
B.A. (Ohio Northern University)

Craig Rikio Nakatani, Cerritos, CA
B.S. (University of Southern California)

Robert Charles Northess, Salt Lake
City, UT
B.S. (University of Utah)

Lawrence John Novak, Columbus
B.A.

Nirva Olibrice, Orange, NJ
A.A.S. (Essex County College);
B.S. (Seton Hall University)

Bonnie Irvin O'Neil, Zanesville
B.A. (Bowling Green State University)

Sally Ann Oxley, Ashland
B.S.N.

Jennifer Ann Parker, Bryan
B.A. (Miami University)

Joseph Michael Patchen, Worthington
A.B. (Boston College)

Mary Jo Paulett-Toumert, Cleveland
Heights
B.A. (Miami University)

Edward Rivas Perez, Kent
B.B.A. (Kent State University)

Raymond Wayne Perez, Troy
B.S. (Miami University)

Jill Porter, Lawton, OK
B.A. (Oklahoma University)

Gretchen Anne Quinn, Columbus
B.A.

Jenifer Bernard Rasor, Columbus
B.A.

Pamela Joyce Reiner, Shaker Heights
A.B. (University of Michigan)

Timothy Alan Riedel, Geneva
B.A. (Kent State University)

Kevin Arthur Rings, Dublin
B.A. (Wittenberg University)

Michael Eugene Ritch, Peninsula
B.A. (University of Akron)

Cheryl Lyn Roberto, Ravenna
B.A. (Kent State University)

Kathleen Anne Rummel, Columbus
A.B. (Mount Holyoke College)

Pamela Jean Ruschau, Dayton
B.M.E. (General Motors Institute)

Kimberly Ann Rye, Willoughby
B.A. (Allegheny College)

Nancy Paine Sabol, Avon
B.A. (Ohio University)

Scott Eric Salsbury, Conneaut
B.A. (Kent State University)

Jeffrey Blaine Sams, Albany
A.B. (Ohio University)

McKinley Hobart Sauer III, Massillon
B.S.A. (University of Akron)

Carol Susan Schaefer, Columbus
A.B. (Ohio University)

Robert Bruce Schaefer, Columbus
B.A. (Arizona State University);
M.B.A.

Karin Faith Schleifer, Cleveland
B.A. (Miami University)

Thomas Marlow Schneider, Kankakee, IL
B.A. (DePauw University)

Bernard Morris Schulte, Bexley
B.A. (Bucknell University)

Matthew Paul Seeberger, Tiffin
B.A. (Swarthmore College)

Warren Alan Seidel, Seven Hills
B.A. (College of Wooster)

Margaret O'Connor Shackelford, Canal
Winchester
B.A. (Ohio Dominican College)

Matthew Rogers Shay, Newark
B.A. (Wittenberg University)

Mark Eric Sheets, Gallipolis
B.A.

David Bryan Shelton, Cincinnati
B.A. (Earlham College)

Robert Charles Shrosbree, Southfield, MI
B.B.A. (University of Michigan)

Belinda Henderson Simile, Columbus
B.S. (Miami University)

Vicki Camille Singleton, Yellow Springs
B.A. (Wright State University)

Sheila Marie Sinno, Grove City
B.A. (Ohio Northern University)

Karen Eilene Slove, Westfield, NJ
B.A. (Emory University)

Evan Thomas Smith, Akron
A.B. (Harvard College)

Matthew Sherman Smith, Columbus
B.S.E.E.

Ricky David Sonkin, Beachwood
B.S.

Kenneth Richard Spiert, Columbus
B.A. (Bluffton College)

John Peter Stanard, Gates Mills
B.A. (Cleveland State University)

Daniel Nathan Steiger, Beachwood
B.A. (University of Michigan)

Nan M. Still, Dublin
B.S.Ed.

Anne Reinicke Storan, Mt. Vernon
B.A. (Purdue University)

Rebekah Miriam Sutin, Columbus
B.A.

Linda Iona Sutton, Columbus
B.S. (Ohio University)

Kip Michael Sweda, Elyria
B.A. (Case Western Reserve University)

Timothy Farrell Sweeney, Euclid
B.A. (University of Notre Dame)

Jeffrey Scott Szorik, Rochester, MI
A.B. (University of Michigan)

Robert Tannous, North Canton
B.S.

Countess Rochelle Taylor, Dayton
B.A. (University of Dayton)

LeTonda Marchehe Thompson,
Washington Court House
B.S.Soc.Wel.

Robert Craig Thurston, Cherry Hill, NJ
A.B. (University of Michigan)

Joseph Frederick Timmons, Coshocton
B.A. (Otterbein College)

Kevin James Tourek, East Grand
Rapids, MI
B.A. (Michigan State University)

Kurtis Adair Tunnell, Stapleton, NE
B.A. (Hastings College)

James Martin Underwood, Defiance
B.A. (Oklahoma Baptist University)

Michael Stefan Urban, Kent
B.A. (Kent State University)

Mark Edward Vannatta, Newark
B.S. (Bowling Green State University)

Donald Leander Vanterpool,
Westberry, NY
B.A. (CW Post College of Long Island
University)

Stephanie Marie Vesper, New Richmond
B.A. (DePauw University)

Gregory Joseph Vincent, New York, NY
B.A. (Hobart College)

Susan Elizabeth Wagner, Centerville
B.A.

Elizabeth McKinley Watkins, Columbus
B.S.

Lisa Carol Watkins, Pontiac, MI
B.S. (Tuskegee Institute)

Eric Lee Weeden, Onalaska, WI
B.S. (University of Wisconsin-LaCrosse)

Winnifred Norah Weeks, Columbus
B.A. (Coe College)

Tammy Higgins Whitaker, Cincinnati
B.A. (University of Cincinnati)

Gregory Allen Williams, Findlay
B.A. (Bowling Green State University)

Nancy Thomas Wonnell, Columbus
B.A.

Barbara Ellen Wright, Kent
B.S. (Kent State University)

Janel Lesly Wright, Wooster
B.S. (Allegheny College)

Kenneth Allen Zak, Parma
B.S.

College of Medicine

Dean: Manuel Tzagournis, M.D.

Doctor of Medicine

Kevin James Anderson, Massapequa, NY
B.S. (University of Dayton)

Patricia Jo Anderson, Cincinnati
B.S.

Mary Sollinger Applegate, Cuyahoga Falls
B.S. (Creighton University)

Sarah Louise Artman, Cincinnati
B.A. (Cornell University)

Scott Robert Baker, Lancaster
B.S. (Ohio University)

Jonathan B. Baktari, Los Angeles, CA
B.A. (Case Western Reserve University)

Constance J. Bauer-Giffin, Upper Sandusky
B.S.

Kelly Denise Beatty, Louisville, KY
B.A. (Earlham College)

Patricia Connor Benson, Columbus
B.S.

Rosalie Barath Beverly, Cleveland
B.M., B.M.Ed. (Conservatory of Music of the University of Cincinnati);
M.M. (Peabody Conservatory of the Johns Hopkins University)

Shelley Lynn Blackburn, Lakewood
B.A. (Capital University)

John Mark Boltri, East Northport, NY
B.A. (State University of New York College at Purchase)

James Aloysius Boozan, Elizabeth, NJ
B.S.C.E. (Princeton University)

Randall David Borland, Carrollton
B.S. (Case Western Reserve University)

David Wayne Bowyer, Uniontown
B.A. (College of Wooster)

Mitchell Andrew Brack, Richmond Heights
B.A.

Thomas Dickerson Brown, Ottawa
B.A.

Bradley Alan Bryan, Sylvania
B.S. (Ohio University)

Timothy Kerr Buchanan, Canfield
B.S. (Cornell University)

Jana Kaye Burson, Shade
B.S. (Ohio University)

Christopher William Cervantes, Cincinnati
A.B. (Washington University)

Linda Ann Chasson, Oak Park, MI
B.S. (University of Michigan)

David Lewis Chengelis, Youngstown
B.S. (University of Cincinnati)

James David Chlovechok, Cambridge
B.S. (Ohio University)

Anna Maria Citino, Salem
B.S. (Kent State University)

Richard Don Clark, Beverly
B.S. (Marietta College)

John Francis Collins, Dublin
B.S.

James Edward Conley, Canton
B.A. (Kent State University)

John David Crecca, Granville
B.A. (Ohio Wesleyan University)

Jeffrey William Crecelius, Ashland
B.S.

Ann Marie Croft, Maple Heights
B.S. (University of Notre Dame)

Suzette Lucille Cullins, Jacksonville, FL
B.A. (Talladega College)

Stephen Michael Davakis, Poland
B.S. (Youngstown State University)

Allen Gregory Deam, Dublin
B.S.Nurs.

Christopher Mark de Groot, Salt Lake City, UT
B.S. (Wright State University)

Edward A. Del Grosso, Watertown, CT
B.S. (Case Western Reserve University)

Gregory Joseph DeLorenzo, Cincinnati
B.S.

Christopher A. DeMaioribus, Westlake
B.S. (University of Notre Dame)

Dawn Janelle Detweiler, Kidron
B.A. (Goshen College)

Charles Albert Dietz, Jr., Reynoldsburg
B.S.

Kurtcebe Hikmet Dingman, Pepper Pike
B.A. (Case Western Reserve University)

Joseph Edward Dohar, Youngstown
B.S.

Laura Lee Dugan, North Canton
S.B. (Massachusetts Institute of Technology)

Risa Stephanie Dunn, University Heights
B.S.

Kathryn Barry Einhaus, Cincinnati
B.S. (Auburn University)

Ronel Rocha Enrique, Broadview Heights
B.A. (Dartmouth College)

Marvin Franklin Ewy, Columbus
B.A. (Kenyon College)

Stephen Andrew Fahrig, Centerville
B.S. (University of Notre Dame)

Arlene Marie Fedorchak, Youngstown
B.S. (John Carroll University)

John Francis Feller, Mentor
B.S. (University of Notre Dame)

Abbie Louise Fields, Cleveland
B.A. (Case Western Reserve University)

Philip Gregory Fields, Maineville
B.A. (Dartmouth College)

Donald Lee Fisher, Youngstown
B.S. (Youngstown State University)

Michael Scot Fishman, Southfield, MI
B.S., M.S. (University of Michigan)

Robert Marvin Freedy, Columbus
B.S. (University of North Carolina)

Stephen W. Fry, Trenton
B.S.

Elaine Knoll Gaglione, Dayton
B.S.

Charles Joseph Gbur, Jr., Youngstown
B.S. (Youngstown State University)

Timothy John Gelety, Cleveland
B.S. (Cleveland State University)

Catherine Lee Getz, Upper Arlington
B.A. (Miami University)

John Harold Giesler, Sandusky
B.A. (University of Toledo)

Steven Michael Glanz, Pepper Pike
B.S. (University of Michigan)

Carol Ann Glessner, Beaver, PA
B.S. (Case Western Reserve University)

James Arthur Goudy II, Mt. Vernon
B.S.

Carol Jean Greco, Avon
B.S.

Thomas David Green, Delaware
B.A. (Case Western Reserve University)

Theodore Joseph Grieshop, Yorkshire
B.A. (University of Dayton)

Scott Dee Griffith, Kettering
B.A. (Albion College)

David Gene Haddock, San Juan, PR
B.S.

David Daniel Hagaman, Lima
B.S. (Bowling Green State University)

G. Kenneth Haines III, Streetsboro
B.S. (University of Akron)

John Trumbull Harlan, Athens
B.A., B.S. (Ohio University)

Sheldon Dean Henry, Sunbury
B.S.

John Joseph Hiestand, Old Fort
B.A. (Denison University)

Steven Marc Hirsch, Baltimore, MD

Greg C. Holland, Lancaster
B.S. (Ohio University)

Robert John Holloway, Euclid
B.S. (Bowling Green State University)

Howard Scott Howell, Barnesville
B.S. (University of Notre Dame)

Kathleen Couling Howell, Columbus
B.S. (University of Cincinnati)

Richard M. Howell, Fairview Park
A.B. (Kenyon College)

William Thomas Jacoby, Toledo
B.S. (University of Michigan)

Gary Michael Jasbeck, Cincinnati
B.S. (University of Colorado)

Venkata Ramakrishna Jayanthi, Toledo
B.S.

Bryan Dale Kaplansky, University Heights
B.S. (University of Michigan)

Sue A. Karnitis, Chagrin Falls
B.S.

Vitatus Joseph Karnitis, Columbus
B.S.

James Thomas Kelly, Jr., Lakewood
B.S.

Lee Allen Klopfenstein, Haviland
A.S. (Illinois Central College)
B.S. (Illinois State University)

David Scott Knechtges, Grafton
B.S.

James Michael Komer, Orrville
B.S. (University of Dayton)

Robert Michael Konstan, Akron
B.S.

Anita Pavlina Kovacic, Manhattan
Beach, CA
B.S. (Mount Saint Mary's College)

Ann Renée Koval, Dover
B.S.

Richard Paul Kratche, Willoughby Hills
B.A. (Harvard University)

Gerald Lee Kremer, St. Henry
B.S.

Stephanie Eileen Ladson, Columbus
B.A. (Wittenberg University)

Michael David Landes, Bucyrus
B.S.

Anna Margaret Lawson, Columbus
B.A.

Robert Bruce Leb, Canton
B.A. (Columbia University)

Howard Hahn Lee, Norton
B.S. (Case Western Reserve University)

Jeffrey Chun-Suk Lee, Seven Hills
B.A. (Case Western Reserve University)

Roger Hansoo Lee, Norton
B.A. (Case Western Reserve University)

Carol Catherine Lekan, Cleveland
B.S. (Kent State University)

John James Letterio, Marion
B.S. (Allegheny College)

Elliott Louis Levine, Columbus
B.S.

Robert Foster Lewe, Fostoria
B.A. (Case Western Reserve University)

Paul Douglas Lindower, Dayton
B.A. (Earlham College)

Anne Dunnam Littleton, Troy
B.S.

James S. Littman, Akron
B.A. (Miami University)

Eric Richard Lockhart, South Amherst
A.A. (Lorain County Community College)

Glenn Lopate, Cleveland
B.A. (Colorado State University)

Steven James Lucas, Dayton
B.S. (University of Dayton)

Richard Frank Macko, Mineral Ridge
B.A. (Hiram College)

David Bryan Manning, Chillicothe
B.A. (Wake Forest University)

Diane Carol Manos, Delaware
B.A. (Ohio Wesleyan University)
B.S.N. (Case Western Reserve University)

Richard Brook Manton, Lakeside
B.A. (University of Toledo)

Steven Linn Markowitz, Cleveland
B.S.

Anthony Andrew Mascia, Fairfield, CT
B.S.

Jeffrey Floyd McAdoo, Warren
B.S. (Carnegie-Mellon University)

Mary Jude McCafferty, North Olmsted
B.S. (John Carroll University)

John Merrill McKinney, Jr., Cincinnati
B.A. (Miami University)

Timothy Raymond McMullen,
Austintown
B.S. (Kent State University)

David Stanley Medich, Steubenville
B.S.

Anthony Alan Meluch, Fairview Park
B.A. (Saint Louis University)

George McDowell Messick, Columbus
B.A.

Jeffrey David Miller, Upper Arlington
B.S.

Roger Alan Miller, Lancaster
B.A. (Ohio Wesleyan University)

Susan Kalus Miller, Cleveland
B.A.

Linda Cheryl Mitchell, Cuyahoga Falls
B.S.

Thomas Andrew Morse, Pickerington
B.A. (Capital University)

Katherine Swan Munts-Rutherford,
Granville
B.A. (Brown University)

Mary Ann Myers, Glandorf
B.A. (University of Toledo)

Dennis E. Newland, Tupper's Plains
B.S.

Eric Allen Nofzinger, Whitehouse
B.A. (Miami University)

Michael J. O'Grady, Palas Park, IL

Beverly VandenBoom O'Neill,
Miamisburg
B.A. (University of Cincinnati)

Debora Ann Ortega, Port Clinton
B.S. (Stanford University)

Elizabeth Fisher Pallante, Grosse Point
Farms, MI
B.S. (University of Notre Dame)

Martin Michael Pallante, Canfield
B.S. (University of Notre Dame)

Karl Steven Pappa, Independence
B.S., Pharm.D.

Janice Lynn Park, Dayton
B.S. (Indiana University)

John Joseph Parker, Newark
B.A.

Helen Irene Pelecanos, Mentor
B.A. (Kenyon College)

Peter James Pema, Upper Arlington
B.S.

Cheryl Ann Penkowski, Mentor
B.S.Ch.E. (Purdue University)

David Philip Perkins, Riverside, CT
B.S. (Duke University)

Mark Thomas Peters, Tallmadge
B.S.

William John Petersilge, Newark
B.A. (Miami University)

Suzanne F. Peterson, Columbus
B.S. (University of Minnesota);
M.S. (Colorado State University);
D.V.M. (University of Illinois)

Thomas Michael Picklow, Cleveland
B.A. (Case Western Reserve University)

James Craig Pile, Willoughby Hills
B.A. (The King's College)

Kristine Louise Prenger, Minster
B.S. (Bowling Green State University)

Kent Leroy Ramsey, North Canton
A.S. (Ohio Valley College);
B.S. (David Lipscomb College)

Thomas John Redington, Jr., Paoli, PA
B.S. (Miami University);
M.B.A. (Xavier University)

John David Reisman, Columbus
B.A. (Emory University)

John Thomas Renz, Brecksville
B.A. (Miami University)

Julie Pauline Rindler, Kettering
B.S. (University of Dayton)

Jay Alan Roskoph, Shaker Heights
B.A. (Emory University)

Lawrence Brian Rothstein, Dayton
B.A. (Miami University)

Robert Dean Rupert, Jr., Poland
B.A. (Kent State University)

Ellen Corrine Sackett, Wellston
B.S.Nurs.

Julia Ann Sammons, Kettering
B.S. (University of Dayton)

Laura Elena Sánchez, Lorain
B.A. (Bryn Mawr College)

Michael Keith Sauter, Chambersburg, PA
B.A. (Shippensburg State College)

Michael Liguore Scavina, Youngstown
B.A. (Columbia University)

Phillip Michael Schirck, Hubbard
B.S.Ch.E. (Youngstown State University)

William Richard Schmidt II, North
Canton
B.S.

David Lyle Schumacher, West Milton
B.S. (Ohio Northern University)

Scott J. Schurman, Glenview, IL
B.A.

Norman Allan Schwartz, Beachwood
B.S.

Kenneth Howard Segel, Pepper Pike
Sc.B. (Massachusetts Institute of
Technology)

Donna Jean Sexton, Valley View
B.S.

Eileen Hewitt Sheets, Lake Milton
B.S. (Youngstown State University)

Ralph Edward Shrider, Paulding
B.S. (Siena Heights College)

Seth Jon Silberman, Wayside, NJ
B.A. (Franklin and Marshall College)

Celeste M. Sinton, Phoenix, AZ
B.A. (University of Denver)

Townsend Smith III, Aliquippa, PA
B.A. (Slippery Rock State College)

Gary Lowell Smoot, Lucasville
B.S.

John Phillip Sotos, Columbus
B.S.

Richard Neil Southard, Columbus
B.S. (Haverford College)

Genevieve Marie Spittler, Garfield
Heights
B.S. (John Carroll University)

Karen Andrea Spletzer, Cincinnati
B.A. (University of Toledo)

Gregory Douglas Stein, Sandusky
B.A. (University of California at San
Diego)

Karl Edward Steinberg, Cleveland
Heights
B.A. (Harvard College)

Mark Edward Stevenson, Cleveland
B.S.

Steven Paul Strobel, Norton
B.A. (Kent State University)

David Edward Subler, Versailles
B.S. (University of Dayton)

Janet Arline Nelson Sullivan, Salt Lake
City, UT
B.A. (Antioch College)

Cynthia L. Swart, Fairfield
B.A. (Anderson College)

Patrick Joseph Sweeney, Euclid
B.S. (University of Notre Dame)

Steven Edward Swift, Centerville
B.A. (Miami University)

Jenifer Marie Takats, Rossford
B.S.

Joseph Edward Temming, Cincinnati
B.S. (Xavier University)

Michael Wheatley Thomas, Ashley
B.S. (Ohio University)

Thu Ngoc Tran, Columbus
B.S.

John Chen Tsai, Rocky River
A.B. (Miami University)

Jeanne Marie Falgui Tugaon, Parma
B.S.

John Falgui Tugaon, Parma
B.S.

Ruth Elizabeth Uveges, Berea
B.S. (The College of William and Mary)

Joseph David Varley, Warren
B.A. (Oberlin College)

James Walter Whetstone, Millersport
B.S. (Muskingum College)

Steven Lee Willett, Greenfield
B.A. (Ohio Wesleyan University)

Michael Buttimer Williard, Columbus
B.S. (University of Notre Dame)

Linda Louise Woodyard, Columbus
B.S.Nurs.

Catherine Joan Yeagley, Salem
B.A. (Drake University)

Margaret Susan Young, Athens
B.S. (University of Wisconsin)

Joseph Peter Sekiguchi Yu, Tiffin
B.S.

Robert Paul Zaino, Xenia
B.A. (Saint Louis University)

Robert Edward Zimmerman, Akron,
B.S.

Bachelor of Science in Allied Health Professions

Deborah Lynn Adrian, Chardon
David Conrad Aebker, Lima
Muna Alaseer-Robinson, Gahanna
David Joseph Alianiello, Altoona, PA

Laurie Jean Almeida, Cincinnati
Mark Allen Antal, Ravenna

Donald George Bahna, Sylvania
Patricia Diane Bella, Columbus

Jennifer Rachel Bible, Clyde
Rebecca L. Blair, St. Clairsville

Alison Lee Bolton, Beaver Creek
Laurie Renee Booth, Maumee

Beth Ann Boyer, Waverly
Mark William Brail, Ashtabula

Kelley Virginia Brantley, Fairfield
Anne Catherine Brown, Dayton

Ginger Kay Bruce, Westerville
Susan Davis Bryant, Cleveland

Michael Gallagher Buell, Greenville
Janet Marie Byers, Steubenville

Steven Michael Canter, Reynoldsburg
Mark James Carroll, Berea

Suzanne Greathouse Coffman, Columbus
Michelle Anne Collins, Burton

Michael Andrew Cooley, Hamilton
Debra Sue Copeland, Urbana

Marta Joyce Cordones, Warren
Cecile Roberta Craig, Orient

Mark Eugene Crank, Niles
Karen Lynette Culler, Stryker

Deborah Ann Davenport, Bellevue
Chris Davis, New Waterford

Joni Lynn Davis, Girard
Kathleen Mary DeFranco, Bedford
Heights

Deborah Sue DeGlopper, Grand
Island, NY

Steven Develen, Middletown
Mary Beth Devine, Columbus

Dorothy Sue DeWeese, Sidney
Kara Michelle Doyle, Cincinnati

Brett Douglas Duffner, Ontario
Leigh Ann Duffy, New Boston

Mark Thomas Ellison, Maineville
Joseph Michael Eschman, Cortland

Susan R. Fairman, Cincinnati
Sharon Kay Flynn-Nelson, Dayton

Scott Alan Franczy, Bay Village
Dennis James Franko, Seven Hills

Lori Ann Frantz, Versailles
Teresa Marie Fritz, Norwalk

Shari Lynn Fullenlove, Galion
Kelly Jo Garman, Germantown

Lisa Ann Garrison, West Salem
Joan Marie Gigliotti, Solon

Janel Sue Gorrill, Fostoria
Peter Paul Grabaskas, Toronto

Laura Theresa Green, Toronto
Barbara Sander Greivenkamp, Cincinnati

Tamara Marie Hacker, Campbell
Betsy Ann Hagan, Hillsboro

Penny Louise Hampton, Urbana
Lisa Jean Harper, Chillicothe

Lorelei Edith Heineman, Zanesville
Jill Renee Hickenbottom, Woodsfield

Susan Marie Hickey, Euclid
Joy Elizabeth Hiener, Marietta

Sheryl Louise Hinz, Mansfield
Debra H. Holzinger, Dayton

Michael Sean Huffman, Bloom-Carroll
Denise Michele Hyde, Gustavus

Dana Patrick Jeter, Coal Grove
Timothy Scott Jobst, Cincinnati

Patricia Kathleen Johnson, Perrysburg
Helen Maria Kanters, Massillon

Susan Diane Katz, Columbus
Cheryl Lynn Kelbley, Fostoria

Colleen Marie Kelleher, Alliance
Laura Kay Kessler, New Riegel

Karen Sue Kirk, Elyria
Debra Ann Klein, Huber Heights

Kathryn Louise Knuth, Lyndhurst
Mark Michael Kormos, Chagrin Falls

Susan Marie Kovach, Mayfield Heights
Laurie Jo Kreuz, Delta

Richard Louis Lehmann, Lyndhurst
Wallace Hugh Linville, Lima

Paula Jean Lott, Columbus
Suzanne Macha, Olmsted Falls

Patricia Louise Markham, Worthington
Julie Ann Matson, Cloverdale

Patricia Kay McAfee, Cincinnati
Diane Lynn McGuire, Girard

Amy Sue Meier, Montpelier
Krista Ann Middelthon, Copley

Kathleen Ann Milliken, Bowserston
Christopher Paul Miloscia, Shaker
Heights

Richard Patrick Moore, Mechanicsburg

Sheila Louise Moorman, Minster

Laura Rose Moran, Marion

Deborah Lynn Morgaz, Mogadore

Frank Stephen Moran, Columbus

Melissa Sue Morse, Marysville

Donna Lee Mowry, Acme, PA
Nancy Ann Nezbeth, Sebring
Adrienne Sue Nicholas, St. Paris
Gregory Robert Nichols, Columbus
Susan Grace Noland, Marion
William Bernard O'Brien, Chesterland
Don Carl Pape, Cincinnati
Todd Thomas Park, Newark
Loreen Schiely Patton, North Olmsted
V. Michael Paulins, Delaware
Jacqueline Ann Pax, Grand Island, NY
Linda Marie Pax, Coldwater
Josephine Ann Pellegrino, Yorkville
Monique Yvonne Peyton, Pataskala
Annette Marie Pezzutti, Pickerington
Amy Beth Potocsnak, Canton
Julie Rowland Pulido, Westerville
Sarah Joan Reed, Norwalk
Patricia Ann Reile, Upper Sandusky
Beth Amber Remy, Galion
Michelle Elaine Rheinecker, Cincinnati
Laura Maria Riedinger, Randolph
Caroline Mary Rieser, Columbus
Laurie Ann Rinehart, Waldo
Janet Sue Robinson, Washington Court
House
Ann Elizabeth Roebuck, Bryan
Anne Elizabeth Roekner, Kettering
Christine Marie Rosengarten, Ottawa
Margaret Ellen Saltis, Bay Village
James Earl Schneider, Amherst
Peggy Anne Schotzinger, Tallmadge
Joyce Ann Schrimpf, Jefferson City, MO
Mary Ellen Schumacher, Louisville
Stephen Schupp, Columbus
Sandra Jo Seeberger, Kettering
Sandra Marie Sengewalt, Twinsburg
Julia Margarita Sicard, Hartville
Karen Jean Simco, Brookfield
Dean Francis Skurka, Cincinnati
Ann Lynn Smith, Wellsville
Susan McMullen Smith, Columbus
Megan Joan Spellacy, Rocky River
Lorene Janet Staley, Forest
Ann Marie Stammern, Rossburg
Sonja Ann Stotz, Milan
Brian Todd Stukey, Belpre
John Talanca, Jr., Warren
John Bernard Tanner, Bexley
Constance Marie Thiel, Wharton
Douglas N. Tidwell, Dayton
Carolyn Sue Torer, Euclid
Melissa Ann Touse, North Canton
Lynn Michele Towner, Ashtabula
Steven Brett Trattner, Pepper Pike
Monica Velandia, Defiance
Beth Ellen Ventresca, Akron
Kyra Ellen Vronick, Mogadore
Lynn Ann Walderzak, Huron
Beth Ann Watson, Westerville
Emily Hoffman Watson, Sea Girt, NJ
Katharine Margaret Wenneman,
Cincinnati
Joan Louise Wherley, Dover
Pamela Ruth Whitaker, Worthington
Timothy Patrick Whitford, Cleveland
Carolyn Wilkinson, Euclid
Carol Marie Williard, Solon
Karen Marie Wilson, Stow

Wendy Sue Wilson, Broadview Heights
Diane Marie Winters, Mentor
Denise Ann Woltman, Canton
Jill DeAnn Wright, Kenton
Sherrie Lynn Yake, Marion
Gary Walter Zamski, Adena
Lori Lynn Zebrowski, Strongsville

Certificate of Post Baccalaureate Circulation Technologist

Gwen Marie Miller, Lima

Certificate of Study in Medical Communications

Ellen Jacobson Marino, Columbus

Certificate of Study in Medical Record Administration

Shelley Ann Leister, San Antonio, TX

Certificate of Study in Physical Therapy

John Paul Accrocco, Kettering

College of Nursing

Dean: Carole A. Anderson

Bachelor of Science in Nursing

Dawn Marie Aguiar, Independence
Tracey Jo Ann Allen, Cadiz
Jennifer Marie Appulese, Youngstown
Susan Elaine Armstrong, Worthington
Amy Ann Bartok, Columbus
Judith Anne Bauer, Worthington
Karen Lee Beck, Lakeview
Anita Ann Belmaggio, Warren
Michele Lee Benjamin, Medina
Sharon Ann Berger, Columbus
Kathryn Doty Betz, Westerville
Laura Sue Blackburn, Lisbon
Marylinda Bolen, Columbus
Jacqueline Ann Buchman, Newark
Jennifer Jo Burger, Killbuck
Luzminda Calo-Jerkins, Angeles City,
Philippines
Rose Ann Carducci, Brunswick
Chien Wen Chen, Medina
Rebecca Lynn Clark, Dayton
Lynda Rae Clouse, Columbus
Rhonda Louise Coleman, Lima
Ann Nauman Cotterman, Columbus
Barbara Euton Culbertson, West
Portsmouth
Sara Nell Daiber, Oregon
Kimberly Lynn Davis, Uniontown
Lisa Ann Davis, Marysville

Amy Elizabeth Dawson, East Liverpool
John Paul Dawson, East Liverpool
Pamela Jo Dawson, East Liverpool
Peggy Sue Deakins, Columbus
Michael DeFilippo, Islip, NY
Donna Michelle DeLuca, Cleveland
Julie Ann Diemer, Defiance
Sheryl Anne Dietsch, Dublin
Cindy Louise Drought, Henrietta
Rebecca Lynn Edwards, Worthington
Gina Colleen Evans, Orient
Kim Marie Feltnr, Columbus
Christina Marie Ferguson, Huber Heights
Karen Sue Ferrell, Findlay
Lori Ann Fisher, Columbus
Christine Marie Flechler, Norton
Beth Anne Franko, Euclid
Jill Ann Frazee, Grove City
Christine Marie Gallagher, Sandusky
Gay Lyn Garrett, Newark
Roxanne G. Gelios, Archbold
Ann Louise Gerding, Hillsboro
Nicole Marie Girouard, Covington
Stephanie Ann Glesenkamp, Columbus
Marion Elizabeth Goepferich, Dayton
Debra Ann Goettge, Mansfield
Mary Jo Gonyias, North Canton
Kathleen Joanne Gonzales, Uhrichsville
Sharon Leigh Goree, Columbus
Deborah Ann Gries, Macedonia
Patricia Ann Grillo, Jackson
Amy Elizabeth Groenke, Cincinnati
Lori Ann Hamilton, Gallipolis
Trudy Marie Hammer, Madison
Phyllis Debra Handwerk, Mt. Vernon
Jill Kathleen Haymond, Mansfield
Kimberly Louise Hays, Steubenville
Mary Katharine Heitman, Napoleon
Sonya Kay Herbold, Columbus
Julia Marie Hessebauer, Pickerington
Sherry Jean Hiner, Greenford
Katharine Lois Rudy Hoffer, Columbus
Kimberly Sue Hoffman, Lancaster
Paula Elizabeth Holmes, Lockbourne
Catherine Ann Holonitch, Upper
Arlington
Diana Carol Howard, Westerville
Annette Lisa Hrusch, Chesterland
Carol Jean Hunter, Carey
Lori Jane Inman, Hamilton
Julie Ann Johnson, Columbus
Jeffery Alan Johnston, Port Clinton
Cheryl Anne Joy, Rocky River
Jamie Beth Kaplin, Columbus
Sheila Frances Kelly, Euclid
Lisa Annette Kettler, Anna
Tamra Krouskoupf Kincer, Zanesville
Dawn Renee Kinsler, Cardington
Wendy Sue Klingler, Ada
JoAnn Marie Knapke, Columbus
Jeannette Maryse Koch-Jager, Columbus
Maureen Elizabeth Korte, Medina
Ann Kortyna, Broadview Heights
Mary Elizabeth Kozel, Columbus
Amy Elizabeth Kozelek, Columbus
Roberta Jeanne Kress, Massillon
Collette Marie Kreuz, Canton
Drusilla Ann Krites, St. Marys
Linda Marie Kukor, Columbus

Lisa Marie Lambert, Massillon
 Stefanie Dianne Lanier, Jackson
 Beth Ann Lawson, Cardington
 Mary Elizabeth Leonard, Fairview Park
 Pamela Lorraine Lewis, Cleveland
 Susan Antonette Lewis, Brunswick
 Elizabeth Anne Libby, Woodfield
 Simone Martina Lisac, Euclid
 Louise Leach Long, Rock Falls, IL
 Wendy Jill Long, Worthington
 Laura Lynne Longnecker, Covington
 Amy Kruse Lynn, Pemberville
 Mary Susan Manofsky, Uniontown
 Constance Dimitrios Marousis, Lorain
 Judy Ann Mascazine, Mansfield
 Pamela Marie Mason, Parma
 Thomas Joseph Maulorico, Parma
 Peter Anthony May, Seven Hills
 Jennifer Laurie McCoy, Berea
 Lori Ann Medich, Steubenville
 Barbara Jo Mendenhall, Ludlow Falls
 Sharon Lee Midolo, New London
 Tawnya Elaine Miller, Galion
 Sharalyn Elaine Milliken, Minerva
 Dawn Christine Modic, Chardon
 Wendy Lee Morrow, Medina
 Susan Marie Murphy, Westlake
 Yung Sun Ng, Whitehall
 Jill Renee Nickel, Hudson
 Lisa Marie Oklok, Wintersville
 Kimberly Massengill Pak, Columbus
 Michele Therese Parker, Worthington
 Susan Marie Pelc, Broadview Heights
 Joann Michelle Petro, Youngstown
 Alison Dorothy Philip, Toledo
 Jamie Lynn Pipes, Lakeville
 Lori Beth Priebe, Fort Lauderdale, FL
 Sara Kaye Prince, Frankfort
 Melinda Lee Provost, Washington Court
 House
 Hildegard Florine Prunte, Columbus
 Patricia Anne Pyne, Painesville
 Lisa Ann Raimonde, Defiance
 Sheryl Louise Reif, Newark
 Lorene Terese Reisenfeld, Solon
 Gayle K. Reser, Bucyrus
 Lisa Marie Riblet, Worthington
 Victoria Lynn Riley, Chester, CT
 Kerry Rene Roberts, Middletown
 Kathy Jo Rodgers, Coshocton
 Mary Ann Romaniw, Grove City
 Gretchen Ann Ronshausen, Circleville
 Annette Marie Russell, Hilliard
 Nancy Elaine Ryan, Dayton
 Catherine Mary Salvatore, Akron
 Lynne Victoria Sawicki, Toledo
 Michele Marie Scarpelli, Elyria
 Jill Marie Schaefer, New Carlisle
 Elisa Sue Schaffer, Cincinnati
 Annette Kathy Schuster, Mansfield
 Joan Catherine Seitz, Toledo
 Cheryl Ruth Sharp, Columbus
 Jan Ellen Sheneman, Fresno
 Mary Margaret Shults, Beachwood
 Kathryn Joan Simco, Brookfield
 Eileen Sirridge, Columbus
 Susan Wingenfeld Sizler, Cleveland
 Ann Marie Smith, Columbus
 Lynne Wilkins Smith, Mansfield

Loretta Jane Sommer, Steubenville
 Sally Souder, Amherst
 Julie Lynn Spikerman, Akron
 Neva Marie Spires, Breman
 Dawn Elaine Stallkamp, Lima
 Amy Marie Stamper, Springfield
 Stephanie Marie Steve, North Olmsted
 Julianne Renee Stober, Mogadore
 Dawn Marie Sturtz, Columbus
 Rebecca Ellen Styers, Delaware
 Joyce Ann Suever, Delphos
 Sally Ann Sutter, Akron
 Beth-Ann Thompson, Shelby
 Maureen Elise Thompson, Columbus
 Susan Lynne Tobin, Cincinnati
 Di Ann Topp, Mechanicsburg
 Le Thanh Thi Tran, Mansfield
 Cheryl Ann Van Buren, Kirkersville
 Amy Lynn Vartorella, Berlin Heights
 Jean Kostryk Waibel, Cleveland
 Janice Kaye Walters, Dayton
 Julie Anne Wermelskirchen, Chesterland
 Deborah Ellen White, Huntsburg
 Tracie Lynn Whitehouse, Hartford
 Kathryn Sue Winefordner, Columbus
 Ann Marie Wohlwender, Cincinnati
 Angela Carol Wright, Coshocton
 Virginia Lynn Yeary, Fairborn
 Amy Ann Zenni, Cincinnati
 Deborah Kay Ziemanski, Whitehall

Denise Leatta Gutman, Piqua
 Margaret Ann Hamilton, Dayton
 Thomas H. Handel, North Canton
 Marsha M. Huff-Mollica, Columbus
 Daniel Mark Jackson, Columbus
 Gregory Jay Knight, Norton
 Douglas John Machiela, Columbus
 Barbara Lynn Malik, Port Clinton
 Daniel Raymond Martin, Mantua
 Derek Thomas Mellott, Columbiana
 Andrew Steven Miller, Columbus
 Thomas Edward Nye, Fostoria
 James Bradley Oatney, Columbus
 Larry Dennis Oxenberg, Columbus
 Rosemary Rita Perl, Massillon
 William Joseph Prothero, Columbus
 James Paul Raymond, Canton
 Philip Charles Reiheld, Orrville
 Janet Kay Ross-Comstock, Columbus
 Patricia Caroline Schwartz, Lorain
 Thomas A. Scullion, Salem
 Peter E. Sforza, Jr., Girard
 Susan Lynn Speidel, Cincinnati
 Christopher Alan Stanwick, New
 Matamoras
 Joseph Benjamin Studebaker, Union
 Andrew Szasz, Chesterland
 William R. Tanner II, Sebring
 William Kurt Theodore, Canfield
 Ellen Linda Vakaleris, Columbus
 Cindy Yvette Weiland, Washington Court
 House
 Douglas J. Wine, St. Mary's

College of Optometry

Dean: Frederick W. Hebbard

Doctor of Optometry

Randall Ralph Alessi, Tiltonsville
 J. Eric Atkinson, Columbus
 Lidija Marija Balciunas, Cleveland
 Diana Barnett, Columbus
 M. Christopher Barry, Columbus
 Christine Lynn Beiling, Columbiana
 James Gordon Beisel, Copley
 Charles E. Belles, Columbus
 Mark A. Bidlack, Leipsic
 Douglas Wayne Bloss, Columbus
 Anna R. Bodner, Cambridge
 Karen Dawn Bohman, Pepper Pike
 Carol Louise Brown, Columbus
 David Kenneth Burns, Jamestown
 Samuel G. Carifa, Columbus
 Burt S. Carlson, Conneaut
 Rick A. Cherry, Columbus
 Paul Marc China, Seneca Falls
 Todd Ernest Chontos, Martins Ferry
 Timothy Leo Comstock, Columbus
 Steven Jon Curtis, Columbus
 Donald G. Davison, Kitts Hill
 Paul Edward Dennis, Columbus
 Jeffrey Robert Durkin, Barberton
 Nancy Ann Evans, Columbus
 Janet Rose Fett, Sioux Falls, SD
 Douglas John Garbig, Greenville
 Ronald Joseph Gaudio, Columbus
 Katherine Lynn Geyer, Columbus
 David L. Glassco, Columbus

College of Pharmacy

Dean: Albert H. Soloway

Bachelor of Science in Pharmacy

Najwa S. Abubaker, Kuwait
 Ron Elijah Anisfeld, Haifa, Israel
 Grace Helene Arnot, Sylvania
 Ann Margarette Basista, Niles
 George Martin Blake, Fairborn
 Kimberley L. Brantley, Fairfield
 Dean Lucas Carson, Ashland
 Lydia Ellen Dalhamer, Carlisle
 Joseph Anthony Dalonzo, Wellsville
 Douglas DelPaggio, Parma
 Lisa Rae Dietrich, Ashtabula
 Mary Elizabeth Dimuzio, Austintown
 Karen Marie Dinger, Tiffin
 Robert Jules DuPont, Jr., Columbus
 Philip Lee Early, Alliance
 Daniel Smith Finley, New London
 Regina Victoria Garcia, Chesterland
 Cindy Lou Gary, Bridgeport
 Elizabeth Mwihaki Gitau, Nawasha,
 Kenya
 William Roy Hoover, Warren
 Keith Wayne Hostetler, Orrville
 Paula Kay Jung, Elyria
 Shelley Davis Kayle, Akron
 Kristine Ann Kingsbury, Massillon
 Elizabeth Anne Klingler, Columbus
 Mark Thomas Lawrence, Pataskala

Laura Sue Lile, Ada
 Beth Ann Long, Akron
 Harry Chalmers Loucks IV, Danville
 Diane Marie Lyle, Spring, TX
 Michele Rae McKay, St. Clairsville
 Gregory Charles Michaels, Independence
 Mary Agnes Mills, Bloomingdale
 Michael Ervin Moehrman, Columbus
 Kenneth William Moss, Ravenna
 Ronald William Myers, Boardman
 Amy Elizabeth Neal, Kenton
 Priscilla WunShoon Ngai, Hong Kong
 Sheryl Sue Oberly, Urbana
 Joseph Simmons Ohr, Youngstown
 Robert William Pfeifer, Columbus
 Gil Ari Pomeranz, Yellow Springs
 Stephen John Ricci, Columbus
 Jeffrey Stephen Richardson, Columbus
 Amy Loretta Riedinger, Randolph
 Jean Ann Schott, Bolivar
 Rosalie Beth Sigall, Columbus
 Jennifer Sue Spidle, Columbus
 Alice Lynn Swisher, Perrysburg
 Todd Andrew Temelkoff, Canfield
 Christ John Titoras, Warren
 Trudi Rae Truex, Bellville
 Thomas Gregory Urchek, Warren
 Michael David Warmuth,
 Wyomissing, PA
 Todd Michael Wetherill, Columbus
 Mary Ann Worthington, Jackson

College of Social Work

Dean: Richard E. Boettcher

Bachelor of Science in Social Work

Laurie Ann Ahles, Mansfield
 Robin Maria Allen, Canton
 Jennifer Lynn Amidon, Bellefontaine
 Tracey Lynne Bailey, Springfield
 Robert Eugene Bayles, Jr., Marion
 Corey Todd Beard, Fremont
 Michael Charles Berry, Wooster
 Tracy Marie Boyer, Wheelersburg
 Eileen Regina Boyle,sylvania
 Mredith Lucille Brown, Shelby
 Traci Lee Bulen, Westerville
 Marianne Sue Burket, Grove City
 Veronica Lynn Carpenter-Groff,
 Mansfield
 Laura Susan Cipolaro, Pompton Lakes, NJ
 Renee Diane Collingsworth, Worthington
 Diane Darrah, Randolph
 Pamela Sue Davis, Columbus
 David Lance Desender, Coshocton
 Moira Jean Dugan, Lakewood
 Elizabeth Natalie Egyes, Lorain
 Wanda Denise Hanks-Sunderland,
 Columbus
 Lori Harrison, Youngstown
 Tammy Louise Hauck, Miamisburg
 Gloria Ford Hayes, Reynoldsburg
 Theresa Marie Hedges, Cleveland
 Pamela Ann Himons, Cleveland
 Christine Hinkley, Cambridge

Linda Ann Hirz, North Olmsted
 Amy Jo Hurley-Cooper, Washington
 Court House
 Jeanne Katterine Knowles, Cleveland
 Heights
 Karen Lorine Kuhn, Columbus
 Jacquelyn Ann Lucke, Lima
 Gina Coteal Massey, Springfield
 Anne Francine May, Upper Arlington
 Wanda Ann Price Miller, Columbus
 Luan Mizer, Cadiz
 Cheryl Lynne Molter, North Royalton
 Catherine Rebecca Moore, Buffalo, NY
 Leah Rochelle Wishnia Mueller,
 Louisville, KY
 Vicki Lynne Murphy-Dillow, Columbus
 Monica Lynn Musko, Marion
 Margaret O'Brien-Stose, Marion
 Barbara A. Pavichevich, Columbus
 Cheryl Ray Pettit, Worthington
 Lori Lee Ricketts, Belle Center
 Donna Jean Riepenhoff, Lima
 Phyllis Kay Ritter, Columbus
 Janice Ann Roberts, Columbus
 Cynthia Joy Rubinoski, McKees
 Rocks, PA
 Michael Edward Sexton, Cincinnati
 Rowane Dee Burdette Sloan, Las
 Vegas, NV
 Antoinette Teresa Spriggs, Norwalk
 Melissa Jane Stewart, Norman, OK
 Sandra Lynn Sullivan, South Charleston
 John Edward Tatro, Davison, MI
 Cynthia Eileen Tofanelli, Stow
 Lisa Beth Vendeland, Lyndhurst
 Christine Sue Weaver, Columbus
 Gregory Warren Weiss, Fairview Park
 Michael Benjamin Williams, Bristol, CT
 Michelele LuAnn Willis, Cleveland
 Jennifer Ann Winslow, Kettering
 Shelley Ann Wolf, Beachwood

College of Veterinary Medicine

Dean: Ronald A. Wright

Doctor of Veterinary Medicine

Greg Clayton Allen, Ashland
 B.S.
 Laura Anderson, Columbus
 B.S. (University of Connecticut); M.S.
 Mark Edward Bailey, Omaha, NE
 B.S. and M.S. (Purdue University)
 Denise Raymont Ballinger, Uniontown
 B.S.
 Bradley Eugene Berkelamp, Sidney
 B.S.
 Elizabeth Anne Blakelock, Yellow Springs
 B.S. (University of Kentucky)
 Richard Allen Blose, Green Brook, NJ
 B.S. (Rutgers University)

Molly Sue Bopp, Whitehouse
 Eva Maria Bostek, Butler, NJ
 B.S. (Cornell University)
 John Russell Burr, Warren
 B.A. (Hiram College)
 Carol Louise Butler, Clinton, NY
 B.S. (Cornell University)
 Elizabeth Farnum Carrico, Columbus
 B.S. (Berry College);
 M.S. (Case Western Reserve University)
 Amy Godwin Carter, North Royalton
 B.S. (Cleveland State University)
 Robyn Janine Carter, Cygnet
 B.S.
 Andrea Joan Cecur, Stockton, NJ
 B.S. (Rutgers University)
 Michael Richard Cooper, Bladen, NE
 B.S. (University of Nebraska)
 David Conrad Corfman, Toledo
 Sallie Brent Cosgrove, Pittsburgh, PA
 B.S. (Kenyon College);
 M.S.
 Yvonne Marie Costa, Rio Piedras, PR
 Wendell Phillips Davis,
 Somersworth, NH
 B.S. (University of New Hampshire)
 Timothy Albert DeRosa, Burton
 B.A. (Millersburg State College)
 Sallee Ann Digonno, Fairfield
 B.S.
 Andrew Francis Dull, Cleveland Heights
 B.S., M.S. (Ohio University)
 Stanley William Duncan, Nebraska
 City, NE
 Carol Patterson Edwards, Baltimore, MD
 B.S. (West Virginia University)
 Samuel Paul Gallo, Twinsburg
 B.S. (Marietta College)
 Robert John Gaston, Enon
 B.S. (University of Dayton)
 LuAnn Geib, Jeromesville
 B.S.
 David Michael Getzy, Columbus
 Brian Christopher Gilger, Akron
 Jane Caroline Goecke, Dayton
 B.S. (Wright State University)
 Neil Howard Gray, Pepper Pike
 Beverly Janel Grospitch, Berea
 B.S.
 Nancy Marie Grzenda, Elyria
 B.S.
 Susan Lynn Gulzeth, Euclid
 B.S. (Lake Erie College)
 Mark Ivan Hackel, Columbus
 B.S.
 Mary Beth Hastedt, Mark Center
 B.S., M.S.

Edward Lewis Hayes, Oxford
A.B. (Miami University)

Suzanne Marie Henne, Carson City, NV
B.S. (College of Idaho)

Kevin Joseph Hennessy, Carey
B.S. (Defiance College)

Keith Robert Hildebrand, Canfield
B.A. (Wittenberg University)

Gary Nelson Holmes, Glen Burnie, MD
B.A. (University of Maryland-Baltimore)

Amy Jeanne Holstein, Baltimore, MD
B.S. (Towson State University)

Aaron Kendall Horch, Westerville

Jenifer Hren, Mt. Vernon

Brian Clair Huntsman, Leipsic

Richard James Hurley, Columbus
B.S. (Stonehill College);
M.S. (University of New Hampshire)

Lynelle Rae Johnson, Cortland
B.A. (Case Western Reserve University)

Paul Donald Jones, Marysville

Barbara Hogya Kelleher, Fairfield
B.S. (University of Cincinnati)

Nancy Lee Kelso, Columbia, MD

Shari Annette Kennedy, Johnstown
B.S.

Theresa Bernadette Klimko, Columbus
ADN, RN (Hocking Technical College)

Michael Howard Knically, Pepper Pike
B.S. (Colorado State University)

Douglas Edward Knueven, Cincinnati

Holly Lynn Kossuth, Bruceton Mills, WV
B.S. (West Virginia University)

Jennifer Marie Lance, Ashland
B.A. (College of Wooster)

Robert Michael Lann, Willoughby

Paul Pierre LeCompte, Dover, NH
B.S. (University of New Hampshire)

Arnold Ira Leeb, Pickerington
B.S.

Tracy Ann Leonard, Kettering
B.S.

Bradford Tracy LeVora, Wooster

Brad Leo Lingenfelter, Sparks, NV
B.S. (University of Nevada-Reno)

Angelika Marie-Louise Lingl, Chagrin
Falls
B.S. (Kenyon College)

Paula Karen Lundin, Wooster
B.S. (Widener College);
M.S.

Lori Kathleen Lutz, St. Marys
B.S.

Richard Andrew Mairs, Wooster

Robert Strother Mann, Lewisburg, WV
B.S. (West Virginia University)

Cynthia Louise Maro, Youngstown

Rhonda Rene Masterson, Somerset
B.S.

Kevin Scott McQuinn, Middletown
B.S.

John William Means, Jr., Cleveland
Heights
B.S., M.S.

Joyce Irene Merryman, Columbus
B.S.

Terry J. Miele, Belleville, NJ
B.S. (Rutgers University);
M.S.

Susan Phyllis Milder, Enon

Paula Fay Moon, Hinckley
A.B. (Grinnell College)

Charles Thomas Moxley, Barnesville
B.S.

Pamela Ann Myers, Whitesboro, NY
B.S. (Syracuse University)

Yasmin Idella Nehal, Akron
B.S., B.A. (University of Akron)

Julie Lynn Nestor, Wooster
B.S.

Robert Thomas O'Brien, Cincinnati
B.S. (University of Maine);
M.S. (University of Cincinnati)

Gary Paul Oswald, Cleveland

Nanette Peg Pasquini, Hasbrouck
Heights, NJ

Joel Walter Percival, Painesville

Kenneth Richard Pitzer, Columbus

Anthony Pototii, Renick, WV

Susan Jane Prescott, Weirton, WV
B.S. (Wheeling College)

Linda Baese Prosocki, Wauseon

James Marvin Raber, Columbia Station
B.S., M.S., Ph.D.

Elaine Jennifer Rauch, Little Hocking
B.S.

Anthony Peter Remillard, Harrison

Keith Richard Rohrer, North Canton
B.S.

Edward Patrick Rooney, Strafford, NH
B.S. (University of New Hampshire)

Carlton John Schlatter, Defiance
B.S.

Rolf Harlan Schwartz, Paradise
Valley, NV
B.S. (University of Nevada-Reno)

James Robb Scott, Poland
B.A. (Harvard University)

Rona P. Shapiro, Rockville, MD
B.S., M.S. (University of Maryland)

David Ira Shoup, Orrville
B.S.

Kathleen Vavreck Small, Westerville

Jeffrey Raymond Smiley, Solon
B.S.

Joseph Alton Smith, Cincinnati
B.S.

Robin Dorothy Smith, Uncasville, CT
B.S. (Trinity College);
M.S.

Sherrie Ridenour Smith, Mansfield
B.S.;
M.S. (University of Akron)

Patricia Ann Socha, Bellevue
B.S.

Beth Ann Springston, Tallmadge
B.S., M.S. (University of Akron)

Julie Ann Stotlar, Richmond Heights

Christine Jay Swardson, Athens
B.S. (University of North Carolina)

Suzanne Carole Terrant, Columbus
B.S.

Dennis Lyle Trautwein, Upper Sandusky
B.S.

Angela Marie Untisz, Perry

Michelle Lynn Vallee, Gallipolis
B.A. (Miami University)

Raymund Francis Wack, Dayton
B.S.

William Michael Wagner, Tiffin
B.S. (Heidelberg College)

John Joseph Weale, Forest Park
B.S., M.S. (Vanderbilt University)

Anita Ruth Weidinger, Williamsport

Victoria Ann Wendt, Columbia Station
B.S. (Baldwin-Wallace College)

Joan Elizabeth Wetta, Columbus
B.S.

Thomas William Wood, Lorain
B.A. (College of Wooster)

Andrew Anthony Yosick III, Dover

Cynthia Ann Trout Young, Zanesville

Daniel Paul Young, Hamilton
B.S. (Duke University)

Margaret Ann Young, Columbus
B.S.

Carl Andrew Zaboly, Chagrin Falls
B.S.

Scarlette Marie Zirkle, Bridgeton, NJ
B.S. (Virginia Polytechnic Institute &
State University)

Graduates with Honors

Criteria for graduating 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.

Summa Cum Laude designates those graduating in the top 3% of the class.

With Distinction in Agricultural Economics

Michael James Holt

With Distinction in Animal Science

Donna Marie Broermann

With Distinction in Biochemistry

David Gerard Myszka
Gregory Todd Schulte

With Distinction in Chemical Engineering

Scott Donald Barnicki

With Distinction in Environmental Interpretation

Diane Lee Rogers

With Distinction in Exercise Science Education

Lynn Kathryn Luthern

With Distinction in Natural Resources Development

Anthony Lawrence Gareau

With Distinction in Nutrition

Cynthia Louise Williams

With Distinction in Welding Engineering

Jon E. Blackburn

With Distinction in Zoology

Brian Scott Myers

With Honors in the Liberal Arts

Mitchell Wade Allen
Joseph John Batka, Jr.
Linda Yvonne Brent
Louis Steven DeLuca
Stephen Scott DeWeese
Howard Joseph Fellman
Marjorie Lynn Funk
Andrew Joseph Glass
Wayne Spencer Hall
Jeffrey Patrick Ingram
Elizabeth Ann Kleinhenz
Cynthia Marie Legg
Debbie Eyvonne McGhee
Christopher Michael Orabella
Mark David Perlman
David Andrew Pfarrer
Scott David Spera
Elizabeth Ann Wentz

With Honors in the Liberal Arts and with Distinction in French

Ronald Martin Borucki

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

Timothy Perry

Cum Laude

Mouine Hassib Abou-Zaki
Anne Marie Alter
Patricia Jo Anderson
Sandra K. Anderson
Mary Sollinger Applegate
Karen Arduini
Michael Alan Baird
John Perry Baker
Mary Katherine Balas
Joan U. Ball
Denise Raymond Ballinger
Catherine Ann Bannister
Angela Jane Barrett
Thomas Edward Barrett
Michael Craig Bartmess
Kelly Diane Bash
David Richard Behringer
Paul Michael Bellini
Michele Lee Benjamin
Patricia Connor Benson
Michael Robert Berberick
Richard Michael Berger
Dean Oliver Berlon
Rebecca L. Blair
Elizabeth Anne Blakelock
Richard Allen Blose
Markus Bonn
Janine Louise Bowen
Michelle Anne Boyer
Mitchell Andrew Brack
Shaun Patrick Brown
Timothy Kerr Buchanan
Jacqueline Ann Buchman
Traci Lee Bulen
Charles Alan Bulgrin
Raleigh Cathryn Burges
Laura Lynn Burton
Theodore Richard Campbell
Caren Lynn Carlisle
Burt S. Carlson
Mary Jean Carr
Beth Cleo Castrodale
Bernadette A. Champa
Rick A. Chery
Todd Ernest Chontos
Laura Susan Cipolaro
Andrew Lee Clady
Traci Ann Clark
Kimberly Ann Clary
Anne Elizabeth Cleveland
Nancy Ann Clinton
Gay Ellen Clodfelter
Brian Gary Cole
John Andrew Collet
Evagoras Demetriou Constantinides
Joni Anne Daniel
Jeffrey Allen Daugherty
Yael Davidovitch
Chris Davis
Cheryl Ann DeGood
Carrie Marie Delmoro
Gregory Lewis Denison
Marilyn Floyd Dennison
Bryan Douglas Dobbs
Joseph Edward Dohar
Sheryl Ann Dougherty
Jeffrey Mark Eakins
Gregory Mark Eberhart
Gabriel A. Edde
Elizabeth Natalie Egyes
Nancy Lee Emery
David Frederick Erf
Troy A. Evans
Steven John Farmer
Gregory Ray Feldman
Gary Lane Fenton
Janet Rose Fett
Ronald Alexander Figurella
Dorothy Marie Forte
Lance Andre Francis
Lori Ann Frantz
Jill Ann Frazee
Diane S. Frazier
Patrick Carl Friel
Gwenn Marie Gallenstein
Todd Eugene Gantzler
Timothy John Gardner
Lisa Ann Garrison
Cindy Lou Gary

Timothy John Gelety
 James Robert Gerhart
 Nancy Theresa Gerstner
 Rebecca Marie Gibbs
 Stephanie Ann Glesenkamp
 Kathleen Joanne Gonzales
 James Arthur Goudy II
 Thomas John Greenlee
 Barbara Sander Greivenkamp
 Paul Titus Griesmer
 Joan Elaine Grimes
 Cynthia Ann Guild
 Jean Patrice Haghiri
 Scott Robert Hahn
 Amy Farris Hamrick
 Gina Marie Handy
 Jonathan Eric Harper
 Todd Andrew Harrop
 Robert Justin Haschart
 Eric Edward Heckelman
 Marianne R. Helf
 Laura Ann Henning
 Allen Keith Herpy
 Rosie Marie Herren
 Anne Christine Herring
 Timothy Paul Hershner
 Mark Edward Hertel
 Sharon Lynn Hewes
 Stefani Jo Hines
 Ann Marie Hipsley
 Philip David Hisnay
 Michael James Hoffman
 Christine Marie Holderbaum
 Greg C. Holland
 Howard Scott Howell
 Kathleen Couling Howell
 Jenifer Hren
 David Cary Hudson
 James Paul Hurley
 Linda Ellen Hurwitz
 Stephen Anthony Ignasiak
 Paul Dominic Janini
 Cynthia Papesch Jaun
 John William Jaxtheimer, Jr.
 Lesa Faye Jenkins
 Donald Russell Johnson
 Robert Jeffrey Johnson
 Robert Lee Johnson
 Lisa B. Jones
 Scott Alan Jones
 Yvonne Marie Kanne
 Shelley Davis Kayle
 Diane E. Kayser
 Wendy Michele Kazinec
 Dan Joseph King
 Carol Marie Kleman
 Darlene Marie Kleman
 Ann Renee Koval
 Dean Allen Kreager
 Andrew Louis Kress
 Laura Ann Krietemeyer
 Drusilla Ann Krites
 Denise Marie Kukura
 Anne C. Kundert
 Robert Michael Lann
 Thomas Charles Lasik
 Kathy Lou Leach
 Douglas Edward Lehman
 Robert Foster Lewie

Laura Sue Lile
 Paul Douglas Lindower
 Lyle Stewart Lowry
 Lori Kathleen Lutz
 Athanasios Maggioros
 William Edwin Maginn
 Douglas Michael Magorien
 Robert James Maloney
 Cynthia Louise Maro
 Constance Dimitrios Marousis
 Robert Edward Marsico, Jr.
 Denise Anne Mazón
 Breck Kerr McCracken
 Kelly Lynn McWilliams
 David Stanley Medich
 Harold John Meldick, Jr.
 Anthony Alan Meluch
 Michele Marie Menegay
 Mark Howard Merrick
 Joyce Irene Merryman
 Anna Marie Meyer
 Natascha Miller
 Mindy Ellen Minkin
 Ali Moghaddar
 Kevin John Moore
 Michael Gregory Morgan
 Michael Edward Mozina
 Katherine Swan Munts-Rutherford
 Carolyn Suzanne Murley
 Vicki Lynne Murphy-Dillow
 Jan Alan Neiger
 Kathleen Mary Nelsen
 Kimberly Coreen Newsom
 Priscilla Wun Shoon Ngai
 Stephen Randall Nolen
 Margaret O'Brien-Stose
 Gary Paul Oswald
 Larry Dennis Oxenberg
 Jeffery Allan Oyster
 Virginia Kathleen Paap
 Martin Michael Pallante
 Karl Steven Pappa
 Kevin James Pascoe
 Troy Dwight Paskell
 Thomas Michael Paumier
 Cathy Ann Pavlov
 Robert Lee Payne
 Cheryl Ann Penkowski
 Marty Jo Peterson
 Susan Sheryl Petro
 Brian Keith Pikul
 Kristine Marie Podojil
 Donald Lawrence Potts
 Deborah A. Pozsonyi
 Kent Leroy Ramsey
 Sharon Kaye Randles
 Lorene Terese Reisenfeld
 Gayle K. Reser
 Joan Elizabeth Rich
 Julie Marie Ricker
 Laurie Ann Rinehart
 Janice Ann Roberts
 Janet Sue Robinson
 Jonathan David Robinson
 Julie Ann Roehrenbeck
 Sean Padraic Rooney
 Ronald Richard Ross
 Thomas Anthony Rossi
 David Nicholas Sauer

Michelle Eileen Sawyer
 Michelle Lee Schlotter
 James Robb Scott
 Robert John Searfoss
 Thomas Allen Selvage
 Sandra Marie Sengewalt
 David L. Shaad
 Susan Adele Shipman
 David Ira Shoup
 Cynthia Ann Shroyer
 Christine Marie Shupala
 Julie Margarita Sicard
 Adriane Lynn Siegendorf
 Joseph Alton Smith
 Debra Lynn Snyder
 Susan Carol Snyder
 Joan Bertschy Sonneborn
 Constantine Alex Soulas
 Megan Joan Spellacy
 Jennifer Lynn Spiker
 Neva Marie Spires
 Genevieve Marie Spittler
 Sandra Lynn Stalder
 Dawn Elaine Stallkamp
 Angela Jane Steiner
 Steven Olivier Stewart
 John Matthew Stokes
 Joseph David Suever
 Janet N. Sullivan
 Beth Ann Swanson
 Daniel Casey Talbot
 William R. Tanner II
 Terry Alan Taylor
 Patricia L. Tea
 Hok Peng Teh
 Constance Marie Thiel
 Lana Sharon Thorman
 Nancy Anne Tibbits
 Jeffrey Paul Timen
 Carolyn Sue Torer
 David Scott Trautman
 James A. Vagnier
 Cheryl Ann Van Buren
 Douglas William Vayda
 Mark Roger Vermillion
 E. Roberta Wade
 Elizabeth Sylvia Walker
 Ronald Elias Warwar
 Karen Glenn Wasielewski
 Joseph Anthony Wassink
 Christine Marie Watson
 Elizabeth Jean Watters
 John Wallace Weatherly
 Keith Allen Weaver
 Joan M. Webster
 Lisa Anne Weed
 Anita Ruth Weidinger
 Jeanne Elaine Weisenauer
 Norman Dale Welsh
 Tobin Dean White
 Darryl Neal Willett
 Christine Anne Wilson
 Cynthia Ann Wolock
 Linda Louise Woodyard
 Mary Ann Worthington
 Stacy Yeoh
 Amy Ann Zenni
 Katherine Maria Zittel

Melanie Anne Zoller
Michael Alan Zupancic

**Cum Laude with Distinction in
Agricultural Economics**

Lynn Kay Settlemyre

**Cum Laude with Distinction in
English**

Jennifer Ann Kleine

**Cum Laude with Distinction in
Family Relations and Human
Development**

Marie Angela Kin

**Cum Laude with Distinction in
Industrial Technology**

Christopher Gezik

**Cum Laude with Distinction in
Mechanical Engineering**

Gregory Scott Elliott
Bernard James Renggli

**Cum Laude with Distinction in
Nutrition**

Matthew McHugh

**Cum Laude with Distinction in
Pharmacy**

Michael Ervin Moehrman

**Cum Laude with Distinction in
Philosophy**

Scott Alan Davison

**Cum Laude with Distinction in
Psychology**

Wendy Allison Baker
Elliot Blumenstein

**Cum Laude with Honors in the
Liberal Arts**

Francis Joseph Alexander
Lorin Ann Banker
Munish Kumar Batra
John Bradley Britton
Andrea Joy Hart
Laena Marie Karnstedt

Andrea Marie Kuntzman
Scott-Eric Lindner
Gerardo Clement Orlando
Upinder Singh
Tammy Lynn Tormasi
Lurleen Yiamouyiannis

**Cum Laude with Honors in the
Liberal Arts and with Distinction
in Speech and Hearing Science**

Rachel Dobres

**Cum Laude with Honors in the
Liberal Arts with Distinction in
Zoology**

Diane Susan Heien

Summa Cum Laude

Denise Wiles Adams
David Neal Agin
Nadia Ala-U-Dini
Carol Sue Alfman
Michelle Louise Bast
Gerhard Alexander Berberich
Nancy Marie Blozis
Eva Maria Bostek
Melissa Ann Bressler
Kristina Jacobson Bridgman
Janice L. Cabral
Julie Kay Carleton
Nancy Ann Comparin
Anthony Edward Core
Terry Lee Correll
Robert Baxter Cory
Merri-Lynn Cushman
Joseph Lee Daniels
Randy Lee Delposen
Christopher Edward Donohue
Christopher Dean Drobnik
Barbara Lea Earnheart
Linda Marie Eckart
John Richard Evans
Nancy Marie Farnlacher
John Francis Feller
Christine Marie Flechler
Timothy Allen Frump
Tin Yue Fung
Nicole Marie Girouard
Deborah Ann Gries
Veronica Lynn Groff
Laura Jean Hamilton
Margaret Ann Hamilton
Bryan Lawrence Hawkins
Brigid Ellen Heid
Kathleen Renee Heskett
Rodney James Hicks
Michael Ashley Hoover
Jane Ellen Houg
Doreen M. Hsu
Deirdre Elaine Ingram
Veronique Jeanne Jarrett
Nancy Lee Kelso

Michael John Kleer
Debra Ann Klein
Peter Gerard Klimko
Theresa Bernadette Klimko
Kathryn Louise Knuth
Jeanne Ellen Kohnhorst
Hsueh-Ni Lee
Tara Ann Lee
Thomas Peter Lehr
Robert Joseph Lowes
Suzanne Macha
Laurie E. Martt
Jeffrey Floyd McAdoo
John Daniel McElroy
Matthew Joseph Messina
Cheryle Jean Metro
Susan Phyllis Milder
Linda M. Miller
Derek Edward Montgomery
Michael Joseph Montgomery
Anne Lorene Mueller
Susan Jean Nally
Rosemarie November
Susan Kaye Palmer
Penny Beth Parker
Kristina Pawlikowski
Michelle J. Paxton
Julia Christman Phillips
Gil Ari Pomeranz
Marian Sue Read
Christina Ann Regule
John Dominic Rice
Denise Annette Richey
Anne Elizabeth Ritter
Therese Marie Rose
Robert Clyde Rowley
Christine Marie Sandor
Melanie Ann Schirtzinger
Keith Allan Schmidt
Peggy Anne Schotzinger
Janet Louise Selby
Sharon Kay Shaeffer
Diane K. Share
Julia Lynn Simonian
Lynne Wilkins Smith
Brian Harold Snavely
Melissa Jane Stewart
Joyce Ann Suever
John Edward Tatro
Larry D. Turvy, Jr.
Elizabeth Anita Vaughn
Wendy Sue Wallace
Panpilas Wattanasarn
Susan Deborah Weisler
Amy Beth Willdman
Julie Ann Wilson
Paul Austin Wilson
Alison May Woods
Mary Kay Yerina
Hee-Woon Yum

**Summa Cum Laude with Distinction
in Accounting**

Jennifer D'Amico

**Summa Cum Laude with Distinction
in Aeronautical and Astronautical
Engineering**

Charles David Carlson, Jr.

**Summa Cum Laude with Distinction
in Agricultural Education**

Janet Chandler Pickford

**Summa Cum Laude with Distinction
in Chemistry**

Michael Wesley Drobnik

**Summa Cum Laude with Distinction
in Electrical Engineering**

Raymond Edward Slyh

**Summa Cum Laude with Distinction
in English**

Susan Michelle Lang

**Summa Cum Laude with Distinction
in Horticulture**

Michael Victor Ruggiero

**Summa Cum Laude with Distinction
in Human Nutrition and Food
Management**

Martha Ann Mahler

**Summa Cum Laude with Distinction
in Medical Technology**

Patricia Diane Bella

**Summa Cum Laude with Distinction
in Orchestral Instrument**

Jeanie Kathryn Lee

**Summa Cum Laude with Distinction
in Pharmacy**

Robert William Prierer
Christ John Ticoras

**Summa Cum Laude with Distinction
in Wildlife Management**

Mark Richard Otten

**Summa Cum Laude with Honors in
the Liberal Arts**

Mark William Aninao
Monica Mary Cahill
Karen Elaine Conrad
Steven Lewis Elieff
Diana Carole Lee
John David Morgan
David Churchill Oglevee
Carl Vincent Phillips II
Scott Edward Reddig
Debra S. Roelle
Sara R. Rubin
Katerina Sophia Taiganides
James Hugo Williamson, Jr.

**Summa Cum Laude with Honors in
the Liberal Arts and with
Distinction in Biology**

Brenda Sue Holland

**Summa Cum Laude with Honors in
the Liberal Arts and with
Distinction in Economics**

Caroline Mary Gentile

**Summa Cum Laude with Honors in
the Liberal Arts and with
Distinction in English**

Julie Diane Polter

**Summa Cum Laude with Honors in
the Liberal Arts and with
Distinction in Mathematics**

Thomas Scott Boardman
John Whitaker Havlicek

**Summa Cum Laude with Honors in
the Liberal Arts and with
Distinction in Modern Greek**

Caroline Frances Anne Seymour

THE OHIO STATE UNIVERSITY
OFFICIAL PROCEEDINGS OF THE
ONE THOUSAND TWO HUNDRED AND THIRTY-FIRST MEETING
OF THE BOARD OF TRUSTEES

Columbus, Ohio, June 4 and 5, 1987

The Board of Trustees met at its regular monthly meeting on Thursday, June 4, and Friday, June 5, 1987, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, pursuant to adjournment.

* * *
Minutes of the last meeting were approved.

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June 4 and 5, 1987 meeting, Board of Trustees

The Chairman, Mr. Redman, called the meeting of the Board of Trustees to order on June 4, 1987, at 6:30 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: Edmund C. Redman, Chairman, Leonard J. Immke, John W. Berry, Shirley D. Bowser, Hamilton J. Teaford, John J. Barone, and Deborah E. Casto.

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Mr. Redman reconvened the meeting on June 5, 1987, at 9:40 a.m.

Present: Edmund C. Redman, Chairman, Leonard J. Immke, John W. Berry, Shirley D. Bowser, Hamilton J. Teaford, John J. Barone, Deborah E. Casto, and John W. Kessler.

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COMMITTEE APPOINTMENTS 1987-88

Resolution No. 87-131

WHEREAS the appointments to Committees and representatives to the Research Foundation Board of Directors, the Development Fund Board of Directors, the Inter-University Council, the University Hospitals Board, and the University Foundation Board of Directors for 1987-88 are as follows:

Educational Affairs Committee	John W. Berry, Chairman Deborah E. Casto, Vice Chairman Hamilton J. Teaford
Fiscal Affairs Committee	John J. Barone, Chairman John W. Kessler, Vice Chairman Shirley D. Bowser
Standing Committee on Agri- cultural Affairs	Shirley D. Bowser, Chairman Steven D. Maurer, Vice Chairman Ex Officio Deborah E. Casto
Student Affairs Committee	Hamilton J. Teaford, Chairman John W. Kessler, Vice Chairman Milton A. Wolf
Personnel Committee	Edmund C. Redman, Chairman Leonard J. Immke, Vice Chairman John W. Berry
Development Fund Board of Directors	John W. Kessler (1987-89) Milton A. Wolf (1987-89)
Inter-University Council	Milton A. Wolf (subject to modification)
Research Foundation Board of Directors	John J. Barone (1987-90)

June 4 and 5, 1987 meeting, Board of Trustees

COMMITTEE APPOINTMENTS 1987-88 (contd)

University Hospitals Board Leonard J. Immke
 Shirley D. Bowser

University Foundation Board Hamilton J. Teaford*
of Directors Leonard J. Immke

*Executive Committee

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, the University Hospitals Board, and the University Foundation Board of Director for 1987-88 are hereby ratified and confirmed.

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

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ESTABLISHMENT OF A NEW RULE — RULES OF THE UNIVERSITY FACULTY

Resolution No. 87-132

Synopsis: Establishment of a new rule, 3335-7-231, of the Rules of the University Faculty is proposed.

WHEREAS the University has established a policy on the retention or disposal of materials submitted by students to meet course requirements; and

WHEREAS this policy was approved in 1978, by the Council on Academic Affairs with the concurrence of the Council on Student Affairs and the Committee on Academic Freedom and Responsibility; and

WHEREAS such a policy should be part of the Rules of the University Faculty; and

WHEREAS the proposed rule has been endorsed by the Council on Student Affairs and the Committee on Academic Freedom and Responsibility; and

WHEREAS the University Senate approved this action at their May 2, 1987 meeting, as follows:

NEW RULE

3335-7-231 Retention or disposal of materials submitted to meet course requirements.

- (A) Materials submitted by a student to satisfy course requirements shall either be returned to the student or made available for the student's inspection, after they have been marked or otherwise evaluated, before the end of the quarter, semester, session, or term in which the work is performed or, in the case of final projects and

June 4 and 5, 1987 meeting, Board of Trustees

ESTABLISHMENT OF A NEW RULE -- RULES OF THE UNIVERSITY FACULTY (contd)

final examinations, no later than the fourteenth day of instruction of the following quarter, semester, session, or term.

- (B) Materials of this kind which have not been returned to the student shall be retained by the academic unit or the individual instructor until the last day on which a grade change may be initiated as provided for in rule 3335-7-23 (A) of the Administrative Code. An exception to this rule may be made in the case of materials that are impracticable to store if the need for such exception is clearly communicated in writing and distributed to the students at the beginning of the course.

NOW THEREFORE

BE IT RESOLVED, That the establishment of rule 3335-7-231, Retention or Disposal of Materials Submitted to Meet Course Requirements, is hereby approved.

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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AMENDMENTS TO THE RULES OF THE UNIVERSITY FACULTY

Resolution No. 87-133

Synopsis: Amendments to rules 3335-5-486, 3335-7-10, and 3335-7-33 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 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 May 2, 1987, as follows:

AMENDED RULES

3335-5-486 Council on admission and registration.

- (A) Unchanged.
(B) Duties and responsibilities.

Review current practices and policies, initiate recommendations for change, and review proposed changes in practices and policies concerning admission to the university, registration and scheduling, and student academic records. These would include, but not be limited to:

- (1) Selection criteria, conditions, requirements, restrictions, fees, deadlines, and procedures for evaluation of transfer credit as these pertain to admission to the university.

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AMENDMENTS TO THE RULES OF THE UNIVERSITY FACULTY (contd)

- (2) Procedures and policies for registration and scheduling including scheduling priorities for students, restrictions on scheduling, and student schedule adjustments, as well as deadlines and fees associated with registration and scheduling.
- (3) Content of student academic records, as well as their compilation, maintenance, dissemination, and use.

Recommendations on these matters should be made to the university administrators dealing with admission, registration and scheduling, and to the university senate as appropriate. The vice president for academic affairs and provost, the vice provost for student affairs, the office of the university senate, and the vice president for finance shall be notified of all actions of the council. Recommendations which in the opinion of the vice president for academic affairs and provost would affect academic policies shall be reviewed by the council on academic affairs.

3335-7-10 Academic publications.

All official bulletins of the university shall be published from the copy furnished by the council on academic affairs; but mere editorial changes, as defined by the council on academic affairs, may be made in such copy by the appropriate designated individual in the office of academic affairs after receiving the approval of the department or school concerned.

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:
 - (1) After the third instructional day of the quarter, semester, session, or term, the first Friday of the quarter, or the student's second scheduled class session of the course, whichever occurs first, the student fails to attend the scheduled course without giving prior notification to the instructor. Under this paragraph, no student may be disenrolled from a course before that course has met. When the department elects to use this procedure, the chairperson (or other appropriate administrative official) shall notify the student's enrollment unit. The enrollment unit will notify the student and take appropriate action to remove the student from the course.

Since not all departments exercise the option to disenroll students in all courses, this rule does not relieve the student of the responsibility for dropping such a course the student is not attending.

NOW THEREFORE

BE IT RESOLVED, That the foregoing amendments to the Rules of the University Faculty be adopted as recommended by the University Senate.

June 4 and 5, 1987 meeting, Board of Trustees

AMENDMENTS TO THE RULES OF THE UNIVERSITY FACULTY (contd)

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

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PERSONNEL ACTIONS

Resolution No. 87-134

RESOLVED, That the personnel actions as recorded in the Personnel Budget Records of the University since the May 8, 1987 meeting of the Board, including the following Change in Title, Appointments, Concurrent Appointment, Appointment of Chairpersons of Departments, Reappointment of Chairperson of Department, Leaves of Absence Without Salary, Professional Improvement Leaves, Promotions/Tenure, and Emeritus Titles as detailed in the University Budget be approved.

Change in Title

Name: JOHN O. RIEDL
Title: Dean/Director and Associate Professor
Office/Department: Mansfield Campus/Mathematics
Effective: July 1, 1987*
Salary: \$75,000.00
Present Position: Special Assistant to the Vice President, Academic Affairs Administration and Mansfield Campus Administration; Associate Dean, College of Mathematical and Physical Sciences - Administration; and Associate Professor, Department of Mathematics

Appointments

Name: JAMES J. BISHOP
Title: Special Assistant to the Provost
Office: Academic Affairs
Effective: September 1, 1987*
Salary: \$90,000.00
Present Position: Vice Provost for University Life, University of Pennsylvania, Philadelphia, PA

Name: MANNING MARABLE
Title: Chairperson and Professor
Department: Black Studies
Effective: September 1, 1987
Salary: \$72,000.00 (9-month appointment)
Present Position: Professor of Sociology and Political Science
Purdue University, West Lafayette, IN

Name: ROBERT L. ARNOLD
Title: Acting Dean and Associate Professor
College/Academic Faculty: The Arts/The Arts in Education
Effective: July 1, 1987*
Salary: \$64,800.00

*12-month appointment, unless otherwise specified.

June 4 and 5, 1987 meeting, Board of Trustees

PERSONNEL ACTIONS (contd)

Appointments (contd)

Present Position: Acting Associate Dean in the College of The Arts and Associate Professor in the Academic Faculty of The Arts in Education

Concurrent Appointment

Name: WILLIAM J. STUDER
Title: Director of University Libraries
Office: Academic Affairs
Added Responsibilities: Coordinator of activities for the Wexner Center for the Visual Arts
Effective: July 1, 1987*
Appointment Period: Indefinite
Salary: \$88,760.00

*12-month appointment, unless otherwise specified.

Appointment of Chairpersons of Departments

July 1, 1987 through June 30, 1991

Botany Daniel J. Crawford
Molecular Genetics Philip S. Perlman

Reappointment of Chairperson of Department

July 1, 1987 through June 30, 1991

Dance Vera J. Blaine

Leaves of Absence Without Salary

PRABUDDHA DE, Associate Professor, Academic Faculty of Accounting and Management Information Systems, effective Autumn Quarter 1987, Winter Quarter and Spring Quarter 1988, to accept a Distinguished Professorship at the University of Dayton.

SHIGERU MIYAGAWA, Assistant Professor, Department of East Asian Languages and Literatures, effective Spring Quarter 1987, to accept a research position at MIT.

BECKY K. KOCH, Instructor, School of Health, Physical Education, and Recreation, effective May 4, 1987, through June 30, 1987, for personal reasons.

Professional Improvement Leaves

ROBERT E. BAILEY, Professor, Department of Mechanical Engineering, effective Autumn Quarter 1987, Winter Quarter and Spring Quarter 1988.

CARL W. BIRKY, JR., Professor, Department of Molecular Genetics, effective Autumn Quarter 1987, Winter Quarter and Spring Quarter 1988.

DAVID C. FERREE, Professor, Department of Horticulture, effective September 14, 1987, through March 31, 1988.

June 4 and 5, 1987 meeting, Board of Trustees

PERSONNEL ACTIONS (contd)

Professional Improvement Leaves (contd)

HENRY H. GLOVER, Professor, Department of Mathematics, effective Autumn Quarter 1987, Winter Quarter and Spring Quarter 1988.

ALBERT L. KUNZ, Professor, Department of Physiology, effective Autumn Quarter 1987, Winter Quarter and Spring Quarter 1988.

HAROLD MOELLERING, Professor, Department of Geography, effective Autumn Quarter 1987, Winter Quarter and Spring Quarter 1988.

HENRI MOSCOVICI, Professor, Department of Mathematics, effective Autumn Quarter 1987, Winter Quarter and Spring Quarter 1988.

R. CLAYTON ROBERTS, Professor, Department of History, effective Autumn Quarter 1987, Winter Quarter and Spring Quarter 1988.

JOHN G. STREETER, Professor, Department of Agronomy, effective September 1, 1987, through May 31, 1988.

GREGORY M. TRAVALIO, Professor, College of Law, effective Autumn Semester 1987, and Spring Semester 1988.

NEIL R. BAKER, Associate Professor, Department of Microbiology, effective Autumn Quarter 1987, Winter Quarter and Spring Quarter 1988.

RAYMOND H. DOMINICK III, Associate Professor, Department of History (Mansfield Campus), effective Autumn Quarter 1987, Winter Quarter and Spring Quarter 1988.

ALEXANDER DYNIN, Associate Professor, Department of Mathematics, effective Autumn Quarter 1987 and Winter Quarter 1988.

KIMBERLY M. ELAM, Associate Professor, Department of Industrial Design, effective Autumn Quarter 1987, Winter Quarter and Spring Quarter 1988.

THOMAS B. GREGORY, Associate Professor, Department of Mathematics (Mansfield Campus), effective Autumn Quarter 1987, Winter Quarter and Spring Quarter 1988.

JOHN P. KLEIN, Associate Professor, Department of Statistics, effective Autumn Quarter 1987, Winter Quarter and Spring Quarter 1988.

GENE E. MUMY, Associate Professor, Department of Economics, effective Autumn Quarter 1987, Winter Quarter and Spring Quarter 1988.

JACK L. NASAR, Associate Professor, Department of City and Regional Planning, effective Autumn Quarter 1987, Winter Quarter and Spring Quarter 1988.

FELICISIMA C. SERAFICA, Associate Professor, Department of Psychology, effective Autumn Quarter 1987, Winter Quarter and Spring Quarter 1988.

GOLDIE SHABAD, Associate Professor, Department of Political Science, effective Autumn Quarter 1987, Winter Quarter and Spring Quarter 1988.

June 4 and 5, 1987 meeting, Board of Trustees

PERSONNEL ACTIONS (contd)

Professional Improvement Leaves (contd)

RAJENDRA SINGH, Associate Professor, Department of Mechanical Engineering, effective Autumn Quarter 1987, Winter Quarter and Spring Quarter 1988.

R. VLADIMIR STEFFEL, Associate Professor, Department of History (Marion Campus), effective Autumn Quarter 1987, Winter Quarter and Spring Quarter 1988.

Emeritus Titles

BRADLEY CHAPIN, Department of History, with the title Professor Emeritus, effective July 1, 1987.

KARL V. CLEMONS, Cooperative Extension Service, with the title Professor Emeritus, effective July 1, 1987.

WILLIAM E. COPELAND, SR., Department of Obstetrics and Gynecology, with the title Professor Emeritus, effective July 1, 1987.

PATRICK R. DUGAN, Department of Microbiology, with the title Professor Emeritus, effective July 1, 1987.

WALTER C. GIFFIN, Department of Industrial and Systems Engineering, with the title Professor Emeritus, effective July 1, 1987.

LIT S. HAN, Department of Mechanical Engineering, with the title Professor Emeritus, effective June 1, 1987.

G. ROBERT HOLSINGER, School of Journalism, with the title Professor Emeritus, effective September 1, 1987.

CHARLES M. MARTIN, Cooperative Extension Service and Department of Animal Science, with the title Professor Emeritus, effective June 1, 1987.

THOMAS J. MCDONOUGH, Cooperative Extension Service, with the title Professor Emeritus, effective June 1, 1987.

JOHN A. SCHMITT, Department of Botany, with the title Professor Emeritus, effective July 1, 1987.

JOHN S. VASKO, Department of Surgery, with the title Professor Emeritus, effective May 1, 1987.

HENRY S. BRINKERS, Department of Architecture, with the title Associate Professor Emeritus, effective July 1, 1987.

ROY L. DONNERBERG, Department of Internal Medicine, with the title Associate Professor Emeritus, effective July 1, 1987.

W. RAYMOND MILLS, Department of City and Regional Planning, with the title Associate Professor Emeritus, effective July 1, 1987.

WILLIAM F. ROHRS, Cooperative Extension Service, with the title Associate Professor Emeritus, effective July 1, 1987.

June 4 and 5, 1987 meeting, Board of Trustees

PERSONNEL ACTIONS (contd)

Emeritus Titles (contd)

LORIN G. SANFORD, Cooperative Extension Service, with the title Associate Professor Emeritus, effective July 1, 1987.

ETHEL RINE SHAW-NICKERSON, Department of Life Span Process, with the title Associate Professor Emeritus, effective October 1, 1987.

GERALD D. STANLEY, Cooperative Extension Service, with the title Associate Professor Emeritus, effective June 1, 1987.

JAMES R. HULL, College of Dentistry - Orthodontics, with the title Assistant Professor Emeritus, effective July 1, 1987.

NORMA E. KERN, Cooperative Extension Service, with the title Assistant Professor Emeritus, effective July 1, 1987.

RICHARD O. SMITH, Department of Animal Science, with the title Assistant Professor Emeritus, effective July 1, 1987.

MARILYN M. REED, Cooperative Extension Service, with the title Instructor Emeritus, effective June 1, 1987.

Upon motion of Mr. Teaford, 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. 87-135

Synopsis: Resolutions honoring the service of two 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.

Zeph J. R. Hollenbeck

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on April 15, 1987, of Dr. Zeph J. R. Hollenbeck, Professor Emeritus in the Department of Obstetrics and Gynecology.

Zeph John Reed Hollenbeck was born in Madison, Indiana, the son of a veterinarian with the United States government. He grew up in several cities across the Midwest and ultimately came to Columbus to complete his baccalaureate degree at The Ohio State University in 1931, after which he went on to study medicine at OSU. He received the Doctor of Medicine degree Cum Laude in 1935. He did his residency training in surgery and Ob-Gyn at Henry Ford Hospital in Detroit, Michigan.

Dr. Hollenbeck was in the private practice of his specialty in this community for over four decades and he was an integral part of the

June 4 and 5, 1987 meeting, Board of Trustees

RESOLUTIONS IN MEMORIAM (contd)

Zeph J. R. Hollenbeck (contd)

teaching program in Obstetrics and Gynecology at The Ohio State University from 1940 until his retirement from the faculty in 1980. Upon his retirement he was named Professor Emeritus. In addition, he served for twenty years as Chief of Staff of St. Ann's Hospital. He was Attending Obstetrician/Gynecologist at University Hospitals and Riverside Methodist Hospital, and was a consultant in Obstetrics and Gynecology at Children's Hospital, Mt. Carmel Hospital, and to the Veterans Administration Hospital in Dayton.

Zeph, as he was known to a myriad of professional colleagues and friends, took an active and leading role in many medical organizations. He was a founding member of the Columbus Obstetric/Gynecological Society and served as its first president in 1944. He was a Fellow of the American College of Surgeons and a member of its Board of Governors. He was a member and president of the Central Association of Obstetricians and Gynecologists. He was a Fellow of the American College of Obstetricians and Gynecologists and he chaired the Ohio Section of that organization. He was a member and president of the Central Travel Club of Obstetricians and Gynecologists and he was a member of the Association of Professors of Gynecology and Obstetrics.

Dr. Hollenbeck held memberships in Sigma Chi, honorary scientific fraternity; Alpha Omega Alpha, honor medical society; and he was the recipient of an Alumni Achievement Award from the College of Medicine. He served his alma mater as president of The Ohio State University College of Medicine Alumni Association in 1974-75.

Dr. Hollenbeck's clinical and research activities centered around clinical management of Stages I and II carcinoma of the cervix, the treatment of urinary stress incontinence, and the development of surgical techniques which he passed on to his residents with vigor and enthusiasm. His role in his specialty was one of distinction both locally and nationally, bringing credit to his alma mater, to the institutions of which he was a part, and to the profession of medicine as well. His death on April 15, 1987, in many ways marked the end of an era.

On behalf of the university community, the Board of Trustees expresses to the family of Zeph J. R. Hollenbeck its deepest sympathy. 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.

Clarence E. Jackson

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on May 2, 1987, of Clarence E. Jackson, Professor Emeritus in the Department of Welding Engineering.

Professor Jackson received his B.A. with honors from Carleton College in 1927. He began his career as a metallurgist with the National Bureau of Standards in 1930 and during World War II was with the Naval Research Laboratory, the start of his long association with welding research. His studies included the processes and metallurgy of welding, particularly regarding high strength steels and aluminum alloys. He entered the

June 4 and 5, 1987 meeting, Board of Trustees

RESOLUTIONS IN MEMORIAM (contd)

Clarence E. Jackson (contd)

private sector in 1946, conducting welding research at Union Carbide. During this period some of his most well-known contributions were made involving welding arc physics and the chemistry of slag-metal reactions.

Professor Jackson's 13-year career at The Ohio State University began in 1964. While at OSU, he supervised research programs and introduced several new courses into the curriculum of the department. Upon his retirement in 1977, he was named Professor Emeritus. Following his retirement, he continued teaching his ever-popular "Fluxes and Slags" to new generations of welding engineering students. He served on numerous committees of the American Welding Society, and held many offices, including the Presidency in 1963-64. He was active in the International Institute of Welding as Delegate, Expert, and Chairman of several commissions. He published over 70 papers, held over 50 patents and advised over 40 graduate theses. His 1960 Adams Lecture, "The Science of Arc Welding," is considered a classic.

Professor Jackson received the Distinguished Civilian Service Award from the Navy and numerous awards from the American Welding Society, including the Samuel Wylie Miller Gold Medal; the National Meritorious Service Award; the Adams Memorial Membership; and the R. D. Thomas Memorial Medal. He was an Honorary Fellow of the British Institute of Welding and was recognized by Carleton College with an Alumni Achievement Award in 1981. He was notified in April that The Ohio State University College of Engineering had designated him as recipient of its "Meritorious Service Citation." It was presented posthumously to his son, William, in ceremonies at Ohio State University on May 15, 1987.

On behalf of the University community, the Board of Trustees expresses to the family of Professor Jackson its deepest sympathy. 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 sincere expression of the Board's realization of the loss that the family, the University and his many friends and associates have sustained.

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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REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS

Resolution No. 87-136

Synopsis: The reports on contracts, grants, and gifts and the summary for April 1987 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

June 4 and 5, 1987 meeting, Board of Trustees

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

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 Engineering Experiment Station and The Ohio State University Development Fund during the month of April 1987 be approved.

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

SUMMARY FOR APRIL 1987

Source	No. of Projects	Support Level
The Ohio State University Research Foundation	108	\$7,796,440.50
Engineering Experiment Station	42	\$ 386,320.00
Total	150	\$8,182,760.50

The Ohio State University Development Fund

Establishment of Named Funds

R. David Thomas Cancer Research Institute Endowment Fund (Support cancer research)		\$ 624,625.00
The Steve R. and Sarah E. O'Donnell Computer and Information Science Fund (Aid the research, teaching, and service programs/facilities)		\$ 400,000.00
The Steve R. and Sarah E. O'Donnell Endowment Fund in Electrical Engineering (Aid the research, teaching, and service programs/facilities)		\$ 400,000.00
The Department of Philosophy Faculty Support Fund (Support for Faculty Research and Instructional Enrichment)		\$ 400,000.00
The Clara M. and Peter L. Scott Faculty Award for Excellence in Engineering Education (Award will be presented to an outstanding educator among the senior faculty members)		\$ 46,875.00
Michael Del Bane Memorial Cancer Research Fund (Support cancer research)		\$ 35,000.00

June 4 and 5, 1987 meeting, Board of Trustees

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

SUMMARY FOR APRIL 1987 (contd)

The Ohio State University Development Fund (contd)

Establishment of Named Funds (contd)

Hazen and Anna Jane Hildebolt Preble County Scholarship Fund (Scholarships to students from Preble County majoring in Agriculture or Home Economics)	\$ 24,000.00
The Hulda Ungericht Wells Scholarship Fund (Scholarships in the College of Home Economics)	\$ 20,000.00
Richland County Ohio State University Alumni Club The Ohio State University at Mansfield Scholarship Endowment Fund (Scholarships to students residing in Richland County and attending OSU Mansfield Campus)	\$ 15,000.00
The Ichthyology Research Endowment Fund (Support research and publication on the collection of Fishes)	\$ 15,000.00

Change of Name and Description of Named Funds

From: The Richard L. Basch Memorial Learning Resource Fund	
To: The Dr. Lewis R. Basch and Dr. Richard L. Basch Memorial Award	
From: Intercollegiate Livestock Evaluation Team Endowment Fund	
To: Intercollegiate Livestock and Meat Judging Teams Endowment Fund	
From: The Lee D. Moody Scholarship Fund	
To: The Lee D. Moody Civil Engineering Loan Fund	

Change in Description of Named Funds

The Henry and Blanche Abell Endowment Fund

The John McKittrick Family Fund

June 4 and 5, 1987 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION

Report - April 1987

Federal Research Contracts/Grants

\$423,740.00 - Department of Labor, Bureau of Labor Statistics, Washington, D.C., National Longitudinal Surveys of Labor Market Experience - NICHD, Center for Human Resource Research (K. I. Wolpin), 17 June 1985 through 30 September 1987. (Project 764806 - Continuation)

\$360,000.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, Joint Services Electronics Program (JSEP), Department of Electrical Engineering, ElectroScience Laboratory (L. Peters, Jr., P. H. Pathak, E. H. Newman, R. T. Compton, C. D. Chuang, and N. N. Wang), 1 October 1986 through 30 September 1987. (Project 760914 - Continuation)

\$285,758.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Endotracheal Suctioning in Acutely Ill Adults, Department of Life Span Process (K. S. Stone), 1 April 1987 through 31 March 1988. (Project 765998 - New)

\$170,616.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Biomedical Research Support Grant, College of Medicine - Administration (D. G. Cornwell), 1 April 1987 through 31 March 1988. (Project 761078 - Continuation)

\$168,127.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Stereochemistry of Enzyme Reactions, Department of Chemistry (H. G. Floss), 1 April 1987 through 31 March 1988. (Project 763422 - Continuation)

\$163,906.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, The Molecular Biology of Organellar Translocation, Department of Microbiology (B. R. Oakley and D. R. Galloway), 1 April 1987 through 31 March 1988. (Project 763502 - Continuation)

\$154,764.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Genetics of Myogenesis: Structure and Function, Department of Molecular Genetics (S. Falkenthal), 1 June 1987 through 31 May 1988. (Project 763993 - Continuation)

\$151,587.00 - Department of the Army, Maryland Procurement Office, Ft. George G. Meade, Maryland, Microwave Antenna Technology, Department of Electrical Engineering, ElectroScience Laboratory (R. C. Rudduck), 1 March 1987 through 30 September 1987. (Project 765096 - Continuation)

\$149,635.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Biomedical Research Support Grant, Research and Graduate Studies Administration (T. L. Sweeney), 1 April 1987 through 31 March 1988. (Project 764748 - Continuation)

June 4 and 5, 1987 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

\$144,000.00 - Department of the Army, Defense Supply Service, Washington, D.C., The Problem of Net Assessment in an Historical Context, Mershon Center for Education (A. R. Millett) and Department of History (W. Murray), 25 April 1987 through 30 September 1987. (Project 765401 - Continuation)

\$143,184.00 - Department of Education, Office of Higher and Continuing Education, Washington, D.C., National Resource Center - East Asia and Fellowship in East Asian Studies, University Center for International Studies, Departments of East Asian Languages and Literatures and Anthropology (G. M. Chen), 15 August 1987 through 14 August 1988. (Project 764877 - Continuation)

\$140,000.00 - National Science Foundation, Washington, D.C., Research in Astrophysics, Medium Energy Physics and Fundamental Particles, Department of Physics (R. N. Boyd), 1 May 1987 through 30 April 1988. (Project 765332 - Continuation)

\$132,897.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Ia Expression by Macrophages from Bcg^F and Bcg^r Mice, Department of Microbiology (B. S. Zwilling), 1 April 1987 through 31 March 1988. (Project 765985 - New)

\$132,678.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, A Model of Parainfectious Demyelinating Encephalitis, Department of Veterinary Pathobiology (G. S. Krakowka), 1 April 1987 through 31 March 1988. (Project 762797 - Continuation)

\$126,722.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Characterization of Anticoagulant Heparin Determinants, Department of Chemistry (D. Horton), 1 April 1987 through 31 March 1988. (Project 764008 - Continuation)

\$113,986.00 - Department of Energy, Argonne, Illinois, Investigations of Ultrasonic Wave Interactions at Boundaries Separating Anisotropic Materials, Department of Welding Engineering (L. Adler), 1 April 1987 through 31 March 1988. (Project 764033 - Continuation)

\$108,972.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Immunochemical Analysis of Exotoxin-A from Pseudomonas aeruginosa, Department of Microbiology (D. R. Galloway), 1 April 1987 through 31 March 1988. (Project 765322 - Continuation)

\$107,559.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Acute Regulation of Casein Secretion and Degradation, Department of Veterinary Pathobiology (C. L. Brooks), 1 May 1987 through 30 April 1988. (Project 765962 - New)

June 4 and 5, 1987 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

103,841.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Deletion in Alpha- and Beta-Globin Gene Clusters, Department of Biochemistry (E. F. Vanin), 1 April 1987 through 31 March 1988. (Project 764634 - Continuation)

\$92,129.00 - Department of Education, Office of Special Education, Washington, D.C., Handicapped Personnel Preparation -- Preparation of Special Educators, School of Health, Physical Education and Recreation (W. F. Ersing), 1 July 1987 through 30 June 1988. (Project 765519 - Continuation)

\$80,425.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Chemical Modification Conformational Changes and Electrostatic Effects in Plastocyanin, Department of Biochemistry (E. L. Gross), 1 April 1987 through 31 March 1988. (Project 765991 - New)

\$79,029.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Mediastinal Effects on Pulmonary Function, Department of Veterinary Physiology and Pharmacology (L. E. Olson), 1 April 1987 through 31 March 1988. (Project 765986 - New)

\$76,225.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Intestinal Toxicity of 5-Fluorouracil and Leucovorin, College of Pharmacy (J. L. S. Au), 1 May 1987 through 30 April 1988. (Project 766016 - New)

\$75,280.00 - Department of Health and Human Services, Public Health Service, Health Resources and Services Administration, Rockville, Maryland, Establishment of Department of Family Medicine, Department of Family Medicine (T. Williams and J. S. Monk), 1 September 1987 through 31 August 1988. (Project 765671 - Continuation)

\$74,038.00 - National Science Foundation, Washington, D.C., Molecular Beam Reactions Involving Metal Hydroxides and Hydrides, Department of Chemistry (J. M. Parson), 1 December 1986 through 30 November 1987. (Project 765988 - New)

\$72,500.00 - National Science Foundation, Washington, D.C., Chemistry of Metal-Carbon and Metal-Metal Bonds, Department of Chemistry (A. Wojcicki), 1 June 1987 through 31 May 1988. (Project 764673 - Continuation)

\$70,000.00 - National Science Foundation, Washington, D.C., Nucleotide Sites of Calmodulin - Dependent Protein Kinase, Department of Chemistry (M. M. King), 1 August 1987 through 31 July 1988. (Project 764892 - Continuation)

\$65,474.00 - National Science Foundation, Washington, D.C., Fourier

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

Transform Ion Cyclotron Resonance Mass Spectrometry, Chemical Instrumentation Center, Departments of Biochemistry and Chemistry (A. G. Marshall), 1 May 1987 through 30 April 1988. (Project 766017 - New)

\$59,819.00 - National Science Foundation, Washington, D.C., Pollen Analysis of Three Long Cores from Arctic Alaska: A Test of Current Concepts in Beringian Paleoeology, Department of Zoology and Byrd Polar Research Center (P. A. Colinvaux), 1 March 1987 through 29 February 1988. (Project 765920 - New)

\$56,673.00 - National Science Foundation, Washington, D.C., Algebraic Algorithms and Systems, Department of Computer and Information Science (G. E. Collins), 1 October 1986 through 31 January 1988. (Project 765735 - Continuation)

\$55,200.00 - National Science Foundation, Washington, D.C., The Structure of Fossil Phloem, Byrd Polar Research Center (E. L. Smoot), 1 January 1987 through 31 October 1988. (Project 765956 - New)

\$50,850.00 - National Science Foundation, Washington, D.C., Elliptic Curves with Complex Multiplication, Department of Mathematics (K. Rubin), 1 July 1987 through 30 June 1990. (Project 764913 - Continuation)

\$50,000.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, Processing of Archaeobacterial Intron-Containing tRNA Gene Transcripts, Department of Microbiology (C. J. Daniels), 1 August 1987 through 31 July 1988. (Project 765591 - Continuation)

\$48,600.00 - National Science Foundation, Washington, D.C., Synthetic Catalysts Based on Reversible Covalent Bond Formation, Department of Chemistry (A. W. Czarnik), 1 March 1987 through 28 February 1988. (Project 765171 - Continuation)

\$45,126.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, Degradation of Materials by Interdiffusion Processes, Department of Metallurgical Engineering (J. P. Hirth), 1 March 1987 through 30 November 1987. (Project 764574 - Continuation)

\$44,256.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Biomedical Research Support Grant, College of Pharmacy (A. H. Soloway), 1 April 1987 through 31 March 1988. (Project 760661 - Continuation)

\$43,830.00 - National Science Foundation, Washington, D.C., A Contingency Approach to Decision Making: How Decision Units Shape Foreign Policy Behavior, Merston Center for Education (M. G. Hermann and C. F. Hermann), 1 April 1987 through 30 June 1988. (Project 765990 - New)

\$42,568.00 - National Aeronautics and Space Administration, Lewis Research Center, Cleveland, Ohio, A Novel Approach in Formulation of Special Transition Finite Elements, Department of Aeronautical and Astronautical Engineering (N. Sarigul), 13 April 1987 through 12 April 1988. (Project 765939 - 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)

\$40,000.00 - National Aeronautics and Space Administration, Langley Research Center, Hampton, Virginia, An Experimental Study of the Effect of Pitch Rate on Delta Wing Aerodynamics and Stability, Department of Aeronautical and Astronautical Engineering (M. B. Bragg), 1 April 1987 through 31 March 1988. (Project 765327 - Continuation)

\$39,517.00 - National Science Foundation, Washington, D.C., Mathematical Sciences: Investigations in the Theory of Orthogonal Polynomials, Department of Mathematics (P. Nevai), 1 July 1987 through 30 June 1988. (Project 764661 - Continuation)

\$33,073.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Biomechanics of an Amphibian Seismic Sensory System, Department of Zoology (T. E. Hetherington), 1 April 1987 through 31 March 1988. (Project 764599 - Continuation)

\$30,910.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Biomedical Research Support Grant, College of Veterinary Medicine - Administration (R. A. Wright), 1 April 1987 through 31 March 1988. (Project 762776 - Continuation)

\$28,258.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, General Clinical Research Center, College of Medicine - Administration (M. Tzagournis) and Department of Internal Medicine (W. Malarkey), 1 December 1986 through 30 November 1987. (Project 761196 - Continuation)

\$27,663.00 - National Science Foundation, Washington, D.C., Workshop on Interactions Between Soil-Inhabiting Invertebrates in Relation to Plant Growth, Department of Entomology (C. A. Edwards and B. R. Stinner), 15 March 1987 through 14 March 1988. (Project 765976 - New)

\$25,000.00 - Department of the Navy, Naval Material Command, Bethesda, Maryland, Vortex Motion Past a Cavity with Elastic Obstructions, Department of Mechanical Engineering (A. T. Conlisk), 7 April 1987 through 30 September 1987. (Project 765323 - Continuation)

\$24,982.00 - Environmental Protection Agency, Washington, D.C., Outreach Assistance for Small-Flows Wastewater Treatment Facilities (Information, Technology, Operations), Department of Educational Theory and Practice (R. W. Howe), 1 April 1987 through 3 March 1988. (Project 766009 - New)

\$24,802.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Biomedical Research Support Grant, College of Dentistry - Administration (W. R. Wallace), 1 April 1987 through 31 March 1988. (Project 764652 - Continuation)

\$24,534.00 - Department of Commerce, National Oceanic and Atmospheric Administration, Rockville, Maryland, Relationship of Toxic Metals and

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

Bacteria in Sediments of Old Woman Creek Estuary, Department of Microbiology (R. M. Pfister and J. I. Frea), 15 April 1987 through 30 April 1988. (Project 765974 - New)

\$22,540.00 - Department of Education, Office of Higher and Continuing Education, Washington, D.C., Foreign Language and Area Studies Fellowships Program Middle East Studies, Graduate School Administration (R. A. Koenigsknecht) and University Center for International Studies (F. Firebaugh and A. Payind), 15 August 1987 through 14 August 1988. (Project 765628 - Continuation)

\$21,450.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Intraoral Grafting of Mucosal Equivalents Produced in Vitro, Oral Surgery (S. E. Feinberg) and Diagnostic Services (G. F. Shuler), 1 May 1987 through 30 April 1988. (Project 766010 - New)

\$18,260.00 - National Science Foundation, Washington, D.C., The Arithmetic of Function Fields, Department of Mathematics (D. M. Goss), 1 July 1987 through 30 June 1988. (Project 765462 - Continuation)

\$18,000.00 - National Science Foundation, Washington, D.C., International Travel in Connection with an Experiment Measuring Properties of Charm and Beauty Particle Decays via Hadronic Production in a Hybrid Emulsion-Electronic Spectrometer, Department of Physics (N. W. Reay), 15 April 1987 through 31 March 1989. (Project 766013 - New)

\$17,385.00 - National Science Foundation, Washington, D.C., Workshop on the Study of the Design Process, Oakland, California -- February 9-10, 1987, Department of Engineering Graphics (M. B. Waldron), 1 August 1987 through 31 January 1988. (Project 765527 - Continuation)

\$15,000.00 - National Aeronautics and Space Administration, Washington, D.C., SETI Research, Department of Electrical Engineering (J. D. Kraus and R. S. Dixon), 1 February 1987 through 31 January 1988. (Project 764694 - Continuation)

\$13,044.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Short-Term Training, Oral Biology (S. Rosen), 1 June 1987 through 31 May 1988. (Project 764680 - Continuation)

\$10,049.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Biomedical Research Support Grant, College of Optometry (F. W. Hebbard), 1 April 1987 through 31 March 1988. (Project 765317 - Continuation)

\$9,450.00 - National Science Foundation, Washington, D.C., Fluorescence Spectroscopy of Biradicals, Carbenes, and Nitrenes, Department of Chemistry (M. S. Platz), 15 April 1987 through 30 March 1990. (Project 766018 - 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)

\$9,000.00 - Department of the Navy, Naval Material Command, Annapolis, Maryland, Evaluate the Capabilities of the Weld Quality Monitor, Department of Welding Engineering (D. G. Howden), 1 April 1987 through 30 September 1987. (Project 766008 - New)

\$8,700.00 - National Science Foundation, Washington, D.C., Investigations of Ultrasonic Surface Wave Interaction with Porous Saturated Materials, Department of Welding Engineering (L. Adler), 15 March 1987 through 28 February 1989. (Project 765950 - New)

\$6,334.00 - Department of Health and Human Services, Public Health Service, Health Resources and Services Administration, Rockville, Maryland, Nurse Anesthetist Traineeship Grant, School of Allied Medical Professions (W. R. Waugaman), 1 July 1987 through 30 June 1988. (Project 764173 - Continuation)

\$5,411.00 - Department of the Army, Army Troop Supply Command, Fort Belvoir, Virginia, Correlation of Geophysical Electromagnetic Data with Borehole Logs, and Earth Resistivity Measurements, Department of Geology and Mineralogy (J. J. Daniels), 30 March 1987 through 30 June 1987. (Project 765996 - New)

\$2,000.00 - National Science Foundation, Washington, D.C., Support for 6th Biennial Regeneration Forum, Department of Zoology (R. A. Tassava), 1 June 1986 through 30 November 1987. (Project 766030 - New)

\$1,233.00 - National Highway Traffic Safety Administration, East Liberty, Ohio, Rear Seat Submarining Investigation Test Matrix Design, Department of Statistics (P. K. Goel), 15 December 1986 through 13 February 1987. (Project 766023 - New)

Equipment - Department of Energy, Albuquerque, New Mexico, Energy-Related Laboratory Equipment, Engineering Experiment Station (J. W. Talnagi), 9 April 1987 through 8 April 1988. (Project 765999 - New) (Approximate Dollar Value - \$3,015)

TOTAL - FEDERAL AWARDS

\$4,940,589.00

State of Ohio Research Contracts/Grants

\$1,250,000.00 - State of Ohio, Department of Development, Columbus, Ohio, Phase II of the Ohio Superconducting Super Collider Siting Task Force, Research and Graduate Studies Administration (J. M. Hollander), 1 February 1987 through 30 September 1987. (Project 765972 - Continuation)

\$83,086.00 - State of Ohio, Ohio Board of Regents, Columbus, Ohio, Area Health Education Centers (Health Services Education), College of Medicine - Administration (G. L. Trzebiatowski), 1 October 1986 through 30 September 1987. (Project 765792 - Continuation)

\$32,133.00 - State of Ohio, Department of Natural Resources, Columbus, Ohio, Evaluation of Ground-Water Quality Changes Caused by Brine

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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)

Spreading for Dust and Ice Control, Department of Geology and Mineralogy (E. S. Bair), 1 March 1987 through 31 August 1988. (Project 766004 - New)

\$7,470.00 - State of Ohio, The Ohio Humanities Council, Columbus, Ohio, The Educated Citizen and the University of the Future, Department of History and Center for Comparative Studies in the Humanities (M. R. Waldman), 6 December 1986 through 29 October 1987. (Project 765982 - New)

\$7,424.00 - State of Ohio, Ohio Arts Council, Columbus, Ohio, Glass/Serra: A Collaborative Acoustic Installation, University Art Galleries (J. W. Green), 13 February 1987 through 31 March 1987. (Project 766027 - New)

\$5,000.00 - State of Ohio, Department of Human Services, Columbus, Ohio, Conditions Under Which the Classical Confidence Interval Method of Estimating a Mean is Appropriate, Department of Preventive Medicine (M. L. Moeschberger), 1 April 1987 through 31 May 1987. (Project 765983 - New)

TOTAL - STATE OF OHIO AWARDS

\$1,385,113.00

Industrial Research Contracts/Grants

\$158,564.00 - Pfizer, Inc., Groton, Connecticut, Phase I Double-Blind, Placebo-Controlled Safety Toleration and Pharmacokinetic Study of Multiple Doses of Intravenous Fluconazole, Department of Pharmacology (N. Gerber), 1 February 1987 through 30 June 1987. (Project 765696 - Continuation)

\$127,329.00 - Pfizer, Inc., Groton, Connecticut, Phase I Multiple-Dose, Open-Comparative Study of CP-62,993 and Erythromycin Ethylsuccinate for Assessment of Pharmacokinetics and Neurological and Audiometric Safety in Healthy Male Volunteers, Department of Pharmacology (N. Gerber), 1 March 1987 through 29 February 1988. (Project 765696 - Continuation)

\$127,168.00 - Knoll Pharmaceuticals, Whippany, New Jersey, Single and Multiple Ascending Dose Toleration and Pharmacokinetics of Recombinant Human Tumor Necrosis Factor in Patients with Refractory Malignancies, Department of Internal Medicine (J. J. Rinehart), 1 March 1987 through 22 February 1988. (Project 766006 - New)

\$57,021.00 - Sandoz Inc., East Hanover, New Jersey, A Randomized Double-Blind Study of Oral Immune Serum Globulin for the Prevention of Infection in Bone Marrow Transplant Recipients, Department of Internal Medicine (P. J. Tutschka), 1 February 1987 through 30 January 1989. (Project 766003 - New)

\$49,836.00 - Sandia National Laboratories, Livermore, California, Development of Destructive and Nondestructive Evaluation Methods for Inertia Welds Between Similar and Dissimilar Alloys, Department of Welding Engineering (L. Adler), 1 March 1987 through 28 February 1988. (Project 765980 - New)

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Industrial Research Contracts/Grants (contd)

\$48,273.00 - Martin Marietta Corporation, Oak Ridge, Tennessee, High Strain Rate Testing of A533B Steel at Various Temperatures, Department of Engineering Mechanics (A. Gilat), 1 April 1987 through 31 March 1988. (Project 766019 - New)

\$36,250.00 - International Business Machines Corporation, Yorktown Heights, New York, Development of Phenomenological Relativistic Approach to Nuclear Physics, Department of Physics (B. C. Clark), 1 April 1987 through 31 March 1988. (Project 765137 - Continuation)

\$23,000.00 - International Clinical Laboratories, Inc., Nashville, Tennessee, Feasibility Study on the Application of the Scanning Laser Imaging Instrument for Quantitative Immunofluorescence Analysis of Biological Material, Cancer Research Center (L. D. Tomei), Department of Veterinary Pathobiology (J. R. Blakeslee), Department of Internal Medicine (M. F. Para), and College of Pharmacy (J. M. Jagadeesh), 1 March 1987 through 31 August 1987. (Project 766007 - New)

\$14,000.00 - Kord Products Limited, Burlington, Ontario, Canada, Evaluation of Copper Treated Pots, Department of Horticulture - OARDC and Department of Horticulture (D. K. Struve), 1 April 1987 through 31 March 1988. (Project 766002 - New)

\$1,080.00 - American Electric Power Service Corporation, Columbus, Ohio, Contract Consulting Agreement for Mussel Mitigation, Department of Zoology (D. H. Stansbery), 1 April 1987 through 30 September 1987. (Project 765732 - Continuation)

\$800.00 - Cytogen Corporation, Princeton, New Jersey, Cytogen Travel Award, Department of Pathology (R. F. Barth), 1 April 1987 through 30 June 1987. (Project 766015 - New)

\$750.00 - The Conover Company, Omro, Wisconsin, Math on the Job: Graphic Artist, The National Center for Research in Vocational Education (R. D. Ryan, Jr.), 15 April 1987 through 15 May 1987. (Project 766014 - New)

TOTAL - INDUSTRIAL AWARDS \$ 644,071.00

Other Non-Federal Research Contracts/Grants

\$150,000.00 - Ohio University, Athens, Ohio, Molecular Farming: Recombinant Gene Expression in Bovine Mammary Gland and Hen Oviduct, Department of Dairy Science - OARDC (F. L. Schanbacher and C. Hodgson), 1 October 1986 through 30 June 1987. (Project 766005 - New)

\$100,000.00 - American Health Assistance Foundation, Rockville, Maryland, Stimulation of Lipolytic Enzymes in Alzheimer's Disease, Department of Physiological Chemistry (A. A. Farooqui), 1 April 1987 through 31 March 1989. (Project 765989 - New)

\$96,900.00 - Virginia Power, Richmond, Virginia; South Carolina Electric and Gas, Jenkinsville, South Carolina; and Detroit Edison, Detroit,

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Other Non-Federal Research Contracts/Grants (contd)

Michigan, Consortium for the Development of Instructor Training Materials for the Electric Power Industry - Phase II, The National Center for Research in Vocational Education (R. D. Ryan, Jr.), 1 April 1987 through 31 July 1988. (Project 766021 - Continuation)

\$85,675.00 - Muscular Dystrophy Association, New York, New York, Clinical Investigation of Duchenne Dystrophy: Treatment with Prednisone and Mazindol, Department of Neurology (J. R. Mendell), 1 March 1987 through 29 February 1988. (Project 761360 - Continuation)

\$69,068.00 - Boston University, Boston, Massachusetts, Principles for Machine/Human Compatibility in Manufacturing Systems, Department of Industrial and Systems Engineering (A. B. Bishop), 15 January 1987 through 30 June 1988. (Project 766000 - New)

\$59,495.00 - Children's Hospital, Boston, Massachusetts, Analysis of Normal and Abnormal Gait and Standing Posture in Children and Adults, Department of Surgery (S. R. Simon), 1 February 1987 through 31 January 1988. (Project 765815 - Continuation)

\$47,803.00 - Council on International Educational Exchange, New York, New York, Ministry of Education Intensive English in the U.S.A. for Japanese Teachers of English, English/Second Language (R. N. Kantor), 1 April 1987 through 31 December 1987. (Project 765993 - Continuation)

\$38,062.00 - Food and Agriculture Organization, Rome, Italy, Determination of Genetic Integrity Following Seed Accession Regeneration, Department of Agronomy - OARDC and Department of Agronomy (M. B. McDonald), 1 April 1987 through 31 March 1988. (Project 766022 - New)

\$33,000.00 - American Health Assistance Foundation, Rockville, Maryland, Physical-Chemical Characterization of Human Coronary Arterial Calcification, Oral Biology (D. W. Foreman, Jr.), 1 April 1987 through 31 March 1988. (Project 765987 - Continuation)

\$25,000.00 - American Health Assistance Foundation, Rockville, Maryland, Involvement of Endorphins in Cardiovascular Disease, Department of Pharmacology (G. A. Tejwani), 1 April 1987 through 31 March 1988. (Project 765992 - New)

\$20,000.00 - The Jesselson Foundation, New York, New York, Yemenite Jewelry: Texts, Department of Judaic and Near Eastern Languages and Literatures (R. Ahroni), 1 July 1987 through 30 June 1989. (Project 765995 - New)

\$18,000.00 - Petroleum Research Fund, Washington, D.C., Steady-State and Transient Response Studies of Selective Oxidation of C₄ Hydrocarbons over Impregnated Molybdenum Oxide Catalysts, Department of Chemical Engineering (U. Ozkan), 1 September 1987 through 31 August 1989. (Project 765997 - New)

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Other Non-Federal Research Contracts/Grants (contd)

\$17,500.00 - American Lung Association, New York, New York, Antioxidant Properties of Lower Respiratory Tract Ceruloplasmin, Department of Internal Medicine (E. R. Pacht), 1 July 1987 through 30 June 1988. (Project 765357 - Continuation)

\$10,377.00 - Dublin Local School District, Dublin, Ohio, Adaptive Physical Education Internship, School of Health, Physical Education and Recreation (P. Jansma), 1 September 1987 through 30 June 1988. (Project 765984 - New)

\$10,000.00 - The Lucius N. Littauer Foundation Inc., New York, New York, Yemenite Jewry: Texts, Department of Judaic and Near Eastern Languages and Literatures (R. Ahroni), 1 July 1988 through 30 June 1989. (Project 765994 - New)

\$6,149.00 - Cancer Therapy and Research Foundation of South Texas, San Antonio, Texas, Multidisciplinary Participation in the Cancer Control Activities of the Southwest Oncology Group, Department of Pathology (R. O'Toole), 1 January 1987 through 31 December 1987. (Project 761460 - Continuation)

\$5,500.00 - North Atlantic Treaty Organization, Brussels, Belgium, Pulse Radiolysis Studies of Xanthine Oxidase, Department of Physiological Chemistry (C. R. Hille), 1 April 1987 through 31 March 1988. (Project 765978 - New)

\$4,998.00 - American Animal Hospital Association Foundation, Denver, Colorado, Studies of Neutrophil Function and Kinetics in Feline Leukemia Virus Infected Cats, Department of Veterinary Pathobiology (G. J. Kociba), 1 May 1987 through 30 April 1988. (Project 766020 - New)

\$4,974.50 - American Animal Hospital Association Foundation, Denver, Colorado, Morphology of Pulmonary Parenchymal Lymphatics and Pulmonary Efferent Mediastinal Lymphatics in Dogs with Experimental Chylothorax, Department of Veterinary Clinical Sciences (S. J. Birchard), 1 March 1987 through 29 February 1988. (Project 765940 - New)

\$4,880.00 - Egyptian Cultural and Educational Bureau, Washington, D.C., Peace Fellowship Program, Department of Entomology (S. W. Fisher), 6 January 1987 through 5 November 1987. (Project 766012 - New)

\$4,767.00 - Family Health Foundation of America, Kansas City, Missouri, Play Activity with Anatomically Correct Dolls: Is There a Difference Between Preschool Age Children Referred for Sexual Abuse and Those Not Referred?, Department of Family Medicine (R. E. Ricer), 1 April 1987 through 31 March 1988. (Project 766001 - New)

\$4,626.00 - Cancer Therapy and Research Foundation of South Texas, San Antonio, Texas, Multidisciplinary Participation in the Cancer Control Activities of the Southwest Oncology Group, Department of Internal Medicine (M. R. Grever), 1 January 1987 through 31 December 1987. (Project 764689 - Continuation)

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Other Non-Federal Research Contracts/Grants (contd)

\$4,000.00 - GTE Foundation, Stamford, Connecticut, Ethical Issues in Biotechnology, Department of Agricultural Economics and Rural Sociology (M. F. Kenney), 1 April 1987 through 30 June 1988. (Project 766026 - New)

\$3,175.00 - Cancer Therapy and Research Foundation of South Texas, San Antonio, Texas, Multidisciplinary Participation in the Cancer Control Activities of the Southwest Oncology Group, Department of Internal Medicine (S. P. Balcerzak), 1 January 1987 through 31 December 1987. (Project 763118 - Continuation)

\$2,500.00 - Ohio Pork Producers Council, Westerville, Ohio, Effect of Feeding Fat to Lactating Sows in Overcoming Anestrus Problems, Department of Animal Science - OARDC and Department of Animal Science (D. C. Mahan), 1 January 1987 through 31 December 1987. (Project 765981 - New)

\$218.00 - Cancer Therapy and Research Foundation of South Texas, San Antonio, Texas, Multidisciplinary Participation in the Cancer Control Activities of the Southwest Oncology Group, Department of Internal Medicine (S. P. Balcerzak), 1 February 1985 through 30 June 1987. (Project 765208 - Continuation)

TOTAL - OTHER NON-FEDERAL AWARDS \$ 826,667.50

ENGINEERING EXPERIMENT STATION

State Sponsored Research and Development

\$10,000.00 - Additional funding from Edison Partnership Program, Columbus, OH, and Huntsman Chemical, Columbus, OH, "Improvement of Processibility and Mechanical Properties of High Impact Polystyrene through Better Reactor Design and Control," Department of Chemical Engineering, 1 January 1987 through 31 December 1987. (529721, Ext. 1)

\$2,641.00 - Ohio Department of Transportation, Columbus, OH, "Orientation Course for ODCT Summer Employment," Department of Civil Engineering, 30 March 1987 through 30 June 1987. (529726)

TOTAL - STATE SPONSORED RESEARCH \$ 12,641.00

Industrial and Other Sponsored Research and Development

\$90,471.00 - Second year funding from Universal Energy Systems, Inc., Dayton, OH, "Advanced Simulation Language & Multi-Computer Design for Improving the Performance of Modeling and Control of Metal Forming Processes," Department of Computer and Information Science, 15 November 1985 through 30 September 1987. (312869, Ext. 1)

\$65,233.00 - Additional funding from IBM Corporation, Yorktown Heights, NY, "A Micro/370 Based Fault-Tolerant Multiprocessor Architecture," Department of Electrical Engineering, 15 March 1986 through 15 March 1988. (529703, Ext. 1)

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

ENGINEERING EXPERIMENT STATION (contd)

Industrial and Other Sponsored Research and Development (contd)

\$55,000.00 - Lockheed Missiles & Space Company, Inc., Sunnyvale, CA, "Lockheed Scattering Research," Department of Electrical Engineering, 23 February 1987 through 31 January 1988. (529725)

\$43,502.00 - The Whitaker Foundation, Camp Hill, PA, "Prototype Graphic Communication Device for Deaf Persons," Department of Engineering Graphics, 1 April 1987 through 31 March 1988. (312408)

\$33,025.00 - The American Electric Power Service Corp., Columbus, OH, "The Determination of Synchronous Machine Stability Study Constants for the Rockport Unit 1-HP," Department of Electrical Engineering, 1 May 1987 through 31 October 1988. (312409)

\$23,189.00 - from 19 sponsors of 29 development projects under the direction of four research areas/departments.

\$20,000.00 - Texas Instrument, McKinney, TX, "Compact Radar Cross Section Measurement Ranges Research and Development Consortium," Department of Electrical Engineering, 1 July 1986 through 30 June 1987. (312884, Ext. 3)

\$15,000.00 - Southwest Research Institute, San Antonio, TX, "A Fracture Mechanics Assessment of the Slow Crack Growth Test for Polyethylene Gas Pipes," Department of Engineering Mechanics, 15 April 1987 through 31 May 1987. (529727)

\$11,819.00 - Additional funding from Parker Hannifin Corp., Cleveland, OH, "Fitting Fabrication by Welding," Department of Welding Engineering, 1 July 1984 through 30 September 1986. (529656, Ext. 2)

\$10,000.00 - Additional funding from General Motors Technical Center, Warren, MI, "Improving the Resistance of High Strength Fasteners to Hydrogen Embrittlement," Department of Metallurgical Engineering, 1 September 1985 through 31 August 1987. (529695, Ext. 1)

\$4,000.00 - From various industry for membership in "The Engineering Research Center on Net-Shape Manufacturing," Engineering Experiment Station. (529200)

\$2,440.00 - NATO Scientific Affairs Division, Brussels, Belgium, "The Influence of Cracks in a Damaging Material," Department of Engineering Mechanics, 1 May 1987 through 30 April 1988. (529728)

TOTAL - INDUSTRIAL AND OTHER SPONSORED RESEARCH \$ 373,679.00

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND

Establishment of Named Funds

R. David Thomas Cancer Research Institute Endowment Fund

The R. David Thomas Cancer Research Institute Endowment Fund was established June 5, 1987, by the Board of Trustees of The Ohio State

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

Establishment of Named Funds (contd)

R. David Thomas Cancer Research Institute Endowment Fund (contd)

University with gifts to The Ohio State University Development Fund from the suppliers and franchise owners of Wendy's International, 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 shall be used to support cancer research as approved by the Medical Director of the Cancer Research Institute and the Dean of the College of Medicine. If it is determined that funding for cancer research is so ample, then the income from this fund may be used for those purposes as deemed appropriate by the Medical Director of the Cancer Research Institute.

It is the desire of the donors that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in order to carry out the desire of the donors.

The Steve R. and Sarah E. O'Donnell
Computer and Information Science Fund

The Steve R. and Sarah E. O'Donnell Computer and Information Science Fund was established June 5, 1987, by the Board of Trustees of The Ohio State University with a gift to The Ohio State University Development Fund from Steve R. O'Donnell (B.E.E. '62, M.S. Electrical Engineering '63) and Sarah E. O'Donnell of Westerville, 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 may be deemed appropriate.

The annual income shall be used for those purposes which will aid the research, teaching and service programs/facilities within the Department of Computer and Information Science. The Chairperson of the Department of Computer and Information Science is authorized to withdraw no more than one-fourth of the principal amount of the endowment over a 12-month period if necessary. The Chairperson of the Department of Computer and Information Science will have sole authority to authorize expenditures from the Fund, as approved by the Dean of the College of Engineering.

It is the desire of the donors that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in order to carry out the desire of the donors.

June 4 and 5, 1987 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 Steve R. and Sarah E. O'Donnell Endowment Fund
in Electrical Engineering**

The Steve R. and Sarah E. O'Donnell Endowment Fund in Electrical Engineering was established June 5, 1987, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from Steve R. O'Donnell (B.E.E. '62 and M.S. Electrical Engineering '63) and Sarah E. O'Donnell of Westerville, 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 shall be used for those purposes which will aid the research, teaching and service programs/facilities within the Department of Electrical Engineering. The Chairperson of the Department of Electrical Engineering will have sole authority to authorize expenditures from the Fund, as approved by the Dean of the College of Engineering.

It is the desire of the donors that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in order to carry out the desire of the donors.

The Department of Philosophy Faculty Support Fund

The Department of Philosophy Faculty Support Fund was established June 5, 1987, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from Steve R. O'Donnell (B.E.E. '62, M.S. Electrical Engineering '63) and Sarah E. O'Donnell of Westerville, 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 shall be used to provide support for Faculty Research and Instructional Enrichment including professorial appointments at the discretion of the Chairperson of the Department of Philosophy and the Dean of the College of Humanities.

It is the desire of the donors that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in order to carry out the desire of the donors.

June 4 and 5, 1987 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 Clara M. and Peter L. Scott Faculty Award
for Excellence in Engineering Education**

The Clara M. and Peter L. Scott Faculty Award for Excellence in Engineering Education was established June 5, 1987, by the Board of Trustees of The Ohio State University with a gift to The Ohio State University Development Fund from Clara M. and Peter L. Scott (B.E.E. '49).

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 may be deemed appropriate.

All income earned through the investment of specific fund monies, including all contributions thereto, will be accumulated and credited to the fund's principal until such time as one-half of the annual income of the fund will support an award of at least \$3,000, plus associated expenses for an appropriate plaque or certificate to accompany the award. Upon such times as one-half of the annual income of the fund equals \$3,000 or more (plus expenses), but no more often than annually, the award will be made of an amount equal to one-half of the annual income. The remaining half of the annual income will be accumulated and credited to the fund's principal. The award will be presented to the outstanding educator among the senior faculty members of the College of Engineering and will be based on excellence in teaching and the qualitative aspects of teaching, with emphasis on effective innovation. As a rule, the award will be made to an individual (except under unique circumstances in any year that suggests a team should receive the award).

Nominations for the award will be made by faculty members of the College of Engineering, and the final selection of the recipient 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.

It is the desire of the donors that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in order to carry out the desire of the donors.

Michael Del Bane Memorial Cancer Research Fund

The Michael Del Bane Memorial Cancer Research Fund was established June 5, 1987, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from Angeline C. Del Bane (B.S.Ed. '35), Hubbard, Ohio, in memory of her husband, Michael Del Bane.

June 4 and 5, 1987 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

Establishment of Named Funds (contd)

Michael Del Bane Memorial Cancer Research 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 shall be used to support cancer research as approved by the Medical Director of the Cancer Research Institute and the Dean of the College of Medicine. If it is determined that funding for cancer research is so ample, then the income from this fund may be used for those purposes as deemed appropriate by the Medical Director of the Cancer Research Institute.

It is the desire of the donor that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in order to carry out the desire of the donor.

Hazen and Anna Jane Hildebolt Preble County Scholarship Fund

The Hazen and Anna Jane Hildebolt Preble County Scholarship Fund was established June 5, 1987, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from William M. Hildebolt (B.S. Food Tech. '66; M.S. Horticulture '67; Ph.D. Horticulture '69) and his wife, Sandra, in honor of William's parents.

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 shall be used to provide one or more scholarships to students from Preble County who are interested in majoring in Agriculture or Home Economics. Criteria for selection shall include outstanding scholastic achievement and demonstrated leadership potential through extra-curricular activities. Preference will be given to those students with financial need. Preference will also be given to those students in their senior year of study at Eaton High School. In the event that there are no eligible candidates from Eaton High School, then the selection will be made from eligible high school seniors within Preble County. Selection will be made by the University Committee on Student Financial Aid in consultation with the Deans of the College of Agriculture and the College of Home Economics.

It is the desire of the donors that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in order to carry out the desire of the donors.

June 4 and 5, 1987 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 Hulda Ungericht Wells Scholarship Fund

The Hulda Ungericht Wells Scholarship Fund was established June 5, 1987, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund through a bequest from Hulda Ungericht Wells (B.S.H.E. '28) of Columbus, Ohio, and a gift from her sister, Helen C. Ungericht of Columbus, Ohio, in her 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 shall be used to provide scholarships in the College of Home Economics not to exceed the sum of One Thousand Five Hundred Dollars (\$1,500) to deserving students in the College of Home Economics. The recipients shall be selected at the discretion of the Dean of the College of Home Economics in consultation with the University Committee on Student Financial Aid. These scholarships may, at the Dean's discretion, be awarded to the same students in successive years.

It is the desire of the donors that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in order to carry out the desire of the donors.

Richland County Ohio State University Alumni Club
The Ohio State University at Mansfield
Scholarship Endowment Fund

The Richland County Ohio State University Alumni Club The Ohio State University at Mansfield Scholarship Endowment Fund was established June 5, 1987, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from the Richland County Ohio State University Alumni Club.

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.

A minimum of 95% of the annual income shall be distributed to scholarship recipients qualified under the criteria established, with no scholarship recipient receiving less than 50% of the amount of the tuition, at the time of the award, for a full academic year.

The purpose of the Richland County Alumni Club Scholarship is to recognize academic ability and outstanding leadership in a student(s) who will begin his/her college experience at The Ohio State University at Mansfield. The guidelines to be used in determining the recipient of the award are as follows:

June 4 and 5, 1987 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

Establishment of Named Funds (contd)

Richland County Ohio State University Alumni Club
The Ohio State University at Mansfield
Scholarship Endowment Fund (contd)

1. This award is to recognize ability, achievement, and leadership qualities without regard for financial need.
2. Selection preference will be given to a current year high school senior, residing in Richland county, who will attend Autumn Quarter at The Ohio State University at Mansfield.
3. The recipient will rank in the upper 25% of the graduating class (preferably the upper 10%); have above average ACT or SAT scores; and have demonstrated significant leadership qualities through school activities and/or community involvement.
4. The amount of this award shall equal one-half the amount of a full year -- three quarters -- full tuition budget. The award amount may be increased up to full tuition, as the growth of the endowment fund permits.
5. This three quarter scholarship will become renewable at that point when the growth of the fund can sustain renewable scholarships. The criteria for renewal shall be that the recipient:
 - a. Maintains his/her enrollment at OSU Mansfield and
 - b. Has a cumulative grade point average of 2.5 or better and has maintained satisfactory progress toward a degree.
6. If the student leaves OSU Mansfield within an academic year, the unused portion of the award will revert to the Richland County Alumni Scholarship Fund.
7. The appropriate authorities at The Ohio State University at Mansfield, in consultation with the University Committee on Student Financial Aid and the Richland County Alumni Club, will select the recipient of this award from a candidate pool identified by the Richland County OSU Alumni Club.

It is the desire of the donors that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in order to carry out the desire of the donors.

June 4 and 5, 1987 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 Ichthyology Research Endowment Fund

The Ichthyology Research Endowment Fund was established June 5, 1987, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from supporters of the Ichthyology collection in the Museum of Zoology of the College of Biological Sciences.

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 shall be used for research and publication on the collection of Fishes, recent and fossil, in The Ohio State University Museum of Zoology. Expenditures from the fund will be initiated by the Curator of Fishes as approved by the Chairperson of the Department of Zoology and the Dean of the College of Biological Sciences.

It is the desire of the donors that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in order to carry out the desire of the donors.

Change of Name and Description of Named Funds

The Dr. Lewis R. Basch and Dr. Richard L. Basch Memorial Award

The Richard L. Basch Memorial Learning Resource Fund was established March 4, 1977, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund in memory of Richard L. Basch (D.D.S. '61) and Lewis R. Basch (D.D.S. '25) from family, friends, and former colleagues. The name and description were changed June 5, 1987.

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 shall be used to provide one or more scholarships to a junior dental student who has displayed superior clinical abilities and outstanding communication abilities working with patients humanistically and professionally. The scholarship recipient will be selected by the University Committee on Student Financial Aid in consultation with the Dean of the College of Dentistry.

It is the desire of the donors that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in order to carry out the desire of the donors.

June 4 and 5, 1987 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 Funds (contd)

Intercollegiate Livestock and Meat Judging Teams 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 to The Ohio State University Development Fund from alumni and friends. The name and description were changed June 5, 1987.

It was established under the name "Intercollegiate Livestock Evaluation Team Endowment Fund" which was intended to include: 1) Livestock Team; 2) Meat Team; and 3) AK-SAR-BEN Team.

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 provide support for The Ohio State University Undergraduate Livestock, Meat, and AK-SAR-BEN Judging Squads (Teams) in preparation for and/or in representing the University in regional and national intercollegiate contests and associated educational program. Funds will be distributed by the Chairperson of the Department of Animal Science.

It is the desire of the donors that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in order to carry out the desire of the donors.

The Lee D. Moody Civil Engineering Loan Fund

The Lee D. Moody Scholarship Fund was established June 8, 1978, by the Board of Trustees of The Ohio State University with a bequest to The Ohio State University Development Fund from Lee D. Moody (B.C.E. '32) of Springfield, Ohio. This Fund was amended at the request of the donor's family June 5, 1987.

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 shall be used to provide interest free loans to graduate and undergraduate students in the Department of Civil Engineering. The selection of the recipients is to be made by the Chairperson of Civil Engineering. Loan repayments will be made at the direction of the Department Chairperson with the administrative assistance of the Office of Student Financial Aid. All loan payments will be returned to the principal of the endowment. In addition, awards of not more than fifteen percent (15%) of the distributed annual income may be given to students as designated by the Chairperson of the

June 4 and 5, 1987 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 Funds (contd)

The Lee D. Moody Civil Engineering Loan Fund (contd)

Department of Civil Engineering. The annual income not spent at the end of the fiscal year, as either loan or award as described above, shall be reinvested in the principal of the endowment.

It is the desire of the donor that this fund should benefit the University in perpetuity. If the need for this Fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in consultation with the administrative official in charge of the Department of Civil Engineering in order to carry out the desire of the donor.

Change in Description of Named Funds

The Henry and Blanche Abell Endowment Fund

The Henry and Blanche Abell Endowment Fund was established April 3, 1987, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from Mr. Carl T. Abell (B.S.Dairy Tech. '49) of Medina, Ohio, and his wife, Ruth D. Abell, as recognition for and in honor of his parents, Henry and Blanche Abell. The description was changed June 5, 1987.

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 shall be divided equally between the Department of Food Science and Nutrition in the College of Agriculture and the wrestling program in the Athletic Department. The use of said funds shall be at the discretion of the Chairperson of the Department of Food Science and Nutrition and the Coach and/or Director of the wrestling program.

Should the need for these funds cease to exist or so diminish in either of these programs or departments, then 100% of the annual income shall be distributed to the other department or program. Should the need for these funds cease to exist in both programs or departments, 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 officials of the University who are then directly responsible for the College of Agriculture and the Department of Athletics.

The John McKitrick Family Fund

The John McKitrick Family Fund was established March 6, 1987, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from John and Ann McKitrick. Their

June 4 and 5, 1987 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

Change in Description of Named Funds (contd)

The John McKitrick Family Fund (contd)

daughters, Mindy McKitrick Roberts and Mary McKitrick Reames, have each arranged for deferred gifts of \$200,000. The description was changed June 5, 1987.

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 shall be divided into percentages and distributed as follows. Each of the following areas is to receive 10% of the annual interest income: College of Agriculture (Department of Dairy Science, Dairy Cattle Judging Team), College of Home Economics, 4-H Support fund, Mershon Auditorium, and WOSU. The Department of Athletics is to receive 50% of the annual interest income. The interest income is to be used by the head of each area in any way they see fit to maintain or improve their level of excellence.

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 various areas mentioned above.

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**REQUEST FOR CONSTRUCTION BIDS AND
ESTIMATE OF COST - FUNDING
ARPS PARKING GARAGE EXPANSION**

Resolution No. 87-137

Synopsis: Authorization to request construction bids is proposed.

WHEREAS the plans and specifications for this project have been completed and, at the request of the Vice President for Business and Administration, the President recommended that the Board of Trustees authorize the request for construction bids.

Project: Addition of two floors to the existing garage which will provide 288 parking spaces, a new elevator, new lighting, and new directional signage.

Funding: University Funds

Estimated Construction Cost: \$2,409,650.00

Estimated Project Cost: \$2,584,060.00

June 4 and 5, 1987 meeting, Board of Trustees

**REQUEST FOR CONSTRUCTION BIDS AND
ESTIMATE OF COST - FUNDING
ARPS PARKING GARAGE EXPANSION (contd)**

NOW THEREFORE

BE IT RESOLVED, That the President and/or Vice President for Business and Administration be authorized, in accordance with established University procedures, to request construction bids on this project, and if satisfactory bids are received, to award the necessary contracts, with all actions to be reported to this Board at the appropriate time.

Upon motion of Mr. Immke, seconded by Ms. Casto, 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. 87-138

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, in accordance with established University procedures, to employ an architect/engineer, to request bids and, if satisfactory bids were received, to award the necessary contracts for the following projects:

**NORTHWEST UTILITIES - PHASE I
ELECTRIC/COMMUNICATIONS**

Description: This portion of the project provides for the extension of primary electric service to the northwest quadrant of the campus, including the Multi-Sport Complex, Fawcett Center, the new Child Care Center, the new Stores & Receiving Building, Bulk Chemical Warehouse, Service Building Annex, and the Laundry/Print Facility. This electrical service will connect to the existing facilities as well as be in place to service future development, eventually making the University capable of supplying its own electrical service. Construction is scheduled to begin June 10, 1987, and be totally completed by October 30, 1987.

Electric Contract

Date Received:	April 20, 1987
No. of Bids:	3
Low Bid:	\$ 664,000.00*
High Bid:	\$1,441,300.00*
Estimate of Cost:	\$1,963,500.00*

*Recommended alternates reflected in these figures.

June 4 and 5, 1987 meeting, Board of Trustees

REPORT OF AWARD OF CONTRACTS AND
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)

NORTHWEST UTILITIES - PHASE I
ELECTRIC/COMMUNICATIONS (contd)

Electric Contract (contd)

Awarded to:	Jess Howard Electric, Blacklick, OH
Total Electric Contract:	\$ 664,000.00*
Total All Contracts:	\$ 664,000.00*
Tie-in to Stores & Receiving:	\$ 40,353.00
Tie-in to Child Care Center:	\$ 20,724.42
Cable and Material:	\$ 387,274.70
Total Contingency Allowance:	\$ 66,493.03 (which is 10 percent of construction costs)
Total Project Cost:	\$1,242,500.00*
Funding:	1986 Series A and B Bonds

*Recommended alternates reflected in these figures.

HAMILTON HALL RENOVATION PHASE I - GRAVES HALL

Description: This project provides for the renovation of the central laboratory areas on the third floor of Graves Hall to accommodate the temporary relocation necessitated by the Hamilton Hall Renovation project. Construction is scheduled to begin June 1987 and be completed December 1987.

General Contract

Date Received:	April 2, 1987
No. of Bids:	8
Low Bid:	\$ 25,397.00
High Bid:	\$ 46,440.00
Estimate of Cost:	\$ 35,000.00
Awarded to:	O B Construction Inc., Columbus, OH

Mechanical Contract

Date Received:	April 2, 1987
No. of Bids:	3

June 4 and 5, 1987 meeting, Board of Trustees

REPORT OF AWARD OF CONTRACTS AND
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)

HAMILTON HALL RENOVATION PHASE I - GRAVES HALL (contd)

Mechanical Contract (contd)

Low Bid: \$ 27,200.00
High Bid: \$ 42,400.00
Estimate of Cost: \$ 28,000.00
Awarded to: F J Hoff Mechanical, Inc., Columbus, OH

Electric Contract

Date Received: April 2, 1987
No. of Bids: 6
Low Bid: \$ 11,089.00
High Bid: \$ 19,630.00
Estimate of Cost: \$ 12,000.00
Awarded to: Frush & Homan, Columbus, OH

Total All Contracts: \$ 63,686.00
Total Contingency Allowance: \$ 5,087.44 (which is 8 percent of construction costs)
Total Project Cost: \$ 70,400.00
Funding: HB 870

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. Teaford, seconded by Mrs. Bowser, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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PURCHASE OF PROPERTY
1503 ACRES IN BATH, OHIO

Resolution No. 87-139

Synopsis: Authorization and ratification of acts to execute an agreement to purchase 1503 acres in the City of Bath, Summit and Medina Counties, Ohio, from the Raymond C. Firestone Trust U/A dated December 4, 1985.

June 4 and 5, 1987 meeting, Board of Trustees

**PURCHASE OF PROPERTY
1503 ACRES IN BATH, OHIO (contd)**

WHEREAS The Ohio State University has been presented by Raymond C. Firestone with an opportunity to acquire 1503 acres of land known as the Lauray Farm located in the City of Bath, Summit and Medina Counties, Ohio; and

WHEREAS this property has an appraised value of approximately \$8,000,000.00 and Raymond C. Firestone through the Raymond C. Firestone Trust has offered to make a substantial gift to the University by offering to sell the property upon Mr. Firestone's death for \$5,000,000.00; and

WHEREAS the appropriate University officers have determined that entering into the agreement to purchase this property and acceptance of the gift of Mr. Firestone is in the best interest of the University; and

WHEREAS the University is very appreciative of Mr. Firestone's generosity and the assistance provided by Mr. Daniel Galbreath in aiding in receiving this gift:

NOW THEREFORE

BE IT RESOLVED, That the President and/or Vice President for Business and Administration be authorized to take such action necessary to enter into an agreement to purchase, in the name of the Board of Trustees, upon Mr. Firestone's death, the 1503 acres from the Raymond C. Firestone Trust, which property is comprised of the tax parcels listed on Exhibit A attached hereto, for the sum of \$5,000,000.00 and upon such terms and conditions as they consider to be in the best interest of the University; and to accept the gift of Mr. Firestone on behalf of the Board of Trustees; and

BE IT FURTHER RESOLVED, That the Board hereby ratifies and confirms all actions taken by the President and/or the Vice President for Business and Administration to effectuate this transaction, including, but not limited to, the execution of a purchase agreement among The Ohio State University, the Raymond C. Firestone Trust, and the Raymond C. Firestone Co., dated May 22, 1987.

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

EXHIBIT A

TRACT 1 (Bath Township, Summit County)

<u>Parcel No.</u>	<u>Land Size</u>
04-00317	42.25 ac.
04-00849	33.70 ac.
04-00852	16.84 ac.
04-00859	122.32 ac.
04-00868	108.43 ac.
04-00874	13.04 ac.
04-00877	0.16 ac.
04-00880	89.64 ac.

June 4 and 5, 1987 meeting, Board of Trustees

EXHIBIT A (contd)

TRACT 1 (contd)

04-00881	3.22 ac.
04-00882	5.45 ac.
04-00884	49.26 ac.
04-00885	5.14 ac.
04-00888	1.00 ac.
04-03835	3.72 ac.
04-03837	32.73 ac.
+pro-rata portion	
04-00850	<u>40.28 ac.±</u>
TOTALS	567.18 ac.±

TRACT 2 (Bath Township, Summit County)

<u>Parcel No.</u>	<u>Land Size</u>
pro-rata portion	
04-00850	63.52 ac.±
04-00853	1.84 ac.
04-00878	<u>0.26 ac.</u>
TOTALS	65.62 ac.±

TRACT 3 (Bath Township, Summit County)

<u>Parcel No.</u>	<u>Land Size</u>
04-00887	16.00 ac.

TRACT 4 (Bath Township, Summit County)

<u>Parcel No.</u>	<u>Land Size</u>
04-00855	15.00 ac.
04-00858	15.00 ac.
04-00861	33.00 ac.
04-00864	48.65 ac.
04-00869	66.29 ac.
04-00872	37.62 ac.
04-00886	<u>7.42 ac.</u>
TOTALS	222.98 ac.

TRACT 5 (Summit County)

<u>Parcel No.</u>	<u>Land Size</u>
<u>Bath Township</u>	
04-00851	50.75 ac.

June 4 and 5, 1987 meeting, Board of Trustees

EXHIBIT A (contd)

TRACT 5 (contd)

04-00854	10.20 ac.
04-00857	0.87 ac.
04-00860	20.93 ac.
04-00863	48.27 ac.
04-00866	19.83 ac.
04-00871	85.00 ac.
04-00873	24.50 ac.
04-00875	43.50 ac.
04-00876	<u>84.74 ac.</u>
Totals	388.59 ac.

Richfield Township

48-00189	4.01 ac.
48-00190	<u>2.00 ac.</u>
Totals	6.01 ac.

TOTALS	
TRACT 5	394.60 ac.

TRACT 6 (Granger Township, Medina County)

<u>Parcel No.</u>	<u>Land Size</u>
005-005-00-	
005-00	80.51 ac.
006-00	4.50 ac.
007-00	4.75 ac.
008-00	32.66 ac.
009-00	17.89 ac.
014-00	31.00 ac.
016-01	27.465 ac.
022-01	<u>15.27 ac.</u>
TOTALS	214.045 ac.

TRACT 7 (Separate Homesites - Bath Township, Summit County)

<u>Parcel No.</u>	<u>Land Size</u>
<u>1884 Cleveland-Massillon Road</u>	
04-00889	0.72 ac.
<u>3813 Ira Road</u>	
04-00870	1.95 ac.
<u>3825 Ira Road</u>	
04-00862	0.48 ac.

June 4 and 5, 1987 meeting, Board of Trustees

EXHIBIT A (contd)

TRACT 7 (contd)

3837 Ira Road

04-00856 4.43 ac.

3917 Ira Road

04-00865 5.26 ac.

2070 Medina Line Road

04-00867 10.00 ac.

TOTALS

TRACT 7 22.84 ac.

TOTAL ALL SUBJECT PROPERTY 1,503.265 ac.

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PURCHASE OF REAL PROPERTY
239 WEST TENTH AVENUE AND 1574-76 NEIL AVENUE
COLUMBUS, OHIO

Resolution No. 87-140

Synopsis: Purchase of real property at 239 West Tenth Avenue and 1574-76 Neil Avenue in Columbus, Ohio, is proposed.

WHEREAS The Ohio State University has been presented with an opportunity to purchase two pieces of real property, one comprising 0.14 acres at 239 West Tenth Avenue and the other comprising 0.18 acres at 1574-76 Neil Avenue in Columbus, Ohio; and

WHEREAS these properties have a total appraised value of \$195,000.00, and the owner, Mr. Richard Schuen of Grandview Heights, Ohio, has offered to sell the properties to the University at a price of \$192,000.00; and

WHEREAS these properties are located within the south campus acquisition boundary of the University's Master Plan, and the appropriate University officers have determined that the purchase of these properties is in the best interest of the University; and

WHEREAS funds for the purchase of these properties will be provided from University funds resulting from the previous sale of south campus properties outside the acquisition boundary and from the sale of other properties:

NOW THEREFORE

BE IT RESOLVED, That the President and/or the Vice President for Business and Administration be authorized to purchase, in the name of the State of

June 4 and 5, 1987 meeting, Board of Trustees

**PURCHASE OF REAL PROPERTY
239 WEST TENTH AVENUE AND 1574-76 NEIL AVENUE
COLUMBUS, OHIO (contd)**

Ohio for the use of The Ohio State University, the real property located at 239 West Tenth Avenue and 1574-76 Neil Avenue at a price not to exceed \$192,000.00, upon such terms and conditions as are deemed to be in the best interest of the University, subject to the University receiving the necessary approvals from the Ohio Board of Regents and the State Controlling Board.

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

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President Jennings made the following statement:

The uncertainties of action by the General Assembly preclude us bringing a budget for approval to the Trustees today, as would be our normal schedule. While I will not be able to bring a 1987-88 budget until our July 10 meeting, we do need to give our students some indication of what tuition rates will be for next Autumn Quarter.

As you may recall, the Executive Budget would have required a tuition increase of 31 percent. Today, as a result of additions by the House and Senate and our own cost containment efforts, that 31 percent increase for Ohio undergraduate students can be reduced to 7.9 percent provided the Conference Committee holds with what the Senate passed last week.

We very much appreciate the support of the Ohio House and the Senate. But I should remind you that more than half of this reduction from 31 percent to 7.9 percent is due to our own cost containment activities.

If the Senate dollar figures and budget language are retained by the Conference Committee, it is my intention to bring to this Board in July a balanced budget which contains a tuition increase of 7.9 percent for Ohio undergraduate resident students. However, the tuition increases for non-resident students will exceed that level, as we begin to bring various non-resident tuition levels more in line with established norms.

Non-resident student tuition is typically three times that of resident students. Over the past several years, relative levels of non-resident tuition for undergraduate, graduate, and law students have not kept pace. We are initiating a multi-year approach to returning them to the average three-to-one ratio. We will recommend that the total tuition increase for non-resident students be approximately 11.5 percent.

In addition, we will bring to the Board a budget that is in accordance with the other planning guidelines I presented at our May meeting.

However, the University requires appropriate spending authority the first day of the new fiscal year on July 1 until this Board

June 4 and 5, 1987 meeting, Board of Trustees

President Jennings: (contd)

meets again on July 10. I am therefore recommending that this Board consider and pass the enclosed resolution, which will provide spending authority for those days at a level not to exceed that of the level of state support provided by the Senate appropriations recommendation. At the July meeting, we will bring to you for your approval the complete University budget.

EXPENDITURE AUTHORIZATION 1987-88

Resolution No. 87-141

Synopsis: Authorization to make interim expenditures in Fiscal Year 1987-88 is requested.

WHEREAS levels of State financial support for 1987-88 have not yet been established; and

WHEREAS this University must proceed with its budget planning for 1987-88 even with the current uncertainties in State revenues; and

WHEREAS it is necessary to authorize expenditures for 1987-88 to be effective July 1, 1987, including payment of faculty and staff, prior to the time that this Board adopts the Current Funds Budget for 1987-88;

NOW THEREFORE

BE IT RESOLVED, That the University be authorized to make expenditures consistent with the budget guidelines and the Provisional Current Funds Budget for Fiscal Year 1987-88, as described in the accompanying table, effective July 1, 1987; 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 1987-88 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. Teaford, seconded by Ms. Casto, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

June 4 and 5, 1987 meeting, Board of Trustees

THE OHIO STATE UNIVERSITY
1987-88 PROVISIONAL CURRENT FUNDS BUDGET

All Funds Summary of Resources and Uses

Budgeted Resources

Columbus Campus		
State Appropriations		\$273,968,000
Student Fees		
Instructional, General & Tuition	126,171,000	
Non-Credit Instruction	5,147,000	
Subtotal Student Fees		\$131,318,000
Other Income		
Federal Grants and Contracts	91,995,000	
Ohio Grants and Contracts	9,337,000	
Local Grants and Contracts	10,670,000	
Private Gifts and Grants	46,202,000	
Endowment Income	8,300,000	
Departmental Sales & Services	27,238,000	
Auxiliary Sales & Charges	76,713,000	
Hospital Sales & Services	189,129,000	
Other Sources	15,248,000	
Subtotal Other Income		\$474,832,000
Total Columbus Campus		\$880,118,000
Regional Campuses		
State Appropriations	11,424,000	
Student Fees	7,216,000	
Other Income	3,338,000	
Total Regional Campuses		\$21,978,000
OARDC		
State Appropriations	19,527,000	
Federal	6,550,000	
All Other	4,100,000	
Total OARDC		\$30,177,000
Grand Total - Resources		\$932,273,000

Budgeted Uses

Columbus Campus		
Educational and General Expenditures	590,251,000	
Auxiliaries	72,434,000	
Hospital	197,705,000	
Transfers	15,337,000	
Total Columbus Campus		\$875,727,000
Regional Campuses		
ATI	5,810,000	
Lima	4,528,000	
Mansfield	4,329,000	
Marion	3,483,000	
Newark	3,775,000	
Total Regional Campuses		\$21,925,000
OARDC		\$30,177,000
Grand Total - Uses		\$927,829,000

June 4 and 5, 1987 meeting, Board of Trustees

EXPRESSION OF APPRECIATION TO JOHN E. ROGERS

Resolution No. 87-142

WHEREAS John E. Rogers has served as President of the Council of Graduate Students during the past year; and

WHEREAS he has carried out his assignments in a truly outstanding manner; and

WHEREAS John has worked diligently in order to bring matters and concerns of special interest to graduate students to the attention of this Board; and

WHEREAS his resolve, dedication, and support of this University has been evidenced in innumerable ways over the past year:

NOW THEREFORE

BE IT RESOLVED, That this Board expresses to John E. Rogers their thanks and appreciation for his dedicated leadership and service to The Ohio State University, and wishes him and his family happiness, good health, and success in the future.

Upon motion of Mr. Teaford, 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. 87-143

RESOLVED, That the report on the University's Investment Portfolio, dated May 15, 1987, 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, July 9, 1987, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, at 6:30 p.m.

Attest:

Madison H. Scott
Secretary

Edmund C. Redman
Chairman

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

COLUMBUS

July 1, 1987 to June 30, 1988

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1987-1988

T H E O H I O S T A T E U N I V E R S I T Y

Edward H. Jennings, President

BOARD OF TRUSTEES

	Term Beginning	Term Expiring
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 D. Bowser, Williamsport	May 14, 1982	May 13, 1991
Hamilton J. Teaford, Columbus	May 14, 1983	May 13, 1992
John J. Barone, Toledo	May 14, 1984	May 13, 1993
Deborah E. Casto, Columbus	May 14, 1985	May 13, 1994
John W. Kessler, Columbus	May 14, 1986	May 13, 1995
Milton A. Wolf, Cleveland	May 14, 1987	May 13, 1996
Leslie H. Wexner, Columbus	May 14, 1988	May 13, 1997

OFFICERS

Edmund C. Redman, Chairman
Leonard J. Immke, Vice Chairman
Madison H. Scott, Secretary
James L. Nichols, Treasurer

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THE OHIO STATE UNIVERSITY
OFFICIAL PROCEEDINGS OF THE
ONE THOUSAND TWO HUNDRED AND THIRTY-SECOND MEETING
OF THE BOARD OF TRUSTEES

Columbus, Ohio, July 9 and 10, 1987

The Board of Trustees met at its regular monthly meeting on Thursday, July 9, and Friday, July 10, 1987, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, pursuant to adjournment.

* * *
Minutes of the last meeting were approved.
* * *

July 9 and 10, 1987 meeting, Board of Trustees

The Vice Chairman, Mr. Immke, called the meeting of the Board of Trustees to order on July 9, 1987, at 6:35 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: Edmund C. Redman, Chairman, Leonard J. Immke, John W. Berry, Shirley D. Bowser, Hamilton J. Teaford, John J. Barone, John W. Kessler, and Milton A. Wolf.

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Mr. Redman reconvened the meeting on July 10, 1987, at 10:05 a.m.

Present: Edmund C. Redman, Chairman, Leonard J. Immke, John W. Berry, Shirley D. Bowser, John J. Barone, Deborah E. Casto, John W. Kessler, and Milton A. Wolf.

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At the outset of the Board meeting, Dr. William F. Palmer, Professor in the Department of Physics, gave a slide presentation on Ohio's bid for the Superconducting Super Collider.

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INTRODUCTION OF NEW BOARD MEMBER

Mr. Redman introduced the new member of the Board of Trustees:

Now that we have officially begun our meeting, I want to formally introduce our newest Trustee, Milton A. Wolf. Ambassador Wolf joins this Board from his home in Cleveland, where he heads Milton A. Wolf Investors. It is our shared hope that Ambassador Wolf will find this experience to be as rewarding as it has been for all of us, and that he will enjoy helping to guide the University in ever-greater pursuits.

I am pleased to announce that Ambassador Wolf will be serving as a member of the Board's Student Affairs Committee and as our only representative on the Inter-University Council. Please join with me in welcoming Milton Wolf to the Board of Trustees at The Ohio State University.

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NEW DECREE PROGRAM - MASTER OF PUBLIC HEALTH DEGREE

Resolution No. 88-1

Synopsis: Establishment of a Master of Public Health degree is proposed.

WHEREAS the Department of Preventive Medicine, the College of Medicine, the Council on Research and Graduate Studies, and the Council on Academic Affairs have approved the establishment of a tagged Master of Public Health degree; and

WHEREAS such a degree program has been requested by health agencies and

July 9 and 10, 1987 meeting, Board of Trustees

NEW DEGREE PROGRAM - MASTER OF PUBLIC HEALTH DEGREE (contd)

health workers in Ohio since no comparable degree program currently exists in Ohio; and

WHEREAS sufficient student demand and resources exist to support the proposed Master of Public Health degree; and

WHEREAS the University Senate approved this action at their June 6, 1987 meeting:

NOW THEREFORE

BE IT RESOLVED, That the establishment of the Master of Public Health degree is hereby approved.

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

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NEW DEGREE PROGRAM - MASTER OF ARTS DEGREE PROGRAM IN ARABIC

Resolution No. 88-2

Synopsis: Establishment of a Master of Arts degree program in Arabic is proposed.

WHEREAS the Department of Judaic and Near Eastern Languages and Literatures, the Colleges of the Arts and Sciences, the Council on Research and Graduate Studies, and the Council on Academic Affairs have approved the establishment of a Master of Arts degree program in Arabic; and

WHEREAS currently no comparable degree program in Arabic exists in Ohio, the proposed M.A. program would fulfill a state-wide need; and

WHEREAS sufficient resources and student demand exist to support the proposed Master of Arts degree program in Arabic; and

WHEREAS the University Senate approved this action at their June 6, 1987 meeting:

NOW THEREFORE

BE IT RESOLVED, That the establishment of the Master of Arts degree program in Arabic is hereby approved.

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

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July 9 and 10, 1987 meeting, Board of Trustees

NEW DEGREE PROGRAM - MASTER OF ARTS DEGREE PROGRAM IN HEBREW

Resolution No. 88-3

Synopsis: Establishment of a Master of Arts degree program in Hebrew is proposed.

WHEREAS the Department of Judaic and Near Eastern Languages and Literatures, the Colleges of the Arts and Sciences, the Council on Research and Graduate Studies, and the Council on Academic Affairs have approved the establishment of a Master of Arts degree program in Hebrew; and

WHEREAS currently no comparable degree program in Hebrew exists in Ohio, the proposed M.A. program would fulfill a state-wide need; and

WHEREAS sufficient resources and student demand exist to support the proposed Master of Arts degree program in Hebrew; and

WHEREAS the University Senate approved this action at their June 6, 1987 meeting;

NOW THEREFORE

BE IT RESOLVED, That the establishment of the Master of Arts degree program in Hebrew is hereby approved.

Upon motion of Mr. Berry, seconded by Ms. Casto, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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AMENDMENTS TO THE RULES OF THE UNIVERSITY FACULTY

Resolution No. 88-4

Synopsis: Amendments to rules 3335-5-46, 3335-47-03, and 3335-47-09, and the creation of a new rule 3335-5-494 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 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 6, 1987, as follows:

NEW RULE

3335-5-494 Faculty advisory committee to the chancellor of the Ohio board of regents (FAC).

(A) The university's representation to the FAC shall consist of two members of the university faculty who are principally engaged in the academic duties of teaching and research.

July 9 and 10, 1987 meeting, Board of Trustees

AMENDMENTS TO THE RULES OF THE UNIVERSITY FACULTY (contd)

- (B) One member shall be elected each alternate year, for a term of four years, commencing autumn quarter. In the first and fourth years of the term the member shall be designated alternate representative to the FAC. In the second and third years of the term, the member shall be the designated representative to the FAC.
- (C) The steering committee shall elect the FAC representatives, subject to confirmation by the senate. Presentation of the names of the representatives to the senate membership shall occur at least seven days prior to the confirmation vote.
- (D) The president shall report the faculty representatives, as confirmed by the senate, to the chancellor of the Ohio board of regents.
- (E) The faculty representative to the FAC shall report annually to the senate.

AMENDED RULES

3335-5-46 Senate committee operating procedures.

(A) Membership

- (1) Unchanged.
- (2) Unchanged.
- (3) Committee vacancy.
 - (a) Unchanged.
 - (b) Unless otherwise specified, when an unexpired term becomes vacant, the vacancy shall be filled by the steering committee. These vacancies will be filled in a manner consonant with the original method of committee selection. A member selected to fill such a vacancy shall serve for the duration of the unexpired term.

3335-47-03 Probationary service, duration of appointments.

(A) and (B) unchanged.

- (C) The appointment of a person to a nontenured regular faculty position is probationary in nature. Probationary appointments are for a one-year period, and faculty members on such appointments shall be reviewed annually. During this period persons have an opportunity to prove themselves to their peers; their record of accomplishments will be the basis for renewal or tenure decisions. Faculty members will be informed at the time of initial appointment and in a timely fashion each year thereafter when renewal or tenure decisions about them will be made and will be given the opportunity to submit materials they think are relevant to the making of these decisions. They shall also be provided all pertinent documents which set forth the relevant promotion and tenure policies, standards, and procedures (including but not limited to those that are required to

July 9 and 10, 1987 meeting, Board of Trustees

AMENDMENTS TO THE RULES OF THE UNIVERSITY FACULTY (contd)

be provided by rule 3335-3-35 of the Administrative Code) in a timely fashion.

- (D) The university does not assume any continuing obligation to renew the appointment of a nontenured faculty member. Nonrenewal may be based upon such factors as an assessment of inadequate performance or insufficient development, or any one of a number of academic, financial, or policy reasons, but must be the result of formal annual review in accord with the review procedures established by the appropriate academic unit of the appointee in accord with paragraph (B)(3) of rule 3335-3-35 of the Administrative Code. The nonrenewal of an appointment in and of itself, however, should not carry with it the implication of either incompetence or misconduct on the part of the faculty member.

3335-47-09. Standards of notice.

(A) and (B) unchanged.

- (C) In the event of a decision resulting in nonrenewal, the faculty member shall be notified in writing of that decision. Upon written request by the faculty member, reasons that contributed to the nonrenewal shall be supplied in writing to the faculty member. If the faculty member failed to meet the criteria for promotion and tenure set forth in rule 3335-47-02 of the Administrative Code, the statement of reasons shall indicate how the faculty member failed to meet these criteria. If nonrenewal is not based upon a failure to meet the criteria in rule 3335-47-02 of the Administrative Code, the notice shall so state, and shall also state the reasons for nonrenewal as outlined in paragraph (D) of rule 3335-47-03 of the Administrative Code.

NOW THEREFORE

BE IT RESOLVED, That the foregoing 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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AMENDMENTS TO THE BYLAWS OF THE MEDICAL STAFF
OF THE OHIO STATE UNIVERSITY HOSPITALS

Resolution No. 88-5

Synopsis: Amendments to the Bylaws of the Medical Staff of The Ohio State University Hospitals are proposed.

WHEREAS The Ohio State University Hospitals Board pursuant to Bylaw 3335-101-04 of the Hospitals Board Bylaws is authorized to recommend to the Board of Trustees the adoption of amendments to the Bylaws of the Medical Staff of The Ohio State University Hospitals; and

July 9 and 10, 1987 meeting, Board of Trustees

AMENDMENTS TO THE BYLAWS OF THE MEDICAL STAFF
OF THE OHIO STATE UNIVERSITY HOSPITALS (contd)

WHEREAS the proposed amendments to Bylaws 3335-43-08 and 3335-43-09 were approved at the University Hospitals Board meeting on March 26, 1987, as follows:

AMENDED BYLAWS

3335-43-08 Organization of medical staff of the Ohio state university hospitals into clinical departments and divisions.

(A) Each member of the attending, courtesy, limited, and honorary staff shall be assigned to a clinical department or division upon the recommendation of the chief of the clinical department concerned.

(B) Names of clinical departments and divisions

(1) Anesthesiology

(2) Family medicine

(3) Internal medicine. The following divisions are designated:

Allergy
Cardiology
Community internal medicine
Dermatology
Endocrinology and metabolism
Gastroenterology
General medicine
Hematology and oncology
Infectious diseases
Pulmonary
Renal
Rheumatology - immunology

(4) Neurology

(5) Obstetrics and gynecology. The following divisions are designated:

General obstetrics and gynecology
Maternal - fetal medicine
Gynecologic oncology
Endocrinology - infertility

(6) Ophthalmology

(7) Otorhinolaryngology

(8) Pathology

(9) Pediatrics. The following divisions are designated:

Ambulatory pediatrics
Adolescent medicine
Allergy

July 9 and 10, 1987 meeting, Board of Trustees

AMENDMENTS TO THE BYLAWS OF THE MEDICAL STAFF
OF THE OHIO STATE UNIVERSITY HOSPITALS (contd)

Biochemical disorders
Cardiology
Clinical genetics
Dermatology
Endocrinology/metabolism
Gastroenterology
General pediatrics
Handicapped child
Hematology/oncology
Infectious diseases
Neonatology
Nephrology
Neurology
Nutrition
Pediatric education/research and evaluation
Pharmacology/toxicology
Psychology
Pulmonary

(10) Physical medicine and rehabilitation

(11) Preventive medicine. The following divisions are designated:

Preventive medicine
Emergency medicine
Sports medicine

(12) Psychiatry. The following divisions are designated:

General psychiatry
Child psychiatry
Sleep disorders medicine

(13) Radiology. The following divisions are designated:

Diagnostic radiology
Nuclear medicine
Radiation oncology

(14) Surgery. The following divisions are designated:

General surgery
Neurologic surgery
Orthopedic surgery
Pediatric surgery
Plastic surgery
Surgical oncology
Thoracic and cardiovascular surgery
Transplant
Urologic surgery
Vascular

(15) Dentistry. The following divisions are designated:

General dentistry

July 9 and 10, 1987 meeting, Board of Trustees

AMENDMENTS TO THE BYLAWS OF THE MEDICAL STAFF
OF THE OHIO STATE UNIVERSITY HOSPITALS (contd)

Oral surgery

(Balance unchanged)

3335-43-09 Elected officers of the medical staff of the Ohio state university hospitals.

(A) through (D) unchanged.

(E) Election of officers.

- (1) All officers (other than at-large officers) will be elected by a majority of those voting by written ballot of the attending staff after the quarterly meeting of the medical staff in March.
- (2) The nominating committee will be composed of five members. The chief of staff and the chief of staff-elect will serve on the committee and the chief of staff-elect will be its chairperson. The three other members of the committee will be nominated from the floor and elected, by a plurality upon written ballot, following the quarterly meeting of the medical staff in September.
- (3) The committee's nominees will be submitted in writing to all voting members of the attending staff no later than March 1.
- (4) Nominations for officers will be accepted from the floor at the March meeting.
- (5) Candidates for the office of chief of staff-elect will be listed and each attending staff member may vote for one. Candidates for the at-large positions will be voted upon as a group. Each voting member of the attending staff may vote for three at-large candidates. The three candidates with the highest number of votes will be elected. A majority of the votes is not necessary.
- (6) An officer may be removed from the elected position by a majority vote upon written ballot of the attending staff following a regularly scheduled quarterly meeting.

(Balance unchanged)

NOW THEREFORE

BE IT RESOLVED, That the foregoing amendments to the Bylaws of the Medical Staff of The Ohio State University Hospitals be adopted as recommended by the University Hospitals Board.

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

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July 9 and 10, 1987 meeting, Board of Trustees

DEGREES AND CERTIFICATES - SUMMER QUARTER COMMENCEMENT

Resolution No. 88-6

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

NOW THEREFORE

BE IT RESOLVED, That the degrees and certificates be conferred on September 3, 1987, 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. Barone, seconded by Ms. Casto, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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PERSONNEL ACTIONS

Resolution No. 88-7

RESOLVED, That the personnel actions as recorded in the Personnel Budget Records of the University since the June 5, 1987 meeting of the Board, including the following Changes in Title, Appointments, Reappointment of Principal Administrative Official, Appointment of Chairpersons of Departments and Division, Reappointment of Chairpersons of Academic Faculties, Departments, and Divisions, and Director of School, Leaves of Absence Without Salary, Professional Improvement Leaves, Professional Improvement Leaves--Change of Dates, Promotions/Tenure, and Emeritus Titles as detailed in the University Budget be approved, and the Medical Staff Appointments/Reappointments approved March 26, and June 25, 1987, by the Hospitals Board be ratified.

Changes in Title

Name:	CHARLES P. BIRD
Title:	Associate Dean/Associate Professor
Office/Department:	Mansfield Campus/Psychology
Effective:	July 16, 1987*
Salary:	\$50,040.00
Present Position:	Acting Associate Dean, Mansfield Campus and Associate Professor, Department of Psychology

* 12-month appointment, unless otherwise specified.

July 9 and 10, 1987 meeting, Board of Trustees

PERSONNEL ACTIONS (contd)

Changes in Title (contd)

Name: EDNA M. MENKE
Title: Associate Dean/Associate Professor
College/Department: Nursing/Family & Community
Effective: July 1, 1987*
Salary: \$62,520.00
Present Position: Associate Professor, Department of Family & Community

Name: GEORGE P. CREPEAU
Title: Acting Associate Dean/Professor
College/Department: The Arts/Theatre
Effective: July 1, 1987*
Salary: \$68,400.00
Present Position: Professor, Department of Theatre

Appointments

Name: S. ALAN HOLOCH
Title: Director, Law Library/Professor
College: Law
Effective: June 15, 1987*
Salary: \$77,520.00
Present Position: Director, Law Library and Associate Professor, Villanova University, School of Law, Villanova, PA

Name: ROBERT J. LYNN
Title: Professor (The John Deaver Drinko - Baker & Hostetler Chair in Law)
College: Law
Effective: August 16, 1987 (2-semester appointment)
Salary: \$94,920.00
Present Position: Professor, College of Law

Name: MICHAEL D. ROSE
Title: Professor (The Lawrence D. Stanley Professorship in Law)
College: Law
Effective: August 16, 1987 (2-semester appointment)
Salary: \$83,880.00
Present Position: Professor, College of Law

Reappointment of Principal Administrative Official

JAMES S. BIDDLE, Dean/Director of the Lima Campus, effective July 1, 1987, through June 30, 1992, pursuant to rule 3335-3-17 of the Administrative Code.

* 12-month appointment, unless otherwise specified.

July 9 and 10, 1987 meeting, Board of Trustees

PERSONNEL ACTIONS (contd)

Appointment of Chairpersons of Departments and Division

July 1, 1987 through June 30, 1988

Educational Theory and Practice	Gilbert A. Jarvis*
Veterinary Preventive Medicine	Erwin M. Kohler*

July 1, 1987 through June 30, 1990

Division of Pharmacology	Dennis R. Feller
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July 1, 1987 through June 30, 1991

Aeronautical and Astronautical Engineering	Thomas M. York
Art Education	Michael J. Parsons
Human Services Education	Judy L. Genshaft
Welding Engineering	David W. Dickinson

July 6, 1987 through June 30, 1991

Photography and Cinema	Charles Harpole
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August 1, 1987 through June 30, 1991

Agricultural Engineering	Robert J. Gustafson
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October 1, 1987 through September 30, 1989

Linguistics	Brian Joseph
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Reappointment of Chairpersons of Academic Faculties, Departments, and Divisions, and Director of School

July 1, 1987 through September 30, 1987

Division of Agricultural Mechanics Technology	Ronald J. Borton*
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July 1, 1987 through December 31, 1987

Family Relations and Human Development	Patrick C. McKenry*
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July 1, 1987 through June 30, 1988

Division of Mining Engineering	George R. St. Pierre*
Veterinary Anatomy	George P. Wilson III*

July 1, 1987 through June 30, 1990

Division of Pharmacy Practice	Richard H. Reuning
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July 1, 1987 through June 30, 1991

Architecture	Robert S. Livesey
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* Acting Chairperson

July 9 and 10, 1987 meeting, Board of Trustees

PERSONNEL ACTIONS (contd)

Reappointment of Chairpersons of Academic Faculties, Departments, and Divisions, and Director of School (contd)

July 1, 1987 through June 30, 1991 (contd)

Astronomy	Eugene R. Capriotti
City and Regional Planning	Kenneth T. Pearlman
Civil Engineering	Robert L. Sierakowski
Educational Policy and Leadership	Charles M. Galloway
School of Journalism	Walter K. Bunge
Academic Faculty of Management and Human Resources	Herman R. Bobbitt
Academic Faculty of Management Sciences	LeRoy J. Krajewski
Mechanical Engineering	Lawrence A. Kennedy

July 1, 1987 through September 30, 1991

English	Morris Beja
Geography	John N. Rayner

Leaves of Absence Without Salary

MARILYN N. SUYDAM, Professor, Department of Educational Theory and Practice, effective Autumn Quarter 1987, Winter Quarter and Spring Quarter 1988, to accept a Distinguished Visiting Professorship at Miami University, Oxford, Ohio.

BRUCE R. GAUMNITZ, Assistant Professor, Academic Faculty of Accounting and Management Information Systems, effective Autumn Quarter 1987, Winter Quarter and Spring Quarter 1988, to undertake a concentrated program of academic research.

MAXEY L. WELLMAN, Assistant Professor, Department of Veterinary Pathobiology, effective July 6, 1987, through October 4, 1987, for medical and personal reasons.

PEGGY DEE WILSON, Assistant Professor, School of Allied Medical Professions, effective July 1, 1987, through August 31, 1987, to pursue graduate studies.

Professional Improvement Leaves

RUSSELL M. PITZER, Professor, Department of Chemistry, effective Autumn Quarter 1987, Winter Quarter and Spring Quarter 1988.

C. WILLIAM MCCURDY, Associate Professor, Department of Chemistry, effective Autumn Quarter 1987, Winter Quarter and Spring Quarter 1988.

Professional Improvement Leaves--Change of Dates

BORIS G. PITTEL, Professor, Department of Mathematics, change leave from Autumn Quarter 1986, Winter Quarter and Spring Quarter 1987, to Winter Quarter, Spring Quarter and Autumn Quarter 1988.

July 9 and 10, 1987 meeting, Board of Trustees

PERSONNEL ACTIONS (contd)

Professional Improvement Leaves--Change of Dates (contd)

ALEXANDER DYNIN, Associate Professor, Department of Mathematics, change leave from Autumn Quarter 1987 and Winter Quarter 1988, to Autumn Quarter 1988 and Winter Quarter 1989.

Emeritus Titles

FLOYD M. BEMAN, Department of Internal Medicine - Gastroenterology, with the title Professor Emeritus, effective July 1, 1987.

KEITH BROOKS, Department of Communication, with the title Professor Emeritus, effective July 1, 1987.

FRED K. BUSCHER, Department of Horticulture, with the title Professor Emeritus, effective July 1, 1987.

KARL F. GRAFF, Department of Welding Engineering, with the title Professor Emeritus, effective July 1, 1987.

DAVID D. JENKINS, Cooperative Extension Service, with the title Professor Emeritus, effective July 1, 1987.

AHARON A. KSIENSKI, Department of Electrical Engineering, with the title Professor Emeritus, effective July 1, 1987.

HERMANN MEYER, Department of Veterinary Anatomy, with the title Professor Emeritus, effective July 1, 1987. This appointment was approved pursuant to the recommendation of the Office of Academic Affairs as an exception to the Rules of the University Faculty, 3335-5-19(D).

ROBERT C. MILJUS, Academic Faculty of Management and Human Resources, with the title Professor Emeritus, effective July 1, 1987.

MELVILLE L. PALMER, Department of Agricultural Engineering, with the title Professor Emeritus, effective July 1, 1987.

HAROLD K. THOBURN, Cooperative Extension Service, with the title Professor Emeritus, effective July 1, 1987.

CHARLES B. WHEELER, Department of English, with the title Professor Emeritus, effective July 1, 1987.

JOHN N. MEAGHER, Department of Surgery - Neurosurgery, with the title Clinical Professor Emeritus, effective July 1, 1987.

MARTIN P. SAYERS, Department of Surgery - Neurosurgery, with the title Clinical Professor Emeritus, effective July 1, 1987.

FRANK E. BATTOCLETTI, Department of Electrical Engineering, with the title Associate Professor Emeritus, effective July 1, 1987.

ILA REE COE, Cooperative Extension Service, with the title Associate Professor Emeritus, effective July 1, 1987.

July 9 and 10, 1987 meeting, Board of Trustees

PERSONNEL ACTIONS (contd)

Emeritus Titles (contd)

WILLIAM R. SCHNUG, Department of Agricultural Engineering, with the title Associate Professor Emeritus, effective July 1, 1987.

JOHN P. STANLEY, School of Public Administration, with the title Associate Professor Emeritus, effective July 1, 1987.

CARLOS F. TUCKER, Cooperative Extension Service, with the title Associate Professor Emeritus, effective July 1, 1987.

JACK P. TULL, Department of Mathematics, with the title Associate Professor Emeritus, effective July 1, 1987.

BETH L. WISMAR, Department of Anatomy, with the title Associate Professor Emeritus, effective July 1, 1987.

ARTHUR C. ERDMAN, Department of Electrical Engineering, with the title Assistant Professor Emeritus, effective July 1, 1987.

WILLIAM L. GREEN, Department of Welding Engineering, with the title Assistant Professor Emeritus, effective July 1, 1987.

PHILIP L. GROVER, Cooperative Extension Service, with the title Assistant Professor Emeritus, effective July 1, 1987.

RICHARD C. MGNUTT, Cooperative Extension Service, with the title Assistant Professor Emeritus, effective July 1, 1987.

FREDERICK W. DIERKER, Department of Family Medicine, with the title Clinical Assistant Professor Emeritus, effective July 1, 1987.

Upon motion of Mr. Kessler, 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. 88-8

Synopsis: Resolutions honoring the service of six 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.

Robert C. Grubbs

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on April 27, 1987, of Robert C. Grubbs, Professor Emeritus and former Acting Chairman in the Department of Physiology.

July 9 and 10, 1987 meeting, Board of Trustees

RESOLUTIONS IN MEMORIAM (contd)

Robert C. Grubbs (contd)

Dr. Grubbs was born May 3, 1907, in Columbus, Ohio. He attended Columbus Public Schools and The Ohio State University, receiving a B.A. in Anatomy in 1930; M.S. in Physiology in 1933; and graduating with an M.D. degree from the College of Medicine in 1935. Following this he remained at Ohio State for a year of postdoctoral studies as a Rockefeller Research Associate in the Department of Physiology.

Dr. Grubbs served on the faculty of the George Washington University College of Medicine from 1937 until 1946 at which time he returned to The Ohio State University as an Assistant Professor in the Department of Physiology. He also served as an Assistant Clinical Professor in the Department of Medicine, was promoted to Professor in Physiology in 1957 and served as Acting Chairman of the latter Department from 1962 to 1964. Upon his retirement in 1976, he was named Professor Emeritus. Following his retirement from Ohio State in 1976 he joined the medical staff of the Veteran's Administration Clinic.

Dr. Grubbs held membership in a number of professional societies including the Society of Sigma Xi; American Physiological Society; American Medical Association; Columbus Academy of Medicine; Ohio State Medical Association; Alpha Omega Alpha Medical Society; and Institute of Nutrition and Food Technology. His research interests included metabolic effects of folic acid; effects of ionizing radiation, metabolism of nucleated erythrocytes and metabolic effects of oral hypoglycemic agents.

Activities involving the Republican Party, Masonic Lodge, and Shriners were important in the life of Dr. Grubbs. He was a member of the Republican Glee Club; a past worthy patron of the R.T. King Chapter No. 340 O.E.S.; a past president of the 17th District O.E.S.; a member of University Lodge No. 631 F. and A.M.; York Chapter No. 200; York Council No. 115; 33rd Degree Scottish Rite; Alladin Shrine; and Royal Order of Jesters Court No. 8.

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in their 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.

Ethel M. Leazenbee

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on June 10, 1987, of Ethel M. Leazenbee, Associate Professor Emeritus in the College of Nursing.

Ethel Leazenbee was born January 12, 1896, in Franklin County, Ohio. She received her Bachelor of Science in Education degree in 1935 at The Ohio State University and Masters of Arts in Education in 1938, and in 1945 she received a certificate in Public Health Nursing.

Her eleven year association from January 1952 to her retirement and appointment as an Associate Professor Emeritus in Nursing on October 1, 1963, was preceded by an appointment to the School of Nursing under a

July 9 and 10, 1987 meeting, Board of Trustees

RESOLUTIONS IN MEMORIAM (contd)

Ethel M. Leazenbee (contd)

special contract from 1935-47. Ethel was also brought back to the School for a three-month period to help out in a difficult time from April through June of 1965.

From 1936 through 1951 she was an instructor and lecturer in Columbus and at the University of Chicago and the University of Pittsburgh in the area of Public Health Nursing. In January of 1952 she returned to The Ohio State University as an Assistant Professor and was promoted to an Associate Professor in 1955. She was appointed by the Governor to serve on the State Nurses Board, 1954-59, and served as President for two years. She had served on national committees on Public Health Nursing Education and served on the Collegiate Board of Review of the National League for Nursing Accrediting Service. The Ohio Department of Health Nursing Service counted on her heavily for consultation.

A publication to her credit is Public Health Nursing in a General Nursing Program, Nursing Outlook, Vol. V, No. 3, (March 1957).

On behalf of the University community, the Board of Trustees expresses to the family of Ethel M. Leazenbee its deepest sympathy. 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.

Mary B. Patton

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on May 15, 1987, of Mary Brown Patton, Professor Emeritus in the Department of Human Nutrition and Food Management.

Dr. Patton was born February 11, 1900, in Hebron, Ohio. She earned her B.S. (1925), M.S. (1929), and Ph.D. (1949) at The Ohio State University. Dr. Patton worked as an elementary and high school teacher prior to beginning her work in the College of Home Economics at The Ohio State University. Dr. Patton served as an assistant for the Ohio Agricultural Experiment Station from 1926-1929. She then was an instructor from 1929-1946. Dr. Patton became an Assistant Professor in 1946, Associate Professor in 1949, and Professor in 1953. She retired in 1960, and was named Professor Emeritus.

Dr. Patton was the author of many research reports, papers, and bulletins for a wide range of nutrition studies. Many of these studies centered on the food habits of pre-school and school age children. Other work by Dr. Patton included studies of the eating practices of young children and their families in relation to such factors as economic status, employment of the mother outside the home, number of siblings, and food marketing practices. Dr. Patton also did important work on mineral metabolism of college-age women. In 1959, Dr. Patton was recipient of the American Home Economics Association Borden Award.

On behalf of the University, the Board of Trustees expresses its sympathy and understanding to the family of Professor Patton. It was directed that this resolution be inscribed upon the minutes of the Board of

July 9 and 10, 1987 meeting, Board of Trustees

RESOLUTIONS IN MEMORIAM (contd)

Mary B. Patton (contd)

Trustees and that a copy be tendered to the family as an expression of the Board's heartfelt sympathy.

Rodney F. Plimpton, Jr.

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on May 16, 1987, of Rodney F. Plimpton, Jr., Professor in the Department of Animal Science.

Rodney Plimpton was born May 16, 1937, in Poughkeepsie, New York. He received the B.S. degree in Animal Husbandry from Rutgers University and entered graduate school at The Ohio State University in 1959. He studied in the Department of Animal Science specializing in meat science and earned the M.S. and Ph.D. degrees in 1961 and 1965, respectively. During this graduate study he served as an effective teaching and research assistant. This experience influenced him to accept an appointment as an instructor of meat science courses. In 1972 he was promoted to the rank of Professor.

Dr. Plimpton was an unusually exuberant, dynamic teacher of 11 different courses during his career and twice was the honored recipient of the University Alumni Distinguished Teaching Award. The American Meat Science Association Distinguished Teaching Award was bestowed upon him in 1978. The tremendous number of undergraduate students who sought him out as an academic advisor and counselor provides clear evidence of his extremely effective relationship with students. He was a productive researcher, major advisor to 26 graduate students, and highly respected on the national level as a speaker and prolific writer on meat science and teaching.

Rodney Plimpton served on the University Senate and vigorously contributed fresh ideas and wisdom to numerous committees and projects during his 28 loyal years of service to The Ohio State University. As additional contributions to The Ohio State University, he and his wife, "Peg," proudly observed two daughters complete Ph.D.s', a third complete an undergraduate accounting program, and a high school senior son set his sights on Ohio State.

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in their 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 M. Scott

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on May 21, 1987, of David M. Scott, Professor of Physics at the Mansfield Campus of The Ohio State University.

Dr. Scott was born on February 20, 1933, in Evanston, Illinois. He received his B.S. in Mechanical Engineering from the Massachusetts

July 9 and 10, 1987 meeting, Board of Trustees

RESOLUTIONS IN MEMORIAM (contd)

David M. Scott (contd)

Institute of Technology in 1955 and spent eight years working for General Motors and Monsanto. He was awarded the Ph.D. in physics from The Ohio State University in 1969. He had taught at OSU-Mansfield since 1970, and became the first full-time teaching faculty member at a regional campus to earn the rank of full professor.

Dr. Scott was selected by his Mansfield faculty colleagues as the recipient of a special Faculty Leadership Award which acknowledged his extensive contributions to faculty governance, scholarship, and teaching. He served as the University Senator from Mansfield from 1983-86 and chaired the Senate Rules Committee in 1984-85. He was a member of the Ohio Board of Regents Chancellor's Academic Advisory Committee for Two-Year Campuses in 1983-84 and served on the Coordinating Committee for Review of the Agricultural Technical Institute in 1981-83. Dr. Scott chaired the committee that wrote the Mansfield Campus Faculty Assembly Constitution and served as faculty assembly president. He chaired all of the major Mansfield Campus committees at various times.

Dr. Scott was co-author of 17 scientific papers in high energy physics. His textbook, The Physics of Vibrations and Waves was published in 1986, for which he received the 1987 Mansfield Campus Scholarship Award.

On behalf of the University, the Board of Trustees expresses its sympathy and understanding to the family of Professor Scott. 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.

Henry Peter "Bud" Sengelmann

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on May 30, 1987, of Henry Peter "Bud" Sengelmann M.D., Clinical Assistant Professor, Department of Pediatrics in the College of Medicine.

Dr. Sengelmann was born October 17, 1929. A native of New Jersey, he graduated from Colgate University in 1951 with his major areas of study being in Zoology and Pre-Med. His interests led him to the Albany Medical College where he was a research assistant in the Department of Physiology, and from there, he went on to pursue a medical degree at The Ohio State University College of Medicine, graduating in 1956.

Deciding on a career as a pediatrician, Dr. Sengelmann served his pediatric internship and residency at Columbus Children's Hospital and The Ohio State University from 1956-59. Upon completion of his training, he entered private practice here in Columbus, and subsequently was certified by the American Board of Pediatrics in 1962.

During his early years in Columbus as a member of the pediatric faculty, he took on the responsibility of the Newborn Nursery at Children's Hospital. During his 28 years in private practice, he taught medical students, graduate students, pediatric nurse practitioners and residents in his office, and was a member of the attending medical staffs of

July 9 and 10, 1987 meeting, Board of Trustees

RESOLUTIONS IN MEMORIAM (contd)

Henry Peter "Bud" Sengelmann (contd)

Children's Hospital, The Ohio State University Hospitals, Riverside Methodist Hospital, and Grant Hospital.

Active in numerous professional organizations, Dr. Sengelmann was a member of the American Academy of Pediatrics, The Ohio State Medical Association, the American Medical Association, the Academy of Medicine of Columbus and Franklin County, the Central Ohio Pediatric Society, and the Children's Practicing Pediatricians.

On behalf of the University community, the Board of Trustees expresses to the family of Henry Peter "Bud" Sengelmann its deepest sympathy. 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.

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 OF RESEARCH CONTRACTS, GRANTS, AND GIFTS

Resolution No. 88-9

Synopsis: The reports on contracts, grants, and gifts and the summary for May 1987 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 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 and The Ohio State University Development Fund during the month of May 1987 be approved.

Upon motion of Mr. Imcke, seconded by Ms. Casto, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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July 9 and 10, 1987 meeting, Board of Trustees

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

SUMMARY FOR MAY 1987

Source	No. of Projects	Support Level
The Ohio State University Research Foundation	112	\$21,050,954.76
Engineering Experiment Station	37	\$ 223,654.00
Total	149	\$21,274,608.76
The Ohio State University Development Fund		
Establishment of Named Funds		
Ameritech Endowment Fund (Support fellowships in the Graduate School)		\$ 15,000.00
The Law Centennial Building Fund (Fund the Law Building Addition and Renovation Project)		\$ 15,000.00
Phi Kappa Phi OSU Chapter Scholarship for Graduate Students (Provide scholarship(s) to graduate students)		\$ 15,000.00
The David Louis Mitchell Civic Action Award (Provide grants to individual student(s) and/or student organization(s) to support creative action-oriented projects enabling students to ameliorate economic or social problems in the larger community or on campus)		\$ 5,000.00

July 9 and 10, 1987 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION

Report - May 1987

Federal Research Contracts/Grants

\$2,362,876.00 - International Development Cooperation Agency, Agency for International Development, Washington, D.C., Manpower for Agricultural Development in Uganda, Office of International Programs in Agriculture (P. R. Henderlong and J. L. Parsons), 1 November 1986 through 30 September 1988. (Project 764443 - Continuation)

\$684,000.00 - Department of the Army, Army Tank Automotive Command, Warren, Michigan, A Mobility System Design Study for an Agile Automatic Land Vehicle, Department of Electrical Engineering (C. A. Klein) and Department of Mechanical Engineering (K. J. Waldron), 1 January 1987 through 30 September 1987. (Project 764306 - Continuation)

\$673,258.00 - National Aeronautics and Space Administration, Langley Research Center, Hampton, Virginia, Radar Cross Section Studies, Department of Electrical Engineering, ElectroScience Laboratory (L. Peters, Jr., E. Newman, W. D. Burnside, and A. K. Dominek), 1 May 1987 through 30 April 1988. (Project 761608 - Continuation)

\$367,827.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Pathobiological Determinants of Atherosclerosis in Youth, Department of Surgery (J. F. Cornhill), 1 March 1987 through 29 February 1988. (Project 764727 - Continuation)

\$320,000.00 - National Science Foundation, Washington, D.C., Nuclear Physics at Low and Intermediate Energies, Including Investigations of Fundamental Symmetries and Nuclear Astrophysics, Department of Physics (S. L. Blatt, T. R. Donoghue, H. J. Hausman, and E. R. Sugarbaker), 1 May 1987 through 31 October 1988. (Project 764671 - Continuation)

\$261,300.00 - National Science Foundation, Washington, D.C., A Cooperative Paleoclimatic Study of the Dundee Ice Cap and Its Relationship to Global Climatic Variability, Byrd Polar Research Center (L. G. Thompson and E. Mosley-Thompson), 1 May 1987 through 30 April 1988. (Project 765310 - Continuation)

\$199,836.00 - National Aeronautics and Space Administration, Washington, D.C., Hypersonic Training and Research, Department of Aeronautical and Astronautical Engineering (J. D. Lee), 15 March 1987 through 14 March 1988. (Project 765979 - New)

\$158,853.00 - National Science Foundation, Washington, D.C., Motion Coordination for Mobile Robots in Unstructured Environments, Department of Electrical Engineering (C. A. Klein) and Department of Mechanical Engineering (N. Berme), 1 June 1987 through 31 May 1988. (Project 765122 - Continuation)

\$156,415.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Polycondensed Alicyclics and Their Antiviral Role, Department of Chemistry (L. A.

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

Paquette), 1 May 1987 through 30 April 1988. (Project 763920 - Continuation)

\$149,227.00 - Department of Energy, Argonne, Illinois, The Hydrogen Induced Stress Corrosion Cracking of Nickel Base Alloys in High Temperature Water, Department of Metallurgical Engineering (P. G. Shewmon and S. S. Smialowska), 1 June 1987 through 31 May 1988. (Project 766068 - New)

\$140,943.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Genotoxicity in Human Fetal Brain, Dermis and Kidney Cells, Department of Radiology (S. M. D'Ambrosio and A. A. Wani), 1 June 1987 through 31 May 1988. (Project 763673 - Continuation)

\$137,000.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Upgrade EPIC 741 to 753 Cell Sorter: Sort Lock, EASY 88 and Microsample Delivery, Department of Veterinary Pathobiology (R. G. Olsen), 1 May 1987 through 30 April 1988. (Project 766031 - New)

\$135,000.00 - National Science Foundation, Washington, D.C., Liquid and Solid Helium at Very Low Temperatures, Department of Physics (D. O. Edwards), 1 April 1987 through 30 September 1988. (Project 764034 - Continuation)

\$128,785.00 - Environmental Protection Agency, Washington, D.C., Fate of DNA Damage in Human Fetal Cells, Department of Radiology (S. M. D'Ambrosio and A. A. Wani), 1 May 1987 through 30 April 1988. (Project 763308 - Continuation)

\$120,000.00 - National Science Foundation, Washington, D.C., The Spectroscopy of Chemical Intermediates and Other Transient Species, Department of Chemistry (T. A. Miller), 1 June 1987 through 31 May 1988. (Project 764814 - Continuation)

\$116,047.00 - Department of Education, Office of Postsecondary Education, Washington, D.C., National Resource Center for Slavic and East European Studies, Department of Slavic and East European Languages and Literatures (L. I. Twarog), 15 August 1987 through 14 August 1988. (Project 765593 - Continuation)

\$114,363.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Dietary Fat: Physiological Function, Department of Physiological Chemistry (H. W. Sprecher), 1 May 1987 through 30 April 1988. (Project 764415 - Continuation)

\$111,000.00 - International Development Cooperation Agency, Agency for International Development, Washington, D.C., Bangladesh Rural Finance Project, Department of Agricultural Economics and Rural Sociology (R. L.

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

Meyer and D. H. Graham), 1 March 1987 through 30 September 1987.
(Project 763301 - Continuation)

\$104,046.00 - Department of Education, Office of Special Education and Rehabilitation Services, Washington, D.C., Preservice Training for Ohio School Psychologists to Provide Related Services Promoting Placement in the Least Restrictive Environment for Students Who are Severely Handicapped, College of Education - Administration (T. Stephens), 1 June 1987 through 31 May 1988. (Project 766059 - New)

\$103,014.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Function of the Enteric Nervous System, Department of Physiology (J. D. Wood), 1 May 1987 through 30 April 1988. (Project 765012 - Continuation)

\$103,000.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Purchase of an Electron Spin Resonance (ESR) Spectrometer, Department of Chemistry (L. J. Berliner, D. H. Busch, A. G. Marshall, and M. S. Platz), 1 May 1987 through 30 April 1988. (Project 766085 - New)

\$100,000.00 - National Aeronautics and Space Administration, Marshall Space Flight Center, Marshall Space Flight Center, Alabama, Provide Additional Development of a Coaxial Vision System for Robotic GTA Welding, Department of Welding Engineering (R. W. Richardson), 1 April 1987 through 31 March 1988. (Project 763891 - Continuation)

\$97,532.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Gastric Function -- Central Control, Department of Physiology (R. C. Rogers), 1 July 1987 through 30 June 1988. (Project 765541 - Continuation)

\$85,251.00 - Department of Health and Human Services, Public Health Service, Health Resources and Services Administration, Rockville, Maryland, Professional Nurse Traineeship Program, College of Nursing - Administration (C. A. Anderson), 1 July 1987 through 30 June 1988. (Project 760803 - New)

\$84,573.00 - National Science Foundation, Washington, D.C., Glaciology in Central Greenland, Byrd Polar Research Center (D. H. Elliot and J. Bolzan), 1 May 1987 through 30 April 1988. (Project 765363 - Continuation)

\$80,000.00 - Department of Agriculture, Science and Education, Washington, D.C., Validation and Extension of Models That Predict Yield Loss Due to Potato Early Dying, Department of Plant Pathology - OARDC (R. C. Rowe, R. M. Riedel, and L. V. Madden), 1 June 1987 through 31 May 1989. (Project 766063 - New)

\$78,000.00 - Department of Energy, Argonne, Illinois, Structure and Function of Methanogen Genes, Department of Microbiology (J. N. Reeve), 1 July 1987 through 30 June 1988. (Project 766060 - 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)

\$71,708.00 - National Science Foundation, Washington, D.C., Equipment to Support Research in Knowledge Representation of Mechanical Design, Department of Engineering Graphics (M. B. Waldron), 1 June 1987 through 30 November 1988. (Project 766075 - New)

\$70,806.00 - National Science Foundation, Washington, D.C., Fundamental Studies in Elastohydrodynamic Lubrication, Department of Mechanical Engineering (B. J. Hamrock) 16 June 1987 through 30 June 1988. (Project 765242 - Continuation)

\$70,000.00 - Department of Energy, Argonne, Illinois, High Energy Physics, Department of Physics (H. P. Kagan and R. D. Kass), 1 January 1987 through 31 December 1987. (Project 762116 - Continuation)

\$69,420.00 - National Science Foundation, Washington, D.C., Functional Specificity of Neurons in Hypothalamic Tissue Slices, Department of Physiology (J. A. Boulant), 1 July 1987 through 31 December 1988. (Project 764687 - Continuation)

\$63,834.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Site Specific Modification of Human Cellular DNA, Department of Physiological Chemistry and Cancer Research Center (G. E. Milo), 30 September 1986 through 30 January 1988. (Project 765728 - Continuation)

\$60,000.00 - National Science Foundation, Washington, D.C., Wear and Thermal Characteristics of Hydrodynamic Journal Bearings with Provisions for Contamination Effects, Department of Engineering Graphics (M. M. Khonsari), 1 October 1987 through 31 March 1990. (Project 766040 - New)

\$60,000.00 - National Science Foundation, Washington, D.C., Modification of Heat Transfer Characteristics of Turbulent Boundary Layers by Large-Eddy Breakup Devices, Department of Mechanical Engineering (Y. G. Guezennec), 1 June 1987 through 30 November 1989. (Project 766090 - New)

\$58,797.00 - National Science Foundation, Washington, D.C., The Organization of Informational Structure in Articulator Movement and Acoustic Duration Patterns, Department of Linguistics (M. E. Beckman), 1 June 1987 through 30 November 1989. (Project 766069 - New)

\$55,531.00 - Department of Education, Office of Postsecondary Education, Washington, D.C., National Resource Fellowships, Department of Slavic and East European Languages and Literatures (L. I. Twarog), 15 August 1987 through 14 August 1988. (Project 765593 - Continuation)

\$55,496.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Role of Polyamines in Calmodulin and C-Kinase Regulation, Periodontics (J. D. Walters), 1 July 1987 through 30 June 1988. (Project 765508 - 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)

\$54,771.00 - National Aeronautics and Space Administration, Washington, D.C., Role of Calmodulin and Calcium in Gravitropism, Department of Botany (M. L. Evans), 1 March 1987 through 29 February 1988. (Project 763005 - Continuation)

\$52,650.00 - National Science Foundation, Washington, D.C., Free Radical Cyclizations in Carbocycle Synthesis, Department of Chemistry (D. J. Hart), 1 September 1987 through 28 February 1989. (Project 764775 - Continuation)

\$52,300.00 - National Science Foundation, Washington, D.C., Algebraic Combinatorics: Association Schemes and Related Topics, Department of Mathematics (E. Bannai), 1 June 1987 through 30 November 1989. (Project 766072 - New)

\$50,000.00 - National Science Foundation, Washington, D.C., Lithospheric Analysis of Regional Antarctic Gravity and Magnetic Anomalies, Byrd Polar Research Center and Department of Geology and Mineralogy (R. R. B. Von Frese), 1 April 1987 through 31 March 1988. (Project 764662 - Continuation)

\$50,000.00 - National Science Foundation, Washington, D.C., Relativistic Optical Model at Intermediate Energies, Department of Physics (B. C. Clark), 1 July 1987 through 30 June 1988. (Project 765350 - Continuation)

\$46,500.00 - National Science Foundation, Washington, D.C., Secular Climate and Atmospheric Circulation Fluctuations over the Atlantic Area, Department of Geography (J. C. Rogers), 1 July 1987 through 29 February 1988. (Project 765243 - Continuation)

\$45,694.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Preclinical Pharmacology Investigations of Antitumor Agents, College of Pharmacy (L. Malspeis), 14 April 1987 through 30 July 1987. (Project 765385 - Continuation)

\$44,500.00 - National Science Foundation, Washington, D.C., Noise-Induced Turbulence in Superfluid Helium, Department of Physics (J. T. Tough), 1 May 1987 through 30 April 1988. (Project 766036 - New)

\$40,000.00 - National Aeronautics and Space Administration, Goddard Space Flight Center, Greenbelt, Maryland, Robust Estimation of Regional Deformations and Relative Plate Motions from Robust Estimation, Department of Geodetic Science and Surveying (I. I. Mueller), 1 July 1987 through 30 June 1988. (Project 761054 - Continuation)

\$40,000.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Normal Volunteers for Participation in Medical Research Projects, Department of Microbiology (A. M. Ackermann-Brown), 1 April 1987 through 31 March 1988. (Project 764072 - 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)

\$38,800.00 - National Science Foundation, Washington, D.C., The Classification of Finite Simple Groups, Department of Mathematics (R. M. Solomon), 1 June 1987 through 31 May 1989. (Project 766049 - New)

\$34,581.00 - National Science Foundation, Washington, D.C., Theoretical and Empirical Studies of Communities in Stochastic Environments, Department of Zoology (P. L. Chesson), 1 June 1987 through 31 May 1988. (Project 766066 - New)

\$34,068.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, International Conference: Biological Mechanisms of Tooth Eruption and Root Resorption, Orthodontics (Z. Davidovitch), 1 July 1987 through 30 June 1988. (Project 766076 - New)

\$30,205.00 - National Science Foundation, Washington, D.C., The James Ross Island Basin and the Evolution of the Antarctic Peninsula, Byrd Polar Research Center and Department of Geology and Mineralogy (D. H. Elliot), 1 May 1987 through 30 April 1988. (Project 765262 - Continuation)

\$25,000.00 - National Science Foundation, Washington, D.C., The Hurwitz Problem on Composition of Quadratic Forms, Department of Mathematics (P. Yiu), 1 June 1987 through 30 November 1989. (Project 766071 - New)

\$24,500.00 - National Science Foundation, Washington, D.C., Multiple Recurrence and Ergodic Ramsey Theory, Department of Mathematics (V. Bergelson), 1 June 1987 through 30 November 1989. (Project 766070 - New)

\$24,320.00 - Department of the Navy, Office of Naval Research, Washington, D.C., Ultrasonic Scattering from Defects, Department of Welding Engineering (L. Adler), 15 August 1986 through 30 September 1986. (Project 764595 - Continuation)

\$21,177.00 - Department of Health and Human Services, Public Health Service, Center for Disease Control, Atlanta, Georgia, Disorders of Reproduction Among Female Veterinarians, Department of Veterinary Preventive Medicine (W. D. Hueston), 1 May 1987 through 30 April 1988. (Project 766067 - New)

\$14,600.00 - National Science Foundation, Washington, D.C., Formal Systems and Combinatorics, Department of Mathematics (T. J. Carlson), 1 May 1987 through 30 April 1988. (Project 766044 - New)

\$11,988.00 - National Science Foundation, Washington, D.C., Module Theoretic Methods for Design and Control of Linear Systems, Department of Mathematics (B. Wyman), 1 August 1987 through 31 January 1991. (Project 766062 - New)

\$11,848.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Hypocholesterolemic Agents: Stereochemical Studies, College of Pharmacy (D.

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

T. Witiak and D. R. Feller) and Department of Pathology (H. A. Newman), 1 December 1986 through 30 November 1987. (Project 764517 - Continuation)

\$11,240.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Molecular Control in Cytochrome C Oxidase, Department of Physiological Chemistry (J. O. Alben), 1 January 1987 through 31 December 1987. (Project 762976 - Continuation)

\$10,421.00 - Department of Health and Human Services, Public Health Service, Health Resources and Services Administration, Rockville, Maryland, Traineeships for Students in Graduate Health Administration, Hospital and Health Services Administration (S. F. Loebs), 1 July 1987 through 30 June 1988. (Project 766053 - Continuation)

\$9,998.00 - Department of Health and Human Services, Office of Human Development Services, Administration for Children, Youth and Families, Washington, D.C., Department of Educational Policy and Leadership (L. L. Cunningham), 1 April 1987 through 31 July 1987. (Project 766058 - New)

\$8,220.00 - National Science Foundation, Washington, D.C., Doctoral Dissertation: The Perceived Extent and Seriousness of Deviance in Academic Science -- An Empirical Examination, Department of Sociology (S. Dinitz), 1 June 1987 through 31 August 1988. (Project 766041 - New)

\$8,000.00 - National Science Foundation, Washington, D.C., Travel for Cartographers to Participate in the International Cartographic Association in Morelia, Mexico, October 12-21, 1987, Department of Geography (H. J. Moellering), 1 April 1987 through 31 December 1987. (Project 766091 - New)

\$6,810.00 - Department of the Army, Army Materiel Command, Fort Belvoir, Virginia, Conduct a Review and Assessment of the In-Country Oconus Capital Chance Operations, Department of Geology and Mineralogy (J. J. Daniels), 1 May 1987 through 15 June 1987. (Project 766035 - New)

\$4,928.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Biochemistry of Craniofacial Epithelial Differentiation, Diagnostic Services (C. F. Shuler), 1 February 1987 through 31 January 1988. (Project 765236 - Continuation)

\$4,500.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Animal Model for Otitis Media with Effusion, Department of Otolaryngology (D. J. Lim), 1 August 1987 through 30 September 1987. (Project 765558 - Continuation)

\$4,279.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, FSH and the Regulation of Ovarian Folliculogenesis, Department of Anatomy (B. E. Batten), 1 February 1987 through 31 March 1987. (Project 765914 - 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)

\$4,004.00 - National Science Foundation, Washington, D.C., Purification of Multicomponent Liquid Mixtures by the Dual Recycle Thermal Swing Adsorption Process, Department of Chemical Engineering (K. S. Knaebel), 15 January 1988 through 30 November 1988. (Project 765859 - Continuation)

\$2,500.00 - Defense Mapping Agency, Washington, D.C., The African Doppler Surveys (ADOS) Project, Department of Geodetic Science and Surveying (I. I. Mueller), 15 May 1987 through 30 September 1987. (Project 766084 - New)

Equipment - Department of Energy, Idaho Falls, Idaho, Energy-Related Laboratory Equipment, Engineering Experiment Station (J. W. Tainagi), 5 May 1987 through 31 July 1987. (Project 766054 - New) (Approximate Dollar Value - \$11,077)

TOTAL - FEDERAL AWARDS \$8,630,140.00

State of Ohio Research Contracts/Grants

\$15,000.00 - State of Ohio, Department of Urban Affairs, Columbus, Ohio, Society Against Felony Encounters (SAFE), University Police (L. Johnson), 1 January 1987 through 31 December 87. (Project 765937 - New)

\$10,172.00 - State of Ohio, Department of Urban Affairs, Columbus, Ohio, Master Parenting, Cooperative Extension Field Operations (J. C. Graham), 1 April 1987 through 31 March 1988. (Project 766052 - New)

\$2,500.00 - State of Ohio, Department of Urban Affairs, Columbus, Ohio, Building on Family Strengths, Cooperative Extension Field Operations (R. J. Cropper), 1 April 1987 through 31 March 1988. (Project 766048 - New)

TOTAL - STATE OF OHIO AWARDS \$ 27,672.00

Industrial Research Contracts/Grants

\$120,000.00 - Minnesota Mining and Manufacturing Company, St. Paul, Minnesota, Green Colors from Nickel Complexes, Department of Chemistry (D. H. Busch), 1 May 1987 through 30 April 1989. (Project 764468 - Continuation)

\$19,731.14 - E. R. Squibb and Sons, Princeton, New Jersey, Safety and Efficacy of Nystatin Vaginal Suppositories Compared to Clotrimazole and Placebo, College of Pharmacy (J. A. Visconti) and University Health Service (D. I. Charles), 1 April 1987 through 31 December 1987. (Project 766065 - New)

\$18,325.45 - A. H. Robbins Company, Richmond, Virginia, Evaluation of Xylazine and Telazol® for Anesthesia in Horses, Department of Veterinary Clinical Sciences (W. W. Muir III and J. A. E. Hubbell), 1 May 1987 through 31 October 1987. (Project 766074 - New)

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THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Industrial Research Contracts/Grants (contd)

\$15,138.00 - AT&T Bell Laboratories, Columbus, Ohio, Improving the Written Skills of Non Native Speakers of English in the Work Setting, English/Second Language (R. N. Kantor), 1 April 1987 through 30 June 1987. (Project 766047 - Continuation)

\$14,775.00 - CIBA-GEIBY Corporation, Greensboro, North Carolina, Evaluation of Candidate Materials for the Control of Ectoparasitic Insects, Department of Entomology (W. F. Hink), 1 June 1987 through 1 November 1987. (Project 766087 - New)

\$6,066.00 - AT&T Bell Laboratories, Columbus, Ohio, Improving the Oral Communication Skills of Non Native Speakers of English in the Work Setting, English/Second Language (R. N. Kantor), 2 April 1987 through 30 June 1987. (Project 766039 - Continuation)

\$1,567.17 - Boeing Company, Seattle, Washington, Compact Range Performance Analysis, Department of Electrical Engineering, ElectroScience Laboratory (J. D. Young), 1 February 1987 through 1 December 1987. (Project 765919 - Continuation)

\$360.00 - American Electric Power Service Corporation, Columbus, Ohio, Contract Consulting Agreement for Mussel Mitigation, Department of Zoology (D. H. Stansbery), 1 May 1987 through 30 September 1987. (Project 765732 - Continuation)

TOTAL - INDUSTRIAL AWARDS \$ 195,962.76

Other Non-Federal Research Contracts/Grants

\$8,642,100.00 - Midwest Universities Consortium for International Activities, Inc., Columbus, Ohio, The Indonesia Second University Development Project -- JMO Support Office, Office of International Affairs (D. G. McCloud), 27 January 1987 through 31 December 1991. (Project 766028 - New)

\$2,278,250.00 - Midwest Universities Consortium for International Activities, Inc., Columbus, Ohio, The Indonesia Second University Development Project -- JMO Support Office, Office of International Affairs (D. G. McCloud), 27 January 1987 through 31 December 1991. (Project 766029 - New)

\$327,579.00 - Midwest Universities Consortium for International Activities, Inc., Champaign, Illinois, The Indonesia Second University Development Project -- Life Sciences Program, Department of Entomology (J. D. Briggs), 27 January 1987 through 31 December 1991. (Project 766025 - New)

\$274,923.00 - Franklin County Mental Retardation and Developmental Disabilities Board, Columbus, Ohio, Early Childhood Classes, Nisonger Center (S. R. Schroeder), 1 October 1987 through 30 September 1988. (Project 766094 - Continuation)

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THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Other Non-Federal Research Contracts/Grants (contd)

\$138,737.00 - American Institute of Indian Studies, Minneapolis, Minnesota, American Institute of Indian Studies Center for Art and Archaeology, Department of History of Art (S. L. Huntington), 1 January 1987 through 30 June 1987. (Project 766037 - New)

\$98,148.00 - Franklin County Mental Retardation and Developmental Disabilities Board, Columbus, Ohio, Exemplary Dental Services for the Handicapped, Nisonger Center (E. S. Sterling), 1 July 1987 through 30 June 1988. (Project 766086 - Continuation)

\$69,800.00 - Midwest Universities Consortium for International Activities, Inc., Champaign, Illinois, Burma Maize and Oilseeds Production Project, Office of International Programs in Agriculture and Department of Agronomy (F. G. Calhoun, Jr.), 26 October 1986 through 31 March 1988. (Project 763368 - Continuation)

\$46,148.00 - Muscular Dystrophy Association, New York, New York, Complement Membrane Attack Complex in Dermatomyositis, Department of Neurology (J. T. Kissel), 1 July 1987 through 30 June 1988. (Project 766043 - New)

\$37,614.00 - Southeastern Poultry and Egg Association, Decatur, Georgia, Assessing the Potential Pathogenicity of Waterfowl Influenza Viruses, Department of Veterinary Preventive Medicine (R. D. Slemmons), 1 May 1987 through 30 April 1989. (Project 766034 - New)

\$32,300.00 - Duke Power Company, Huntersville, North Carolina, Consortium for the Development of Instructor Training Materials for the Electric Power Industry - Phase II, The National Center for Research in Vocational Education (R. D. Ryan, Jr.), 1 April 1987 through 31 July 1988. (Project 766021 - Continuation)

\$31,000.00 - Butler County Department of Human Services, Hamilton, Ohio, Development of Living Skills, Cooperative Extension Field Operations (P. H. Simmons), 1 December 1986 through 30 November 1987. (Project 765233 - Continuation)

\$30,700.00 - American Diabetes Association, Inc., Alexandria, Virginia, Effect of Streptozotocin Diabetes on Hepatic UDP-Glucuronyltransferase Activities, Department of Internal Medicine (R. B. Kirkpatrick), 1 July 1987 through 30 June 1988. (Project 766055 - New)

\$23,000.00 - Easter Seal Research Foundation, Chicago, Illinois, Gait Analysis of the Effects of Inhibitive Casts and Orthotics in Cerebral Palsy, Department of Physical Medicine (W. S. Pease and R. J. Bobulski), 1 July 1987 through 30 June 1988. (Project 766073 - New)

\$21,956.00 - University Space Research Association, Houston, Texas, Department of Aeronautical and Astronautical Engineering (G. M. Gregorek), 15 September 1986 through 15 June 1987. (Project 765736 - New)

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Other Non-Federal Research Contracts/Grants (contd)

\$20,000.00 - Getty Center for Education in the Arts, Los Angeles, California, The Regional Institute Grant Program, Department of Art Education (N. MacGregor), 14 March 1987 through 14 September 1987. (Project 766057 - New)

\$15,200.00 - Southeastern Center for Electrical Engineering Education, St. Cloud, Florida, Self-Consistent Modeling of Resonant Tunneling, Department of Electrical Engineering (P. Roblin), 7 May 1987 through 30 October 1987. (Project 766080 - New)

\$15,000.00 - World Health Organization, Geneva, Switzerland, Further Uses of the Murine Rotavirus Model: Evaluation of Potential Vaccines, Oral Biology (J. F. Sheridan), 1 April 87 through 31 March 1988. (Project 764620 - Continuation)

\$15,000.00 - American Heart Association, Ohio Affiliate, Inc., Columbus, Ohio, Photoaffinity Labeling of Coumarin-Sensitive Enzymes in Liver, Department of Biochemistry (R. P. Swenson), 1 July 1987 through 30 June 1988. (Project 766082 - New)

\$14,000.00 - March of Dimes Birth Defects Foundation, White Plains, New York, Infants at Risk for Communicative Disorders: Predicting Language Development from Infant Phonetic Contrast and Very Low Birth Weight, Department of Communication (H. Bauer), 1 March 1987 through 29 February 1988. (Project 766077 - New)

\$9,760.00 - Plymouth State College, Plymouth, New Hampshire, New Hampshire Comprehensive Guidance Curriculum Project, The National Center for Research in Vocational Education (R. D. Ryan, Jr.), 1 April 1987 through 31 July 1987. (Project 766046 - New)

\$9,500.00 - Maryhaven Incorporated, Columbus, Ohio, Graduate Student Internship, Department of Educational Theory and Practice (J. J. Quaranta), 1 January 1987 through 31 December 1987. (Project 766079 - New)

\$7,500.00 - National Pork Producers Council, Des Moines, Iowa, Effect of Early Weaning on the Activity of Circulating Myogenic and Adipogenic Factors in Swine, Department of Animal Science - OARDC and Department of Animal Science (M. E. White, T. G. Ramsay, and D. C. Mahan), 1 July 1987 through 30 June 1988. (Project 766042 - New)

\$7,000.00 - Southeastern Center for Electrical Engineering Education, St. Cloud, Florida, Laser Spectroscopic Diagnostics of RF Plasmas, Department of Chemistry (T. A. Miller), 1 April 1987 through 30 September 1987. (Project 766061 - New)

\$6,525.00 - Cancer Therapy and Research Foundation of South Texas, San Antonio, Texas, SWOG Study 8501, Intraperitoneal Cys-Platinum/Intravenous Cyclophosphamide Versus Intravenous Cis-Platinum/Intravenous Cyclophosphamide in Patients with Non-Measurable (Optimal) Disease, Stage III

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Other Non-Federal Research Contracts/Grants (contd)

Ovarian Cancer, Department of Pathology (R. O'Toole), 1 October 1986 through 30 September 1987. (Project 765855 - Continuation)

\$5,553.00 - Columbus Technical Institute, Columbus, Ohio, Intramural and Recreation Internship Program, School of Health, Physical Education and Recreation (W. A. Sutton), 1 January 1987 through 30 June 1987. (Project 766050 - New)

\$4,800.00 - Tourette Syndrome Association of Ohio, Milford, Ohio, The 1987 Ohio Tourette Study, Department of Psychiatry (R. A. Bornstein), 1 January 1987 through 30 June 1987. (Project 766032 - New)

\$4,212.00 - North Atlantic Treaty Organization, Bruxelles, Belgium, Propagation of Bulk and Surface Waves in Inhomogeneous Porous Materials, Department of Welding Engineering (L. Adler), 31 March 1987 through 31 March 1988. (Project 766011 - New)

\$3,750.00 - North Carolina State Board of Education, Raleigh, North Carolina, National Career Guidance Consortium, The National Center for Research in Vocational Education (R. D. Ryan, Jr.), 1 July 1986 through 30 June 1987. (Project 765651 - Continuation)

\$3,625.00 - Cancer Therapy and Research Foundation of South Texas, San Antonio, Texas, Mesothelioma Pathology Review -- Chairman's Support, Department of Pathology (J. G. Lucas and S. E. Tuttle), 1 January 1987 through 31 December 1987. (Project 764837 - Continuation)

\$2,000.00 - Tourette Syndrome Association of Ohio, Milford, Ohio, Identification of Neurochemical Subgroups in Tourette's Syndrome: Neuropsychological and Electroencephalographic Correlates, Department of Psychiatry (R. A. Bornstein), 1 January 1987 through 30 June 1987. (Project 766033 - New)

\$1,500.00 - International Society of Arboriculture, Urbana, Illinois, The Effects of Fertilizer Types and Level on Verticillium Wilt of Woody Ornamentals, Department of Horticulture - OARDC and Department of Horticulture (T. D. Sydnor), 9 April 1987 through 31 March 1988. (Project 766045 - New)

TOTAL - OTHER NON-FEDERAL AWARDS

\$12,197,180.00

ENGINEERING EXPERIMENT STATION

Industrial and Other Sponsored Research and Development

\$52,500.00 - Teledyne CAE, Toledo, OH, "Propfan Characterization Study," Department of Electrical Engineering, 15 May 1987 through 14 May 1988. (312414)

\$50,000.00 - Additional funding from AT&T Foundation, New York, NY, "Development of Graduate Courses in Manufacturing Systems Engineering,"

July 9 and 10, 1987 meeting, Board of Trustees

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

ENGINEERING EXPERIMENT STATION (contd)

Industrial and Other Sponsored Research and Development (contd)

Department of Industrial and Systems Engineering, 1 May 1986 through 30 April 1989. (529704, Ext. 1)

\$40,000.00 - from various industry for membership in "The Engineering Research Center on Net-Shape Manufacturing," Engineering Experiment Station. (529200)

\$30,924.00 - EPRI, Palo Alto, CA, "Influence of Hydrogen on PWSCC of Alloy 600 Tubing," Department of Metallurgical Engineering, 24 April 1987 through 28 February 1988. (312412)

\$26,830.00 - from 27 sponsors of 32 projects under the direction of four research areas/departments.

\$23,400.00 - General Electric, Cincinnati, OH, "Effects of Alloying Elements on the Weldability of Investment Cast Superalloys," Department of Welding Engineering, 1 May 1987 through 30 April 1988. (529729)

TOTAL - INDUSTRIAL AND OTHER SPONSORED RESEARCH \$ 223,654.00

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND

Establishment of Named Funds

Ameritech Endowment Fund

The Ameritech Endowment Fund was established July 10, 1987, by the Board of Trustees of The Ohio State University, with gifts to The Ohio State University Development Fund from Ameritech Foundation, 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, with the right to invest and reinvest as occasion dictates.

The annual income shall be used in support of faculty/research fellowships, graduate fellowships, visiting fellowships and prize grants in the Graduate School, all of which shall be within the parameters outlined by Ameritech as the goals and objectives of the Ameritech Fellowship Program.

The initial endowment shall be \$15,000.00 set aside in the first year, with the total amount set aside from the grant to reach \$100,000.00 by the end of the five-year period. The fund will be administered by the Dean of the Graduate School who shall be responsible for annually reporting to the Ameritech Foundation on how its grant has been used by the University.

It is the desire of the donor that this fund should benefit the University in perpetuity. Should the need for this fund cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in order to carry out the desire of the donor.

July 9 and 10, 1987 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 Centennial Building Fund

The Law Centennial Building Fund was established July 10, 1987, 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 Law in celebration of the Centennial Anniversary of the College.

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 University makes a final determination on the financing arrangements of the Law Building Addition and Renovation Project. The College of Law reserves the right to invade the principal to cover building-related costs and fees following the final determination of the financing arrangements.

It is the desire of the donor(s) that this fund should benefit the University in perpetuity. Should the need for this fund cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in order to carry out the desire of the donor(s).

Phi Kappa Phi OSU Chapter Scholarship for Graduate Students

The Phi Kappa Phi OSU Chapter Scholarship for Graduate Students was established July 10, 1987, 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 Phi Kappa Phi.

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 a scholarship to one or more graduate students at The Ohio State University. The scholarship is to be awarded to a student exhibiting academic excellence in any field of study. Neither financial need nor membership in Phi Kappa Phi is to be among criteria used for selection of the recipient(s). Selection of the recipient is to be made by the Graduate School and the Awards Committee of the Phi Kappa Phi Ohio State University chapter in coordination with the Office of Student Financial Aid.

It is the desire of the donor that this fund should benefit the University in perpetuity. Should the need for this fund cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in order to carry out the desire of the donor.

July 9 and 10, 1987 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 Louis Mitchell Civic Action Award

The David Louis Mitchell Civic Action Award was established July 10, 1987, by the Board of Trustees of The Ohio State University, with gifts to The Ohio State University Development Fund from Glen H. and Anna Belle Mitchell, in honor of their son, David Louis Mitchell.

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 grants to individual student(s) and/or student organization(s). Those grants are to support creative action-oriented projects enabling interested students to ameliorate economic or social problems in the larger community or on campus. The projects will be under the jurisdiction of The Ohio State University Office of Student Life with assistance of a committee composed of the chairperson or their representatives from the Department(s) of (1) Family Resource Management, (2) Agricultural Economics and Rural Sociology, and (3) the Faculty of Marketing. Emphasis will be placed on those projects aimed at workable solutions employing the disciplines represented by the above committee.

A written report will be made annually to the Mitchells of the project(s) selected and their progress. At the end of every six (6) years, the Award policy and procedures will be reviewed by the committee and the donors.

It is the desire of the donors that this fund should benefit the University in perpetuity. Should the need for this fund cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in order to carry out the desire of the donors.

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**REQUEST FOR CONSTRUCTION BIDS AND
ESTIMATE OF COST - FUNDING**

Resolution No. 88-10

Synopsis: Authorization to request construction bids is proposed.

WHEREAS the plans and specifications for these projects have been completed and, at the request of the Vice President for Business and Administration, the President recommended that the Board of Trustees authorize the request for construction bids:

July 9 and 10, 1987 meeting, Board of Trustees

**REQUEST FOR CONSTRUCTION BIDS AND
ESTIMATE OF COST - FUNDING (contd)**

**DOAN HALL 5 NORTH
LABORATORY/OFFICE AREAS**

Project: Renovation of a portion of the fifth floor, north wing of Doan Hall from patient and nursery rooms into office areas and laboratories for the Chairperson of Surgery and the Chairperson of Obstetrics/Gynecology and their laboratory personnel.

Funding: University Hospitals Funds

Estimated Construction Cost: \$351,811.00

Estimated Project Cost: \$399,260.00

DOAN HALL - CAP KOLD SYSTEM

Project: Renovation of Rooms 075A and 175A of Doan Hall to accommodate the installation of a cook/chill food production system, including ice builder, mixing kettles, pump fill station and batch casing cooler. This type of production is a 'closed' system, food never is exposed to the atmosphere during preparation, thus, reducing exposure to possible contamination.

Funding: University Hospitals Funds

Estimated Construction Cost: \$120,000.00

Estimated Project Cost: \$159,660.00

DOAN HALL - CRI MATERIALS HANDLING STAGING AREA

Project: Renovation of an area on the ground floor of Doan Hall to provide clean and soiled holding areas to support the material handling system for the Cancer Research Institute.

Funding: University Hospitals Funds

Estimated Construction Cost: \$ 97,000.00

Estimated Project Cost: \$125,360.00

NOW THEREFORE

BE IT RESOLVED, That the President and/or Vice President for Business and Administration be authorized, in accordance with established University procedures, to request construction bids on these projects, and if

July 9 and 10, 1987 meeting, Board of Trustees

**REQUEST FOR CONSTRUCTION BIDS AND
ESTIMATE OF COST - FUNDING (contd)**

satisfactory bids are received, to award the necessary contracts, with all actions to be reported to this Board at the appropriate time.

Upon motion of Mr. Barone, 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. 88-11

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 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 Enarson Hall Renovation project; and

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 the award of contracts for the Arps Parking Garage Expansion, Northwest Utilities Phase I - Water Lines, 18th Avenue Extension, and Veterinary Hospital - Chiller Replacement projects, as follows:

**ENARSON HALL RENOVATION
(STUDENT SERVICES BUILDING)**

Description: This project provides for the renovation and updating of all building support systems, utility distribution systems and rest rooms, conversion of the electrical service to the 13.8KV distribution system, and the installation of a new HVAC system. Construction is scheduled to begin July 1987, and be completed July 1988.

General Contract

Date Received:	May 12, 1987
No. of Bids:	4
Low Bid:	\$1,449,296.00*
High Bid:	\$2,093,400.00*

* Recommended alternates reflected in these figures.

July 9 and 10, 1987 meeting, Board of Trustees

REPORT OF AWARD OF CONTRACTS AND
ESTABLISHMENT OF CONTINGENCY FUNDS

ENARSON HALL RENOVATION
(STUDENT SERVICES BUILDING) (contd)

General Contract (contd)

Estimate of Cost: \$1,525,300.00*
Awarded to: Gutknecht Construction Co., Columbus, OH

Plumbing and Fire Protection Contract

Date Received: May 12, 1987
No. of Bids: 3
Low Bid: \$ 214,100.00*
High Bid: \$ 291,564.00*
Estimate of Cost: \$ 267,500.00*
Awarded to: J.A. Croson Co., Columbus, OH

HVAC Contract

Date Received: May 12, 1987
No. of Bids: 2
Low Bid: \$ 570,300.00*
High Bid: \$ 594,000.00*
Estimate of Cost: \$ 573,700.00*
Awarded to: J.A. Guy, Inc., Dublin, OH

Electric Contract

Date Received: May 12, 1987
No. of Bids: 4
Low Bid: \$ 428,076.00*
High Bid: \$ 562,400.00*
Estimate of Cost: \$ 474,600.00*
Awarded to: Buckeye Electric Co., Dayton, OH

Total All Contracts: \$2,661,772.00*

* Recommended alternates reflected in these figures.

July 9 and 10, 1987 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)**

**ENARSON HALL RENOVATION
(STUDENT SERVICES BUILDING) (contd)**

Asbestos Removal	\$ 39,000.00
Total Contingency Allowance:	\$ 194,803.32 (which is 7% of construction costs)
Total Project Cost:	\$3,223,135.00*
Funding:	SB 348; HB 870 U & R and University Funds

* Recommended alternates reflected in these figures.

ARPS PARKING GARAGE EXPANSION

Description: This project will add two floors to the existing garage providing 288 parking spaces, a new elevator, new lighting, and new directional signage. Construction is scheduled to begin July 1987 and be completed by September 7, 1988.

General Contract

Date Received:	June 9, 1987
No. of Bids:	2
Low Bid:	\$1,697,000.00
High Bid:	\$2,845,000.00
Estimate of Cost:	\$1,884,000.00
Awarded to:	Sherman Smoot Co., Columbus, OH

Plumbing Contract

Date Received:	June 9, 1987
No. of Bids:	4
Low Bid:	\$ 16,275.00
High Bid:	\$ 39,940.00
Estimate of Cost:	\$ 65,000.00
Awarded to:	Farber Corp., Columbus, OH

Electric Contract

Date Received:	June 9, 1987
No. of Bids:	5

July 9 and 10, 1987 meeting, Board of Trustees

REPORT OF AWARD OF CONTRACTS AND
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)

ARPS PARKING GARAGE EXPANSION (contd)

Electric Contract (contd)

Low Bid:	\$ 294,000.00*
High Bid:	\$ 396,622.00*
Estimate of Cost:	\$ 560,650.00*
Awarded to:	Demos Electric, Columbus, OH
Total All Contracts:	\$2,007,275.00*
Total Contingency Allowance:	\$ 192,521.40 (which is 10% of construction costs)
Total Project Cost:	\$2,280,000.00*
Funding:	University Funds

* Recommended alternate reflected in these figures.

NORTHWEST UTILITIES PHASE I - WATER LINES

Description: This portion of the project provides for increased water supply to the northwest quadrant of the campus, including the Multi-Sport Complex, the new Child Care Center, Buckeye Village, the new Stores & Receiving Building, Bulk Chemical Warehouse, Service Building Annex, and the Laundry/Print Facility. This extension of the water lines will also serve the future development of this area of the campus. Construction is scheduled to begin July 1987 and be completed by October 30, 1987.

General Contract

Date Received:	June 15, 1987
No. of Bids:	5
Low Bid:	\$ 351,850.00
High Bid:	\$ 449,084.95
Estimate of Cost:	\$ 446,750.00
Awarded to:	Concrete Construction, Columbus, OH
Total All Contracts:	\$ 351,850.00
Installation-Child Care Ctr.	\$ 17,284.80
Total Contingency Allowance:	\$ 29,288.25 (which is 8% of construction costs)

July 9 and 10, 1987 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)**

NORTHWEST UTILITIES PHASE I - WATER LINES (contd)

Total Project Cost: \$ 433,000.00
Funding: 1986 Series A & B Bonds

18TH AVENUE EXTENSION

Description: This road construction project provides for the extension of 18th Avenue from High Street to the east side of Arps Parking Garage. A ramp will also be constructed from 18th Avenue to the east side of the Arps Parking Garage. Construction is scheduled to begin June 1987, and be totally completed within ninety days.

General Contract

Date Received: May 21, 1987
No. of Bids: 4
Low Bid: \$159,179.75
High Bid: \$222,210.74
Estimate of Cost: \$159,725.00
Awarded to: Concrete Construction, Columbus, OH
Total All Contracts: \$159,179.75
Total Contingency Allowance: \$ 12,749.52 (which is 8% of construction costs)
Total Project Cost: \$215,300.00
Funding: University Funds

VETERINARY HOSPITAL - CHILLER REPLACEMENT

Description: This project provides for the replacement of the inoperative absorption chiller with a new centrifugal chiller. Payback is expected within one year. Construction is scheduled to begin July 1987, and be completed within one hundred fifty days.

HVAC Contract

Date Received: June 10, 1987
No. of Bids: 6
Low Bid: \$135,000.00

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**REPORT OF AWARD OF CONTRACTS AND
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)**

VETERINARY HOSPITAL - CHILLER REPLACEMENT (contd)

HVAC Contract (contd)

High Bid: \$146,980.00*
Estimate of Cost: \$142,000.00
Awarded to: Farber Corp., Columbus, OH

Electric Contract

Date Received: June 10, 1987
No. of Bids: 5
Low Bid: \$ 21,700.00
High Bid: \$ 32,286.00
Estimate of Cost: \$ 22,000.00
Awarded to: Hi-Tech Electric, Columbus, OH

Total All Contracts: \$156,700.00*
Total Contingency Allowance: \$ 11,449.90 (which is 7% of construction costs)
Total Project Cost: \$198,000.00*
Funding: University Funds

* 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. Immke, seconded by Mr. Barone, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**EASEMENT
VILLAGE OF ONTARIO**

Resolution No. 88-12

Synopsis: Authorization to grant an easement to the Village of Ontario in Richland County, Ohio, for water utilities is requested.

July 9 and 10, 1987 meeting, Board of Trustees

**EASEMENT
VILLAGE OF ONTARIO (contd)**

WHEREAS the Village of Ontario has requested a 15-year easement consisting of a strip of land approximately 925.35 feet in length and 25 feet in width for the purpose of construction, operation, maintenance and repair of a water line, sanitary sewer, roadway and storm drainage at the Mansfield Regional Campus; and

WHEREAS the easement will serve University property and private properties; 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 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 this easement.

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

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**APPOINTMENT OF INVESTMENT ADVISORS
AND REAPPOINTMENT OF INVESTMENT ADVISORS**

Resolution No. 88-13

Synopsis: Appointment of Investment Advisors and Reappointment of Investment Advisors is proposed.

WHEREAS it is the policy of The Ohio State University to utilize the services of external Investment Advisors to assist in the management of the University's Endowment Fund; and

WHEREAS the Fiscal Affairs Committee of the Board of Trustees periodically reviews the results obtained by named external Investment Advisors and the amount of funds assigned to each of them; and

WHEREAS it is prudent investment policy to adjust the mix and amounts of money assigned to external Investment Advisors as economic conditions change; and

WHEREAS the Fiscal Affairs Committee has directed the Treasurer to maintain \$10,000,000 of the Endowment Fund in long term United States Government or Agency securities under the University Investments Policy; and

WHEREAS the number of external Investment Advisors and the amount of funds assigned to them shall be determined by the Board of Trustees:

NOW THEREFORE

July 9 and 10, 1987 meeting, Board of Trustees

**APPOINTMENT OF INVESTMENT ADVISORS
AND REAPPOINTMENT OF INVESTMENT ADVISORS (contd)**

BE IT RESOLVED, That upon the recommendation of the Fiscal Affairs Committee of the Board of Trustees the following named external Investment Advisors shall be appointed and the following named external Investment Advisors shall be reappointed to counsel in the management of Endowment Fund investments totaling the initial amounts indicated:

Cambridge Financial Group, Inc. (New appointment)	\$ 1,000,000
Centerre Trust Company	\$20,000,000
The Chicago Corporation	\$25,000,000
Duff and Phelps Investment Management Company (New appointment)	\$10,000,000
Neuberger & Berman Mutual Funds:	
Energy Fund	\$ 2,000,000
Guardian Fund	\$ 2,000,000
Partners Fund	\$ 1,000,000
Nicholas-Applegate Capital Management	\$10,000,000
Siebel Capital Management, Incorporated	\$21,000,000
STW Fixed Income Management, Incorporated	\$20,000,000

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

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**AMENDMENT TO THE CODE OF REGULATIONS OF
OHIO STATE UNIVERSITY AFFILIATES, INC.**

Resolution No. 88-14

Synopsis: Amendment to the Code of Regulations of the Ohio State University Affiliates, Inc., is proposed.

WHEREAS the Board of Trustees authorized the execution of documents necessary to carry out the establishment of the Ohio State University Affiliates, Inc., on December 5, 1986; and

WHEREAS the Ohio State University Affiliates, Inc., pursuant to Section 5.01 of the Code of Regulations has proposed an amendment to the Code of Regulations of the Ohio State University Affiliates, Inc., specifically Article I, Section 1.04 B, regarding the term of the directors, as follows:

July 9 and 10, 1987 meeting, Board of Trustees

AMENDMENT TO THE CODE OF REGULATIONS OF
OHIO STATE UNIVERSITY AFFILIATES, INC. (contd)

ARTICLE I

Trustees

Section 1.04. Provisions Relating to Directors.

B. Term. Each Director designated in the Articles of Incorporation shall be deemed to be elected as such as of the time of filing of the Articles of Incorporation to serve until their replacement by the permanent Board at the earlier of the commencement of full operations or June 30, 1987. Originally, three (3) Directors will be elected by the Chairman of the University Board of Trustees from its number: one shall be appointed for three years, one shall be appointed for two years, and one shall be appointed for one year. Thereafter, the three (3) Directors elected by the Chairman of the University Board of Trustees from its number shall serve for terms of three years each. Directors may be reelected. At the end of each term, a vacancy will be created until a successor is elected and qualified.

NOW THEREFORE

BE IT RESOLVED, That the aforementioned amendment to the Code of Regulations of the Ohio State University Affiliates, Inc., be approved.

Upon motion of Mr. Kessler, seconded by Ms. Casto, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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President Jennings made the following statement:

Thank you, Mr. Chairman. The budget being presented for your approval today reflects the adjustments required by lower than expected support for higher education in the final State budget. When I presented a provisional budget to this Board one month ago, we had hoped that the final budget would support the commitment to student accessibility that was reflected in the actions of the Senate and the House to keep tuition levels as low as possible.

We are grateful to the General Assembly for its actions in reducing the student share of college costs paid by tuition from the original Executive Budget recommendations. Nonetheless, the unfortunate result of this final State budget is that Ohio's progress of prior years has been reversed. The average student share of college costs, which had been brought down to 36 percent through legislative action, will now return to more than 40 percent, compared to a national average that is still approximately one third.

Ohio State has done its share on keeping tuition as low as possible. We emphasized our commitment to accessibility by imposing no tuition increase last year. However, we are this year faced with funding levels for the Instructional Subsidy that are far too low to continue to enhance academic excellence without a significant tuition increase. Indeed, the State

July 9 and 10, 1987 meeting, Board of Trustees

President Jennings: (contd)

budget that was passed last week assumes an increase in Ohio college and university tuition levels that would cost Ohio State students about \$125 per quarter.

It is unfortunate to see the State of Ohio turn back the progress of the past biennium. But we cannot allow this University's outstanding achievements and opportunities for future progress to be reversed by this setback.

Broad access to higher education opportunities, supported by low tuition, is an invaluable asset for Ohio. We must continue to look to the Governor and the General Assembly for the adequate levels of support that are needed by its state-assisted colleges and universities to enable us to continue the pursuit of academic excellence while also ensuring broad accessibility for all qualified Ohioans.

Today, however, we must adopt a budget based on current levels of support from the State of Ohio. I am recommending that Ohio State's tuition increase be set at \$62 per quarter for Ohio undergraduates, an amount that is less than half of the increase assumed in the State budget. I also am recommending that higher levels be imposed for out-of-state students.

While these recommendations are higher than we had hoped, I do want to point out Ohio State's fine record on keeping tuition as low as possible. Our two-year average increase is still well below increases at our sister universities around the State. Even at \$630 per quarter, Ohio State's tuition is still among the lowest in Ohio. Our ranking of tenth among Ohio's thirteen state-assisted four-year institutions is, indeed, appropriate to our land-grant mission of maintaining broad accessibility to the State's major, comprehensive university.

This is a credit to the University-wide efforts of our staff and faculty members to minimize the on-going costs of current activities. Cost containment continues to assist our efforts to keep student tuition down while maintaining our capacity to respond to new opportunities for enhancing academic excellence.

I now want to call upon Vice President Ihrig to present the details of the budget being recommended for your approval today.

Mr. Ihrig:

Thank you. The Current Funds Budget for 1987-88 which we are presenting for your consideration totals \$938,450,000 in revenues to support planned commitments of \$934,180,000. This represents an increase of 4.7 percent over total revenues for the fiscal year just ended, 1986-87.

Included in this budget are General Funds totaling \$417.6 million, or 44.5 percent of total resources. These funds are used to fund the basic instructional, administrative and related support activities of this University. Earnings Operations revenues total \$308.3 million, or 32.8 percent of

July 9 and 10, 1987 meeting, Board of Trustees

Mr. Ihrig: (contd)

budgeted resources, which include everything from University Hospitals and student dormitories, to copying services and conferences in support of the academic mission of Ohio State. Earnings Operations not only earn the revenues they spend, they also pay their fair share of University overhead and facilities costs associated with their activities. Finally, restricted revenues which total \$212.5 million, 22.6 percent of total revenues, are received and expended for specific purposes specified by external entities such as Federal and private sponsored research.

The largest components of General Fund revenues are State appropriations and student tuitions. Both of these revenue sources are directly impacted by student enrollments, which is why the long and short-term enrollment planning we do is so important for all the campuses. The budget is based upon the student enrollment targets for the Autumn Quarter, 1987, which have been reviewed previously with this Board and included in the budget materials. These targets show continued growth on the Regional Campuses, but bringing the Columbus Campus closer to the 40,000 FTE enrollment limit. Our projections indicated a Columbus Campus non-exempt FTE of 40,362 for the Autumn Quarter, 1987, which would reduce the over-enrollment by one-half from the 40,749 FTE of Autumn 1986.

The instructional subsidies from State appropriations on the Columbus Campus increase by only 4.1 percent over 1986-87, while those on the Regional Campuses increase by 17 percent. The basic reasons for this wide differential include emphasis by the State in funding the student enrollment increases which were not fully funded last biennium due to lack of funds and enhancements to the two-year subsidy models, which both benefited our Regional Campuses. While scheduled to receive these funds, assuming their enrollment increases are maintained, these campuses did have to support part of last year's enrollment increases without full State support.

The Columbus Campus share of the State instructional subsidy pool continues to decrease, a consistent trend over the past decade. For example, the current State budget has Ohio State Columbus receiving 22.1 percent of the total instructional subsidy versus 22.36 percent last year. And this share is scheduled to drop another tenth of a point next year.

The State support continues for the various excellence programs. Of special importance are the \$2.47 million for Academic Challenge, and the \$4.98 million for the Research Challenge for 1987-88, which is \$2.5 million under last year's \$7.48 million. The increases for Cooperative Extension and OARDC are only 2 percent for 1987-88, while no increased funding was provided for the Clinical Teaching subsidies in the hospitals as well as the Dental and Veterinary Medicine Clinics.

However, the State has provided \$3.0 million in 1987-88 for the Ohio Supercomputer Center with another \$4.5 million allocated for next year, 1988-89.

July 9 and 10, 1987 meeting, Board of Trustees

Mr. Ihrig: (contd)

This budget reluctantly includes tuition recommendations which increase tuitions to \$630 for Ohio students attending the Columbus Campus, to \$604 for Ohio students attending a Regional Campus and to \$1660 for the non-resident undergraduate students. With Ohio State's zero increase in tuitions last year, the rate of increase over the period 1985-86 to present remains the lowest of Ohio's colleges and universities. This will keep us as the 10th lowest in Ohio. Even so, this change in our demonstrated trend to bring students tuition costs down has been disrupted due to the level of State support for this year.

Even with these relatively high tuition increases, the market basket cost increases for Ohio State students totals 7.1 percent when considering the impact of price changes in dormitory, bookstore, parking and health insurance as well as athletic event tickets charges. The University-wide average rate increases total 4.3 percent, especially since University Hospitals will not increase their rates for 1987-88.

A significant component of this 1987-88 budget is the \$12.0 million targeted from reduced costs of operations as a result of the new cost containment program begun in 1987. This program of achieving targeted cost reductions without reducing the quality of services and recognizing the faculty and staff through a bonus program is new in higher education. As in any new venture, a learning curve exists; however, the support and efforts to-date throughout the University have been excellent. While the final results won't be known until late in this calendar year, we are anticipating that the results of this cost containment program will exceed our expectations.

The budgeted expenditures in the 1987-88 Budget are in accordance with the budget planning guidelines presented to this Board by President Jennings at your May 1987 meeting.

We are presenting this balanced 1987-88 Current Funds Budget totaling \$938,450,000 for your consideration and recommend its approval.

I would be happy to respond to any questions. Thank you.

Mr. Barone:

I think the important thing is that rather than having a percentage like most of the universities that start with 14, then go down to 12 percent, then to single digit. I know the University and the State are in a single digit tuition, but I think putting it in the dollar sense is very advantageous. It's \$630, which is a lot less than most of the universities, especially those universities located in the northern part of Ohio. Any questions?

Mr. Redman:

I want to make a comment, if I may. I think two important

July 9 and 10, 1987 meeting, Board of Trustees

Mr. Redman: (contd)

things, one is the size of the budget -- it always scares me. You did mention \$938 million, but I see by your statement it's \$934 million. We will not argue about the \$4 million.

Mr. Ihrig:

The \$938 million are the projected revenues.

Mr. Redman:

The other thing is that the budget is balanced between income and expense, so, assuming that your projection is correct, we come out even.

Mr. Ihrig:

Yes.

Mr. Redman:

That is all I had to say.

Mr. Barone:

Any other questions?

1987-88 CURRENT FUNDS BUDGET

Resolution No. 88-15

Synopsis: The budget for 1987-88 is being submitted for adoption.

WHEREAS the levels of State support have been established with the enactment of budget legislation for the 1987-89 biennium; and

WHEREAS appropriate planning and consultation within the University has been accomplished; and

WHEREAS this Board approved a provisional budget for 1987-88 at its June meeting; and

WHEREAS the President is now prepared to present the final 1987-88 budget:

NOW THEREFORE

BE IT RESOLVED, That the University Current Funds Budget for Fiscal Year 1987-88, as described in the accompanying text and tables, be approved, with authorization for the President to make expenditures within the projected income levels; and

BE IT FURTHER RESOLVED, That student fees be increased for all Ohio residents beginning Autumn Quarter 1987, as specified in the Schedule of Student Fees incorporated in this resolution effective Autumn Quarter 1987; and

July 9 and 10, 1987 meeting, Board of Trustees

1987-88 CURRENT FUNDS BUDGET

BE IT FURTHER RESOLVED, That the Secretary be instructed to incorporate all supporting documents into the minutes of this meeting, including faculty tenure approvals, salary rolls with promotions, and fees and charges for the Fiscal Year 1987-88, and to file these materials with the official records of this University.

Mr. Redman made the following statement:

The Personnel Committee of this Board met on July 9, 1987, and this report is a result of that meeting.

As in the past, the President's performance at this institution is evaluated throughout the year by many people, but it is formally evaluated once a year by the Board of Trustees. On this occasion it is noted that President Jennings will begin his seventh year with Ohio State on September 1, having developed a consistently constructive record over the past six years. We appreciate President Jennings's vision and leadership effort on behalf of the University. It should also be noted that the shared spirit of cooperation between this Board and the President is not only pleasant but it also is indeed essential to the continuing vitality of The Ohio State University.

With these things in mind, the Board has determined to raise President Jennings's salary to \$129,000 for the 1987-88 academic year. This increase was calculated keeping in mind the context of salaries of presidents of other comparable educational institutions, in addition to the performance appraisal mentioned earlier. The Secretary of the Board is directed to develop the relevant documents to effectuate this change.

May I now have a motion to approve the President's budget report and recommendation, as well as the Board Personnel Committee's proposal relative to President Jennings's salary for the coming year.

Upon motion of Mr. Kessler, seconded by Ms. Casto, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

1987-88 CURRENT FUNDS BUDGET THE OHIO STATE UNIVERSITY

I. INTRODUCTION

In June 1987, this Board approved a Provisional Budget to enable the University to initiate operations for the 1987-88 Fiscal Year. The Provisional Budget was developed in accordance with the budget planning guidelines reviewed with the members of this Board at its May 1987 meeting. Now that the Ohio General Assembly has passed budget legislation for the 1987-89 Biennium and the Governor has signed this legislation, the University 1987-88 Current Funds Budget can now be recommended to the Board of Trustees.

Last fiscal year, Ohio State's budget included a zero increase in student tuition, which was made possible by State funding levels that reduced the state-wide student share for undergraduates from 40 to 36 percent over

July 9 and 10, 1987 meeting, Board of Trustees

**1987-88 CURRENT FUNDS BUDGET
THE OHIO STATE UNIVERSITY (contd)**

the 1985-87 Biennium. This year, however, that improvement has been reversed. The state-wide student share is now set to increase from its current 36 percent to 41 percent over the 1987-89 Biennium.

While the level of State support for higher education is not adequate to maintain the positive initiatives begun during the past biennium, the actions of the Ohio General Assembly did do much to reduce the student tuition recommendations from the 31 percent increase included in the Executive Budget Proposal. But it is through internal cost savings that Ohio State has been able to provide the majority of the resources needed to bring the tuition increases for Ohio residents down to 10.9 percent. While a double-digit increase in tuition is extremely undesirable with the current economic situation, the final level of State instructional subsidies precluded Ohio State from achieving our previously stated goal of 7.9 percent.

As a part of its continuing efforts to reduce costs, the University initiated an internal cost containment program in 1987 with the target of reducing annual costs University-wide by \$12 million. These monies were then to be targeted to support new programs and fund priority needs throughout the University. Now, however, these savings will be utilized to maintain tuition increases for Ohio residents at the 10.9 percent budget recommendation.

The faculty and staff members throughout the University work to enable Ohio State to maintain student accessibility by continuing to provide quality instruction, research and support services at lower costs. To recognize the efforts, the University's cost containment program incorporates direct cash incentives to each qualified regular faculty and staff member. The bonus amount will be determined by the success of their respective units and the University in achieving cost containment targets. In addition to reducing costs, Ohio State's faculty and staff are providing a margin of excellence to this University by contributing more than \$12 million to the University's capital fund raising campaign. These actions by members of the faculty and staff clearly demonstrate their commitment to excellence and student accessibility.

II. SOURCES OF FUNDS

The Current Funds Budget proposed for 1987-88 totals \$938,450,000 from several funding sources, as detailed in the Sources of Income schedule. This amount includes State support totaling \$304,170,000 which represents 32.4 percent of the total resources budgeted. Of the total sources of funds, general funds represent 44.5 percent, earnings operations provide 32.9 percent, and restricted funds total 22.6 percent.

As a result of the level of State support and allowing for the University's efforts at reducing costs, student tuition at The Ohio State University is being increased by 10.9 percent for Ohio residents attending the Columbus campus and 9.6 percent for Ohio residents attending Lima, Mansfield, Marion, Newark, or the Agricultural Technical Institute campuses. This lower rate of increase at the regional campuses results from enhanced instructional subsidies provided for the lower division undergraduate and technical categories.

July 9 and 10, 1987 meeting, Board of Trustees

**1987-88 CURRENT FUNDS BUDGET
THE OHIO STATE UNIVERSITY (contd)**

The tuition charged non-resident students is typically three times that of residents. After a review of non-resident tuitions, it was determined that those amounts for undergraduate, graduate, and law students had fallen behind this ratio. Therefore, selective increases of up to 14 percent are being recommended for the non-resident surcharge.

The recommended tuition rates for residents and non-residents are shown in the Student Fee Schedule. The rate of tuition increases for 1987-88 reverses the trend of the past two years of keeping these increases below inflation, and sets back our progress in reducing the students' share of the cost of their education. While Ohio State continues to keep tuition below the Board of Regents projections, significant improvements in State support will be needed in future biennia if Ohio is to return the students' share of their cost of higher education to the 33 percent level.

A major funding source for the University continues to be revenues from the sales of the earnings units. Continuing efforts to control increases in all fees and charges of the University, the average University-wide increase in all University charges will be approximately 4.3 percent. University Hospitals continue to emphasize containment of health care costs by holding hospital rate increases to zero for 1987-88. The Residence and Dining Halls will do their part to assist student accessibility by keeping their average rate increases to only 5.0 percent.

The 1987-88 budget includes new State funding of \$3.0 million that is being provided to support the Ohio Supercomputer Center which is now being placed into operation. In addition, Ohio State is committing direct support of \$2.0 million and the Center will be working to add private funding to further support the supercomputer activity.

Of special note are the increases in State support for the regional campuses and the Agricultural Technical Institute. These increases, which average just under 12 percent, result from changes in the institutional subsidy model plus State resources added to fully fund actual and expected growth in enrollments.

The other income components of the 1987-88 Current Funds Budget are in line with expected growth from 1986-87 revenues. The projected revenues for 1987-88 show an increase of \$42,550,000, which is some 4.7 percent above the estimated revenues for 1986-87. This is the result of normal expected increases in nearly all categories of revenue except State appropriations and student tuition.

III. USES OF FUNDS

As detailed in the Schedule of Budgeted Uses for Fiscal Year 1987-88, and the supporting documents, this University's recommended Current Funds expenditures total \$934,180,000. These planned expenditures will support the following budget planning guidelines.

- * Increase faculty, administrative/professional, and classified staff salaries by two percent and provide three percent in salary funds for merit increases plus \$3,000,000 for equity and excellence adjustments.

July 9 and 10, 1987 meeting, Board of Trustees

1987-88 CURRENT FUNDS BUDGET
THE OHIO STATE UNIVERSITY (contd)

- * Fund salary increases for negotiated wage settlements.
- * Provide funding to maintain the purchasing power of University-funded student financial aid, plus \$5,500,000 to address critical needs that include providing adequate instructional staffs, supporting continued efforts to enhance excellence and quality, and assisting implementation of program changes. In addition, the State has provided \$2.47 million in Academic Challenge funds to be distributed to further enhance nationally recognized academic programs at Ohio State, and \$4.98 million in Research Challenge resources.
- * Provide resources to meet mandatory General Fund cost increases, such as utilities and employee benefits.

One-time funds totaling \$4.5 million will be provided for equipment, facilities renovation, and the acquisition of library materials to continue to improve the quality of these fundamental support resources.

This balanced budget for 1987-88 is being presented for Board of Trustees approval.

July 9 and 10, 1987 meeting, Board of Trustees

THE OHIO STATE UNIVERSITY
1987-88 CURRENT FUNDS BUDGET

Sources of Income
(In Millions)

	1986-87 Budget June 11, 1986	1986-87 Revised Estimate	1987-88 Proposed Budget
Central Campus			
State Appropriations	\$266.42	\$269.39	\$273.27
Student Fees	122.60	122.04	133.91
Other Income			
Federal Appropriations & Grants	89.10	88.26	92.00
Ohio Grants & Contracts	8.27	9.01	9.33
Local Grants & Contracts	11.79	11.51	11.88
Private Gifts & Grants	45.27	42.72	46.21
Endowment Income	7.31	7.80	8.30
Departmental Sales & Services	23.29	26.21	27.24
Auxiliary Sales & Charges	71.44	72.16	76.72
Hospital Sales & Services	176.89	182.47	192.91
Other Sources	14.24	15.00	14.22
Total Other Income	\$447.60	\$455.14	\$478.81
Total Central Campus	\$836.62	\$846.57	\$885.99
Regional Campuses			
State Appropriations	9.87	10.23	11.75
Student Fees	6.57	6.95	7.66
Other Income	3.00	3.13	3.25
Total Regional Campuses	\$19.44	\$20.31	\$22.66
OARDC			
State Appropriations	18.78	18.78	19.15
Federal Appropriations	6.06	6.38	6.55
Other Income	4.24	3.86	4.10
Total OARDC	\$29.08	\$29.02	\$29.80
Total University			
State Appropriations	295.07	298.40	304.17
Student Fees	129.17	128.99	141.57
Other Income	460.90	468.51	492.71
Total Resources	\$885.14	\$895.90	\$938.45

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July 9 and 10, 1987 meeting, Board of Trustees

THE OHIO STATE UNIVERSITY
1987-88 CURRENT FUNDS BUDGET

Budgeted Uses
(In Millions)

	1986-87 Budget June 11, 1986	1986-87 Revised Estimate	1987-88 Proposed Budget
Central Campus			
Educational & General	\$565.57	\$567.37	\$592.66
Auxiliary Enterprises			
Residence & Dining Halls	28.33	28.33	28.95
Intercollegiate Athletics	16.45	16.45	18.78
Other Auxiliaries	25.47	25.47	24.90
Total Auxiliaries	\$70.25	\$70.25	\$72.63
University Hospitals	187.65	191.75	201.67
Total Central Campus	\$823.47	\$829.37	\$866.96
Transfers	13.13	13.13	15.34
Grand Total Central Campus	\$836.60	\$842.50	\$882.30
Regional Campuses			
Agricultural Technical Inst.	5.02	5.08	5.66
Lima Campus	4.13	4.30	4.67
Mansfield Campus	3.74	4.00	4.28
Marion Campus	2.93	3.26	3.51
Newark Campus	3.54	3.67	3.96
Total Regional Campuses	\$19.36	\$20.31	\$22.08
OARDC	29.08	29.02	29.80
Total All Campuses	\$885.04	\$891.83	\$934.18

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THE OHIO STATE UNIVERSITY
1987-88 CURRENT FUNDS BUDGET

Student Fee Schedule (Fees Per Quarter)

College or School	Credit Hours Enrollment	Instruct. Fees	General Fees	Resident Total	Non-Resident Tuition	Non-Resident Total
Undergraduate Colleges						
Agriculture & Home Economics						
Allied Medical Prof.						
Architecture						
The Arts						
Biological Sciences						
Business						
Continuing Education						
Dental Hygiene						
Education	0	43	8	51	43	94
Engineering	1	85	15	100	86	186
Health, Phys. Educ., & Rec.	2	106	23	129	172	301
Humanities	3	127	31	158	258	416
Journalism	4	169	41	210	343	553
Mathematics & Physical Sci.	5	212	51	263	429	692
Music	6	254	61	315	515	830
Natural Resources	7	296	71	367	601	968
Nursing	8	339	81	420	687	1,107
Pharmacy	9	381	92	473	773	1,246
Social & Behavioral Sciences	10	423	102	525	858	1,383
Social Work	11	466	112	578	944	1,522
University College	12+	508	122	630	1,030	1,660
Graduate School						
	0	44	8	52	60	112
	1	88	15	103	120	223
	2	141	24	165	239	404
	3	212	37	249	359	608
	4	282	49	331	479	810
	5	353	61	414	599	1,013
	6	423	73	496	718	1,214
	7	494	85	579	838	1,417
	8	564	98	662	958	1,620
	9	635	110	745	1,077	1,822
	10+	705	122	827	1,197	2,024

THE OHIO STATE UNIVERSITY
1967-68 CURRENT FUNDS BUDGET

Student Fee Schedule

College or School	Credit Hours Enrollment	Instruct. Fees	General Fees	Resident Total	Non- Resident Tuition	Non- Resident Total
Graduate Professional						
Law	0	78	12	90	120	210
(Fees Per Semester)	1	156	23	179	240	419
	2	250	37	287	385	672
	3	374	55	429	577	1,006
	4	499	73	572	769	1,341
	5	624	92	716	962	1,678
	6	749	110	859	1,154	2,013
	7	874	128	1,002	1,346	2,348
	8	998	146	1,144	1,538	2,682
	9	1,123	165	1,288	1,731	3,019
	10*	1,248	183	1,431	1,923	3,354
Pharmacy, Doctor of						
(Fees Per Quarter)	0	52	8	60	80	140
	1	104	15	119	160	279
	2	156	24	190	256	446
	3	249	37	286	385	671
	4	332	49	381	513	894
	5	416	61	477	641	1,118
	6	499	73	572	769	1,341
	7	582	85	667	897	1,564
	8	665	98	763	1,026	1,789
	9	748	110	858	1,154	2,012
	10*	831	122	953	1,282	2,235

UNP/July 10, 1967

THE OHIO STATE UNIVERSITY
1987-88 CURRENT FUNDS BUDGET

Student Fee Schedule

College or School	Credit Hours Enrollment	Instruct. Fees	General Fees	Resident Total	Non-Resident Tuition	Non-Resident Total
Graduate Professional						
Medicine	0	93	8	101	181	282
(Fees Per Quarter)	1	185	15	200	362	562
	2	295	24	319	578	897
	3	443	37	480	868	1,348
	4	591	49	640	1,157	1,797
	5	739	61	800	1,446	2,246
	6	886	73	959	1,735	2,694
	7	1,034	85	1,119	2,024	3,143
	8	1,182	98	1,280	2,314	3,594
	9	1,329	110	1,439	2,603	4,042
	10+	1,477	122	1,599	2,892	4,491
Dentistry	0	76	8	84	164	248
Optometry	1	151	15	166	328	494
Veterinary Medicine	2	242	24	266	525	791
(Fees Per Quarter)	3	363	37	400	788	1,188
	4	484	49	533	1,050	1,583
	5	606	61	667	1,313	1,980
	6	727	73	800	1,576	2,376
	7	848	85	933	1,838	2,771
	8	969	98	1,067	2,101	3,168
	9	1,090	110	1,200	2,363	3,563
	10+	1,211	122	1,333	2,626	3,959

UBP/July 10, 1987

THE OHIO STATE UNIVERSITY
1987-88 CURRENT FUNDS BUDGET

Student Fee Schedule (Fees Per Quarter)

College or School	Credit Hours Enrollment	Instruct. Fees	General Fees	Resident Total	Non-Resident Tuition	Non-Resident Total
Regional Campuses						
Undergraduate	0	43	6	49	43	92
	1	85	12	97	86	183
	2	106	18	124	172	296
	3	127	24	151	258	409
	4	169	32	201	343	544
	5	212	40	252	429	681
	6	254	48	302	515	817
	7	296	56	352	601	953
	8	339	64	403	687	1,090
	9	381	72	453	773	1,226
	10	423	80	503	858	1,361
	11	466	88	554	944	1,498
	12+	508	96	604	1,030	1,634
Graduate	0	44	6	50	60	110
	1	88	12	100	120	220
	2	141	19	160	239	399
	3	212	29	241	359	600
	4	282	38	320	479	799
	5	353	48	401	599	1,000
	6	423	58	481	718	1,199
	7	494	67	561	838	1,399
	8	564	77	641	958	1,599
	9	635	86	721	1,077	1,798
	10+	705	96	801	1,197	1,998

UBP/July 10, 1987

July 9 and 10, 1987 meeting, Board of Trustees

July 9 and 10, 1987 meeting, Board of Trustees

REPORT - UNIVERSITY'S INVESTMENT PORTFOLIO

Resolution No. 88-16

RESOLVED, That the report on the University's Investment Portfolio, dated June 19, 1987, 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, September 3, 1987, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, at 6:30 p.m.

Attest:

Madison H. Scott
Secretary

Edmund C. Redman
Chairman

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APPENDIX I

Degrees Conferred at

THE OHIO STATE UNIVERSITY
COMMENCEMENT CONVOCATION

September 3, 1987

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Commencement Speaker

Marilyn Robinson Waldman

Marilyn Robinson Waldman is a professor of history and director of the Center for Comparative Studies in the Humanities. A nationally known expert in Islamic and Middle East history, she earned her bachelor's degree in 1963 from Radcliffe, where she was inducted into Phi Beta Kappa. She received both her graduate degrees in Islamic history from the University of Chicago: a master's degree with honors in 1966 and a doctoral degree with distinction in 1974.

She began her career at Ohio State in 1971 as an instructor in history. In 1974 she was promoted to assistant professor and in 1978 to associate professor. Her tenure at Ohio State also includes three years as director of the Near and Middle East Studies Program and three years as chairperson of the Division of Comparative Studies in the Humanities.

Her contributions to Ohio State and to her field of study have been immense. Within the University she has served on more than 40 committees, including the Phi Beta Kappa standards committee, the Colleges of the Arts and Sciences Personalized Study Program Review Committee, and the University-Industry Relations Committee. She was also instrumental in the design and establishment of the Religious Studies Program, which she has headed since its inception in January 1983. Also in 1983, she co-chaired the Third Annual Symposium in the Humanities, which dealt with religion in the modern world.

Among her 45 published works are four books and 24 scholarly articles, and she has produced several translations and textbooks. Since arriving at Ohio State, she has made more than 250 public presentations in eight states to a variety of organizations. She is on the executive board of the American Society for the Study of Religion and is the recipient of numerous honors and awards, including election to the American Society for the Study of Religion and awards that funded her post-doctoral study in Iran.

Distinguished Service Awards

John F. Havens

After graduating from Ohio State with a Bachelor of Science degree in 1949, John F. Havens went on to build an enviable career as a banker, real estate developer, and broker. His rise in financial circles culminated in his being named chairman of the board and chief executive officer of Banc One Corporation, a position he held from 1980 to 1986. Numerous civic citations complement several professional awards, and he serves on the boards of a variety of institutions, among them the W.W. Williams Company, Advanced Drainage Systems Inc., and Cardinal Distributions Inc., all of the Columbus area.

Havens' involvement with Ohio State did not end with his commencement in 1949; since that time, he has continued to support the University and provide leadership in many arenas. He recently completed a nine-year term on Ohio State's Board of Trustees, serving as chairman during 1985-86; is a past chairman of the Board of Directors of the Development Fund; and is currently a member of the National Campaign Committee of The Ohio State University Campaign.

He was instrumental in Bank One of Columbus' decision to commit \$1 million for the Bank One Chair of Excellence at Ohio State. Recently, Havens made a substantial gift of real estate that will benefit the College of Agriculture. Ohio State is proud to present him with the Distinguished Service Award as an expression of the University's sincere appreciation.

William Poland

At the time of his death in March 1987, William Poland was professor emeritus of music and had served for many years as associate dean of the Graduate School. He came to Ohio State in 1949 as an instructor and was, subsequently, the first student to earn a doctoral degree in music from the University and one of the founders of the Columbus Symphony Orchestra.

As a scholar in music theory, he made significant contributions in the areas of musical behavior and analysis, and two of his books have become classics in the field. Keenly interested in experimental activities in the arts, he founded what was called the Center for Experimental Research in the Arts from 1965 to 1986. Current scholars consider him a pioneer in integrating musical theory into today's high-technology computer era. He was honored in 1971 with Ohio State's prestigious Alumni Award for Distinguished Teaching.

In 1975, when he took on additional responsibilities as associate dean, he created a program review system for the University that has become a national model for other institutions. His lasting contributions to the University also include his acquisition of the Cazden Collection—an archive of papers, compositions and other materials of Norman Cazden, an important music theorist, composer, and performer.

Distinguished Service Awards

Maybelle L. Ruppert

For nearly a quarter of a century, Maybelle Ruppert has served as executive secretary to the president of The Ohio State University. Former President Novice G. Fawcett recruited her to the University in 1964 from her position as executive secretary to the governor of West Virginia; since then, her career at Ohio State has spanned the tenure of three presidents.

She is known throughout the university for her uncommon competence and for her loyalty to and love of Ohio State. Her 23 years of service have crossed over both good and bad times in higher education, but, as noted by the three presidents whom she has served, her commitment has been unwavering.

Her position has been one of low visibility in a high-visibility office. While she herself has not been in the spotlight, her talent has contributed a great deal to the overall strength of the Office of the President.

She has earned the respect of the faculty, the administration, and the sector of the business community with which the University deals. She has adeptly handled the public relations component of her position. As the president's secretary, she dealt with individuals at all levels, and was unfailingly courteous to all guests, ranging from students to foreign dignitaries. The University proudly confers this award to her for her long-standing devotion and superior service.

Seward D. Schooler

Seward Schooler is a former director of Banc One Corporation and serves as chairman of the executive committee and honorary director of Banc One of Coshocton. Throughout his banking career he also has served as director of the Federal Reserve Bank of Cleveland, as president of the Ohio Bankers Association, and as president of the National Bank Division of the American Bankers Association. He is also a trustee of several educational institutions and president of the Coshocton County Industrial Development Corporation.

For more than 20 years, he has been a generous supporter of Ohio State. Among his major contributions is his co-sponsorship of the Schooler-Reese Lecture Series, through which two former presidents of the United States and other distinguished world leaders have visited the University to give public lectures and meet informally with students and faculty.

He has promoted the University's academic excellence by supporting the National Merit Scholar Program, the Reese Chair in Banking, and several projects in the College of Medicine. A member of The Presidents Club and The Presidents Council, he served on the Executive Committee of The Presidents Club for six years and is at present a member of the National Campaign Committee for The Ohio State University Campaign. The University is proud to recognize him with this award.

Distinguished Service Awards

Faye S. Smith

Since graduating in 1939 with a bachelor's degree in business education from Ohio State, Faye S. Smith has pursued excellence in education in many arenas. A high school teacher for 14 years, she returned to the University for her master's degree. In 1953 she accepted a position as assistant professor at Otterbein College. She returned to Ohio State again in 1960—this time in an administrative role as assistant to the secretary of the Board of Trustees, a position from which she retired in 1984.

For 24 years, she was the key administrative official in the Office of the Board of Trustees. She coordinated and prepared agenda materials for board meetings, recorded official proceedings of those meetings, updated and published appropriate bylaws and rules, and conducted other day-to-day activities for the board.

During her tenure at Ohio State, Smith served three board secretaries under the administration of three University presidents. She had a thorough knowledge of Ohio State's history and could lend important perspective to a variety of problems. Her involvement with the University did not stop at the office door: as a member of The Presidents Club and the Alumni Association, she was and continues to be involved personally as well. The University is pleased to present her with this award for her professional and personal contributions.

Marion L. Smith

Marion L. Smith, former associate dean of the College of Engineering, has participated in an unusually broad range of activities throughout his 37 years at The Ohio State University. He began his teaching career at the University in 1947 as a graduate student. For 11 years he was a leading faculty member in the mechanical engineering department. During this period in his career, he compiled an impressive record in teaching and in scholarship.

He subsequently spent 26 years as associate dean. Among his greatest contributions has been his achievement in developing solid relationships between students and faculty and in enhancing morale throughout the college. A by-product of this relationship has been the firm ties between the college and its alumni long after commencement day. His special abilities have also been recognized by other universities: he has received invitations to candidacy for chairmanships and deanships from a dozen recognized universities. He has, however, chosen to stay at Ohio State out of love for and loyalty to his alma mater.

As associate dean, he has assumed a leadership role in promoting the college—as well as the University—in academic circles nationwide. The link between the College of Engineering and industry has also been strengthened as a result of his efforts. He was instrumental in establishing the Society of Women Engineers as a support organization at a time when few females ventured into the engineering curriculum. His lengthy list of professional awards indicate the scope of his achievement and are a testament to his talent as a scholar, professor, and administrator. Ohio State welcomes the opportunity to honor him for his distinguished and productive career.

The Graduate School

Dean: Roy A. Koenigsnecht

Doctor of Musical Arts

Tzong-Kai Kuo, Taiwan, R.O.C.; B.S. (Chong Yuan University); M.A. (Eastern Illinois University); *Music*
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Dr. Gordon Wilson

Doctor of Philosophy

Hassan Farouk Ahmed, Egypt; B.S. (Cairo University); M.S.; *Agricultural Economics and Rural Sociology*
Dr. Norman Rask

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Dr. James I. Frea

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Dr. Robert Burnkrant

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Dr. Thomas Milburn

Sebronette Barnes, Foxworth, MS; B.M.E. (Jackson State University); M.M. (Miami University); M.A.; *Music*
Dr. Jere Forsythe

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Dr. Walter A. Sweet

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Dr. Richard G. Olsen

Gregory Scott Beckler, Pottersville, NY; B.S. Biology (State University of New York); *Molecular, Cellular, and Developmental Biology*
Dr. John N. Reeve

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Dr. Daniel Couri

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Dr. Carl R. Ingling, Jr.

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Dr. Robert H. Wagoner

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- Cynthia Anne Whitehead**, Fresno, CA; B.A. (Spelman College); *Psychology*
- Stephen John Whitmyer**, Columbus; B.A. (University of Notre Dame); *Health, Physical Education and Recreation*
- Andrew William Wilson**, Pantucket, RI; B.S. (University of Maine); *Health, Physical Education and Recreation*
- Brent Lee Winand**, Fredericktown; B.S.Ed.; *Education*
- Barbara Wookey**, Huntington, WV; B.S. (Marshall University); *Education*
- Cheryl Louise Worley**, Circleville; B.A.; *Public Administration*
- Enid E. Wray**, Toronto, Ontario, Canada; B.A. (McMaster University); *Geography*
- Vicki Renee Wright**, Reynoldsburg; B.S.Ed.; *Education*
- Jyh-Lin Wu**, Taiwan, R.O.C.; B.A. (Tamkang University); *Economics*
- Nancy Ellen Yates**, Worthington; B.Mus.Ed.; *Music*
- Amy Ruth Yersavich**, Columbus; B.S. (Ohio Dominican College); *Geography*
- Ann Elizabeth Yernavich**, Columbus; B.A. (Ohio Dominican College); *Health, Physical Education and Recreation*
- Marina Zvetina**, Columbus; B.A. (Xavier University); *Education*
- Master of Business Administration**
- Jagannathan Krishnan**, New Delhi, India; B.Com., M.Com. (University of Delhi, India); Chartered Accountant (The Institute of Chartered Accountants of India); *Business Administration*
- Master of City and Regional Planning**
- Ali Nassirzadeh**, Iran; B.S.C.E., M.E.; *City and Regional Planning*
- You-Sheng Tsao**, Kaohsiung, Taiwan, R.O.C.; B.S. (Teng-Chua University); *City and Regional Planning*
- Master of Fine Arts**
- Jefferson Shaw Cronin**, Falls Church, VA; B.S. (Davis and Elkins College); *Theatre*
- Susan Beth Halpern**, Columbus; B.F.A. (Alfred University); *Art*
- Kevin James Hayes**, Tucson, AZ; B.A. (Saint Vincent College); M.A.; *Theatre*
- Mark Edward Kirk**, San Antonio, TX; B.F.A. (Southwest Texas State University); *Theatre*
- Hee Sun Lee**, Seoul, South Korea; B.A., M.F.A. (Ewha Womans University); *Art*
- Mark Robert Lysowski**, Campbell; B.F.A.; (Youngstown State University); *Art*
- Lisa Ann Molyneux**, Delmar, NY; B.A. (State University of New York at Geneseo); *Theatre*
- Marc Edwin Moulton**, Kaysville, UT; B.A. (Weber State College); *Art*
- Susan M. Schimke**, Port Washington, WI; B.F.A. (University of Wisconsin-Oshkosh); *Art*
- Barbara Gene Veatch**, Worthington; B.F.A.; *Art*
- Mary Ellen Watkins**, Columbus; B.F.A. (Rhode Island School of Design); *Art*
- Master of Health Administration**
- Jay Zeno Conley**, Westerville; B.S. (Alderson-Broaddus College); *Hospital and Health Services Administration*
- A. Joseph Dowd, Jr.**, Powell; B.A. (Princeton University); *Hospital and Health Services Administration*
- Coleen Karter Schwartz**, Pittsburgh, PA; B.S. (Pennsylvania State University); *Hospital and Health Services Administration*
- Dale Martin Sowders**, Cincinnati; B.A.; *Hospital and Health Services Administration*
- Master of Labor and Human Resources**
- Kim Ruark Charleston**, Dublin; B.S. (Miami University); *Labor and Human Resources*
- Jayne Hays Cohn**, Columbus; B.A. (Kenyon College); *Labor and Human Resources*
- Susan Helms Darbyshire**, Dublin; B.S. (Virginia Commonwealth University); *Labor and Human Resources*
- Robert Thomas Hollister**, Columbus; B.A. (Ohio Dominican College); *Labor and Human Resources*
- Olumide Adebola Ijose**, Ibadan, Nigeria; B.S. (University of Ibadan, Nigeria); *Labor and Human Resources*
- Slamet Ph**, Yogyakarta, Indonesia; M.A., M.A. (Fkt-Ikip Yogyakarta); M.Ed. (Sam Houston State University); M.A., M.A., Ph.D.; *Labor and Human Resources*

Jackson Edwin Pyles, Worthington; B.A. (Hiram College); B.D., M.A. (University of Chicago); *Labor and Human Resources*

Suzanne Annette Smith, Columbus; B.A.; *Labor and Human Resources*

Richard Martin Weirich, Dublin; B.A.; *Labor and Human Resources*

Master of Landscape Architecture

Najy Saleh Al Ibraheem, Riyadh, Saudi Arabia; B.S. (King Saud University); *Landscape Architecture*

Master of Liberal Studies

Melinda Lou Wolf, Columbus; B.S.; *Liberal Studies*

Master of Music

Joseph George Cisneros, Jr., San Antonio, TX; B.A. (University of Houston); *Music*

Master of Public Administration

Michael Derek Champness, Farmington, MI; B.S.E., (University of Michigan); *Public Administration*

Jacqueline Lee Schneider, Cincinnati; B.S. (University of Cincinnati); *Public Administration*

Master of Science

Shuaa Abdulhadi Al-Abdulhadi, Dammam, Saudi Arabia; B.S. (Ohio University); *Home Economics*

Brenda Osterman Alexander, Groveport; B.S.Nurs.; *Nursing*

Yuiko Babaguchi, Tokyo, Japan; B.V.M. (Nihon University); *Animal Science*

Teresa E. Bechdolt, Harrod; B.S.Nurs.; *Nursing*

Gary Alan Beck, Gallitzin, PA; B.S. (Pennsylvania State University); M.S., Ph.D. (Ohio University); *Industrial and Systems Engineering*

Mark Douglas Berman, Englewood, CO; B.A. (University of Northern Colorado); *Anatomy*

Vidyadhar Ashok Bhajekar, Bombay, India; B.E. (Karnatak University); *Mechanical Engineering*

Carmen Marie Blades, Worthington; B.S. (Duke University); *Nursing*

Donna Jean Brust, Danville; B.S.Nurs.; *Nursing*

Joseph William Carl, Jr., Satellite Beach, FL; B.S.E.E.; *Electrical Engineering*

Henghsiau Chang, Taiwan, R.O.C.; B.S. (National Cheng Kung University); *Mechanical Engineering*

Ki Sung Chang, Seoul, South Korea; B.S.Arch. (Han Yang University); M.B.A. (Chonnam National University); *Civil Engineering*

Indranil Chattoraj, Chasnala, Bihar, India; B.Tech. (I.I.T. Kanpur, India); *Metallurgical Engineering*

Pi-chu Fan Chiao, Taiwan, R.O.C.; B.A. (Fu- Jen University); M.S. (Texas A & I University); *Mathematics*

Shyh Yuan Chyan, Taiwan, R.O.C.; B.S.M.E. (National Taiwan University); *Mechanical Engineering*

Charles Brian Cook, Chillicothe; A.A.S., B.S.Agr.; *Agricultural Education*

Cheryl Joseph Crenshaw, Columbus; B.S.Nurs.; *Nursing*

Christopher Paul Culotta, Hampton, VA; B.S. (Tennessee Technical University); *Dairy Science*

Roger Alan Davis, Junction City; B.S.Agr.; *Agricultural Education*

Vasilios Konstantinos Despotakis, Ag Nikolaos, Crete, Greece; Dipl.Lug. (University of Thessaloniki); *Geodetic Science and Surveying*

Elizabeth Carol Downs, Columbus; B.Mus.; *OSU Biochemistry Program*

Robert Michael Eber, Columbus; D.D.S. (Indiana University); *Dentistry*

Sandra Mazza Eberts, Columbus; B.S.; *Geology and Mineralogy*

Kelly Renee English, Mayfield, KY; B.A. (University of Kentucky); *Agricultural Education*

Frederick Henry Each, St. Louis, MO; B.S. (University of Utah); *Geodetic Science and Surveying*

Hassan Ali Ezzeddine, Lebanon; B.S.Elect.Eng. (University of Oklahoma); *Electrical Engineering*

Mary Catherine Faller, Cincinnati; B.A. (College of Mount Saint Joseph); *Allied Medical Professions*

Andrew Karl Fellenz, Smithtown, NY; B.S. (State University of New York, Stony Brook); *Industrial and Systems Engineering*

Timothy James Fleming, Hubbard; B.E. (Youngstown State University); *Electrical Engineering*

Timothy Francis Flood, LaCrosse, WI; D.D.S. (Marquette University); *Dentistry*

Thomas James Fowler, Parma Heights; B.S. (Western Kentucky University); *Genetics*

Teresa Wise Franciaco, Loudonville; B.S.Nurs.; *Nursing*

Mark Alden Frautschi, Chapel Hill, NC; B.S. (University of North Carolina at Chapel Hill); *Physics*

Donald Edward Frazier, Jr., Columbus; B.S.; *Veterinary Pathobiology*

Douglas Mahaffey Danks Frye, Columbus; B.S. (Hillsdale College); *Radiology*

Philip Lewis Garber, Acton, MA; B.S. (Framingham State College); *Veterinary Physiology and Pharmacology*

Christopher Paul Gilboy, New Castle, PA; B.S.E.E. (University of Pittsburgh); *Electrical Engineering*

Robert C. Gill, South Euclid; B.S. (Massachusetts Institute of Technology); *Chemical Engineering*

Margaret Joy Goetz, Ellicott City, MD; B.S. (Calvin College); *Zoology*

Philip Richard Good, Medina; B.S.Nutrition; *Home Economics*

Mark McDowell Grant, Columbus; B.S.M.E.; *Mechanical Engineering*

Richard Gilbert Greene, Georgetown, Guyana; B.S.Surv.; *Civil Engineering*

Donna Jean Grooms, Attleboro, MA; B.S. (Cornell University); *Food Science and Nutrition*

Pamela Ann Gruenwald, Cincinnati; B.S. (Edgecliff/Xavier University); *Nursing*

William Robert Guertal, Whitehall; B.S.; *Agronomy*

Marilyn Kay Harton, Worthington; B.S. (Michigan State University); *Nursing*

Ba Hein, Pakokku, Magwe, Burma; B.Agr. (Mandalay Agricultural Institute); *Agricultural Education*

Reinaldo A. Hernandez, Puerto Rico; B.S.; (University of Puerto Rico); *Chemical Engineering*

Todd Maurice Hess, Ironton; B.S. (University of Cincinnati); *Chemical Engineering*

Ervin Blair Holladay, North Augusta, SC; B.A. (College of Charleston); B.S. (Medical University of South Carolina); *Allied Medical Professions*

Rita Caporicci Hoop, Hopewell Junction, NY; B.A. (Cornell University); *Genetics*

James John Hoorman, Ottawa; B.S.Agr.; *Agricultural Economics and Rural Sociology*

- Wen-Shiou Horng**, Taiwan, R.O.C.; B.S.C.E. (Chung Yuan University); *Civil Engineering*
- Owen Jay Hostettler**, Orrville; A.A.S., B.S.Agr.; *Agricultural Economics and Rural Sociology*
- Colleen Marie Hudak**, Columbus; B.S.Ed. (Kent State University); *Agronomy*
- Gregory Masten Huffman**, Dublin; B.S.E.E. (Michigan Technological University); *Electrical Engineering*
- Vickie Darlene Hundley**, Columbus; B.S.Agr.; *Preventive Medicine*
- Tauhid Husain**, Karachi, Pakistan; B.S.M.E.; *Mechanical Engineering*
- Mark Howard Jansen**, Columbus; B.A. (Wabash College); M.S. (Purdue University); *Computer and Information Science*
- Karen Ann Jefferson**, Columbus; B.S. (Vanderbilt University); *Preventive Medicine*
- Craig Evan Jensen**, Port Clinton; B.S.M.E.; *Nuclear Engineering*
- Baoming Jiang**, Wuhan, Hubei, P.R.C.; B.S. (Huazhong Agricultural University); *Veterinary Pathobiology*
- Puspa Man Joshi**, Patan, Nepal; B.E. (Tung Chi University, Shanghai); *Civil Engineering*
- Ismail Jouny**, Beirut, Lebanon; B.S. (Beirut Arab University); *Electrical Engineering*
- MD Nor Kamarudin**, Columbus; B.S. (University Teknologi Malaysia); *Geodetic Science and Surveying*
- Kimberly Ann Kampman**, Chagrin Falls; B.S.Nutrition; *Animal Science*
- Min Sok Kang**, Columbus; B.S. (Memphis State University); *Chemistry*
- John Michael Karanikas**, Salonica, Greece; Diploma of Physics (University of Thessaloniki, Greece); *Physics*
- Michael Jerome Kastle**, Yellow Springs; B.S.E.E. (University of Dayton); *Electrical Engineering*
- Hussam Din Faisal Khartabil**, Syrian Arab Republic; B.S., M.E. (University of Houston); *Nuclear Engineering*
- Leila Kiaee**, Tehran, Iran; B.S.Ch.E.; *Chemical Engineering*
- Andrew Myongsu Kim**, Gardena, CA; B.A. (California State University); D.M.D. (Washington University); *Dentistry*
- Sundarrajan Kodiyalam**, Madras, India; B.Pharm. (Madras University); *Pharmacy*
- William Craig Kortier**, Monroeville, PA; B.S., B.S. (Pennsylvania State University); *Agricultural Economics and Rural Sociology*
- Paul Thomas Kotnik**, Chesterland; B.S.E.E.; *Electrical Engineering*
- Jong-Won Kwon**, Seoul, South Korea; B.S. (Hanyang University); *Metallurgical Engineering*
- Laura Elizabeth Lantry**, Columbus; B.S.; *Zoology*
- Dong-Cheon Lee**, Seoul, South Korea; B.S.C.E. (Yonsei University); *Geodetic Science and Surveying*
- Jong-Sook Kwon Lee**, Seoul, South Korea; B.S. (Seoul National University); *Home Economics*
- Chun-Wu Roger Leng**, Taiwan, R.O.C.; B.S. (National Taiwan University); *Computer and Information Science*
- Deborah Anne Lewis**, Columbus; B.S.N. (Capital University); A.B. (Ohio University); *Nursing*
- Chwanshan Charles Lin**, Taiwan, P.R.C.; B.S. (National Chen-kung University); *Civil Engineering*
- Shwu-Huey Liu**, Taipei, Taiwan, R.O.C.; B.S. (Soochow University); *Chemistry*
- Hui-Ming Lu**, Taiwan, R.O.C.; B.A. (Fu-Jan Catholic University); *Welding Engineering*
- Robert David Macgregor**, Columbus; B.A. (University of California); M.A. (Harvard University); *Agricultural Economics and Rural Sociology*
- Robert David Macke**, Westerville; B.A. (University of Cincinnati); *Agricultural Economics and Rural Sociology*
- George E. Makroglou**, Parma; B.S.; *OSU Biochemistry Program*
- Mohamed Abdel-Bary M Mandour**, Cairo, Egypt; B.S. (Fac.Vet.Med. Cairo University); M.S. (Fac.Vet.Med. Alex. University); *Poultry Science*
- Cathy Sue Mansperger**, Columbus; B.S.P.A. (University of Georgia); *Astronomy*
- Debra Jo Martin**, Genoa; B.S.Agr.E.; *Agricultural Engineering*
- Karen Lou Martin**, Barboursville, WV; B.S.Nurs. (Marshall University); *Nursing*
- Diane Elaine Mason**, Cincinnati; B.S. (Ohio University); D.V.M.; *Veterinary Clinical Sciences*
- Charis Themos Mavromoustakis**, Nicosia, Cyprus; B.S. (Indiana University); *Medical Microbiology and Immunology*
- Marianne Ierace Mayberry**, Pearl Beach, NY; B.S.E.S.M. (Georgia Institute of Technology); *Bio-Medical Engineering*
- Colleen Marie McCarthy**, Toledo; B.S. (Miami University); *Home Economics*
- Judy Ann McLaughlin**, Urbana; B.S.Nurs.; *Preventive Medicine*
- Subodh Gautam Mhaisalkar**, India; B.Tech. (Indian Institute of Technology); *Ceramic Engineering*
- Madeleine Miguel**, Rio Piedras, PR; B.S. (University of Puerto Rico); *Aeronautical and Astronautical Engineering*
- Andrea Renee Mihajlov**, Barberton; B.A. (Hiram College); *Bio-Medical Engineering*
- David Parrett Miller**, Kettering; B.S. (Colorado State University); *Plant Pathology*
- Randal Scot Miller**, Toledo; B.A. (Bluffton College); *Chemistry*
- Khalid Mirza**, Karachi, Pakistan; B.Eng. (NED University of Engineering and Technology); *Electrical Engineering*
- Vibhu Omprakash Mittal**, Bombay, India; B.Tech. (Indian Institute of Technology); *Computer and Information Science*
- Thomas A. Mlay**, Columbus; B.A.; *Computer and Information Science*
- Gregory Peter Morosky**, Erie, PA; B.S. (Indiana University of Pennsylvania); *Chemistry*
- Din Subari Mustafa**, Malaysia; B.Surv. (Universiti Teknologi Malaysia); *Geodetic Science and Surveying*
- Leonard Sive Ndlovu**, Luyengo, Manzini, Swaziland; B.S. (University of Wisconsin-Madison); *Agronomy*
- Martindale Nelson**, Lucasville; B.S.Ch.E.; *Chemical Engineering*
- Lee A. Newman**, Shaker Heights; B.S.E.E.; *Electrical Engineering*
- Jacqueline Nga Nguyen**, Madison, WI; B.S. (University of Wisconsin); *Computer and Information Science*
- Deborah Ann O'Keefe**, San Jose, CA; B.S., D.V.M. (University of California, Davis); *Veterinary Clinical Sciences*
- James Bernard Olesen**, Columbus; B.S. (Bowling Green State University); *Genetics*
- Steven Carl O'Neal**, Dayton; B.S.Agr.; *Agricultural Education*
- Jonathan Pearson Pappi**, Dellroy; B.S.Met.E.; *Metallurgical Engineering*
- Gary Robert Pickerell**, Zanesville; B.S.Cer.E.; *Ceramic Engineering*
- Daniel William Poff**, Lancaster; B.S.Al.Hth.Prof.; *Home Economics*
- Marc Alan Post**, Cleveland; B.A. (Carleton College); *Zoology*
- Krishna Ariadi Pribadi**, Bandung, Indonesia; B.A. (Ohio Wesleyan University); *Electrical Engineering*

- Jagannathan Ramanujam**, Madurai, India; B.Tech. (Indian Institute of Technology); *Computer and Information Science*
- Keith Allen Ramsey**, Coshocton; B.S. (Miami University); *Electrical Engineering*
- Rupa Rao**, New York, NY; B.E. (City College of New York); *Chemical Engineering*
- Paul Evan Reed**, Columbus; B.S.E.E.; *Electrical Engineering*
- Lawrence Philipp Rice**, Franklin Furnace; B.S.E.P.; *Electrical Engineering*
- Ronald Jay Rice**, Columbus; B.S. (Purdue University); *Chemistry*
- Charles David Ridgley Jr.**, San Antonio, TX; B.A. (University of Arkansas); D.M. (University of Arkansas School of Medicine); *Preventive Medicine*
- Cheryl Ann Riley**, The Plains; B.S.N. (Capital University); *Nursing*
- Derrick Keith Rollins**, Columbus; B.S. (Kansas University); *Chemical Engineering*
- Theodore George Rossin**, Westlake; B.S.E.E.; *Electrical Engineering*
- Robert David Rye**, Waynesville; B.S.Agr. (Murray State University); *Agricultural Economics and Rural Sociology*
- Richard Douglas Salman**, Clovis, NM; B.S. (Wayland Baptist University); B.S., M.A. (Eastern New Mexico University); *Geodetic Science and Surveying*
- Miguel Antonio Saviroff**, Maracay, Aragua, Venezuela; B.S. (California State University); *Agricultural Economics and Rural Sociology*
- Renee Marie Schnug**, Mansfield; B.S.N. (University of Toledo); *Nursing*
- Alida Marie Sfalcin**, Columbus; B.A. (Ohio Dominican College); *Home Economics*
- Jeffrey Lee Shaner**, Malta; B.S.Agr.; *Agricultural Education*
- John Perry Shapiro**, Columbus; B.S.; *Microbiology*
- Sha Samuel Shen**, Taipei, Taiwan, R.O.C.; B.S. (Chung-Yuang College); *Welding Engineering*
- Peter Chang-Hag Shin**, Stow; B.S. (Boston University); *Electrical Engineering*
- Ye-Don Shin**, Pusan, South Korea; B.S. (Pusan National University); *Industrial and Systems Engineering*
- Young Shil Shin**, Columbus; B.S. (Yonsei University); *Plant Pathology*
- Robert Samuel Simon**, Columbus; B.A. (Reed College); *Mathematics*
- Robert D. Sommers**, London; B.S. (Miami University); *Agricultural Education*
- Rhonda Rayman Sparrow**, Lima; B.S.N. (Bluffton College); B.S.Ed.; *Nursing*
- Cheryl Dawn Spencer**, Troy, MI; B.S. (Michigan State University); *Animal Science*
- Mark Stephens Stephenoff**, Wadsworth; B.S.C.E.; *Civil Engineering*
- Kamaluddin Haji Talib**, Malaysia, Malaysia; B.S. (Universiti Teknologi Malaysia); *Geodetic Science and Surveying*
- John William Taylor-Lehman**, Maple Heights; B.S. (Kent State University); *Botany*
- Nizar Trigui**, Sfax, Tunisia; B.S.M.E.; *Mechanical Engineering*
- Mark Alan Tucker**, Poplar Bluff, MO; B.S. (University of Missouri-Columbia); *Agricultural Education*
- Andrew Mark Turner**, New Carlisle; B.A. (Wittenberg University); *Zoology*
- Michael Vanlandingham**, Milford; B.S.All'd.Hlth.Prof.; *Allied Medical Professions*
- John Thomas Vaughan**, St. Petersburg, FL; B.S. (Appalachian State University); M.S. (University of Florida); *Zoology*
- Eric K. Voelk**, Williamsville, NY; B.A. (State University of New York); *Chemistry*
- Bonnie Wagoner vonClausburg**, Ridgeway, VA; *Home Economics*
- Ming-Tzong Wang**, Taiwan, R.O.C.; B.S. (National Taiwan University); *Industrial and Systems Engineering*
- David Lee Wantz**, Cambridge; B.S. (Ohio Northern University); *Pharmacy*
- James Ward**, Wilmington; B.S. (University of Dayton); *Electrical Engineering*
- Linda Ward**, Toledo; B.S. (Michigan State University); *Preventive Medicine*
- Thomas Joseph Ward**, Columbus; B.S.M.E.; *Mechanical Engineering*
- Edward Joseph Weisse**, Columbus; B.S. (University of Wisconsin-Oshkosh); *Mathematics*
- Jean Moore Wiley**, Delaware; B.S.H.E.; *Home Economics*
- Julie Ann Wise**, Groveport; B.S.Nursing (Franklin University); *Nursing*
- Hanwen Xie**, Chengdu City, P.R.C.; M.S. (Chongqing University); *Mechanical Engineering*
- George David Yocum**, Dayton; B.S.Agr.; *Entomology*
- Lorraine Marie Cross**, Defiance; B.S. (Defiance College); *Social Work*
- Linda Gorrell**, Dover; B.S. (Kent State University); *Social Work*
- Paul C. F. Henry**, Columbus; B.A. (Ohio Dominican College); *Social Work*
- Debra Ann Luciano**, Fredonia, NY; B.A. (State University of New York, Fredonia); *Social Work*
- Sandra Irelene Whitehead**, Lorain; B.A. (Mount Union College); *Social Work*
- Certificate of Specialist in Latin America Area Studies**
- Jeanne Lynn Friedman**, Columbus; B.A. (Gannon University); M.A.; *History*

Colleges of the Arts and Sciences

Chairman, Coordinating Council of Deans: Joan Huber

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

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

Acting Dean: Robert L. Arnold

Bachelor of Arts

William James Aldrich, Kettering
Patrick Daniel Benedict, Akron
Thomas Lea Coletta, Lakewood
Lynn Rae Follas, Van Wert
Michael Jay Fry, Coshocton
Matthew Todd Kilmer, Kettering
Mikel James Monnett, Buckeye Lake
Michele Eileen Ready, Warren
Susan Marie Scully, Bay Village
LoLitta Snow, Columbus
James William Swift, Columbus
Vivian Celeste Terhune, Beaver Creek

Bachelor of Fine Arts

Mary Beth Jude Benish, Youngstown
Joseph Reno Bernardo, Westerville
Kevin J. Connell, Columbus
Jane Ann Jackson, Chardon
Rita Michelle Jenkins, Youngstown
Elaine Grosshandler Joseph, Zanesville
Elizabeth Anne Melcher, Akron
Randall David Oldrieve, Columbus
William James Rankin, Steubenville
Edmund Joseph Ritchey, Columbus
Rafael Rosado, Lima
Brian Thomas Sating, Columbus
Edward Louis Sonner, Sunbury
Stephanie J. Stickford, Dublin
Jane Wellington Stooke, Columbus

Bachelor of Music

Vernon Lee Hairston, Mansfield
William Charles Mulligan, Columbus
Milton Vaughn Ruffin, Youngstown

Bachelor of Art Education¹

Lesley Ann Lieser, Columbus
Kathleen Ann Mulholland, Rockville, MD
Anita Sue Rigsby, Columbus

Bachelor of Art Education²

Susan Cornelia Jenkins, Somerset

Bachelor of Music Education²

Michele Lynn Dailey, Columbus
Heidi Lynn Hellstrom, Gahanna

Bachelor of Science in Industrial Design

Marietta L. Hock, Vandalia
Melissa Ann Rady, Toledo

College of Biological Sciences

Dean: William A. Jensen

Bachelor of Arts

Jeffrey Matthew Haight, Sardis

Bachelor of Science

Lisa Marie Abdullahi, Pittsburgh, PA
Christine Elizabeth Andrews, Columbus
Paula Ann Azar, Akron
Assad Andy Aziz, St. Clairsville
Robert E. Breving, Jr., Cincinnati
Lori Ann Chrysler, Columbus
Lisa Dilorio, Lyndhurst
George Emil Joseph, Cincinnati
Eugenia Karousis, Warren
Thomas Allen Kleinhanzl, Jackson
Stephen Paul Lacy, Centerville
Deborah Lynn McCormick, Middletown
Donna Marie Metzger, North Ridgeville
Innocent Ajuluchi Nweze, Awka, Anambra State, Nigeria
Kishor Kumar Patel, Columbus
Roberta Adams Smith, Columbus
Thomas David Thomas, Middleburg Heights
Jennifer Mary Wall, Centerville
Michael Edward Whitcomb, Jr., Upper Arlington
Glenn Phillip Zemel, University Heights

¹Offered by the College of the Arts

²Offered by the College of the Arts and the College of Education

College of Humanities

Dean: G. Micheal Riley

Bachelor of Arts

Randi Lynn Bader, Mayfield Village
Jeri Lynn Barnitz, Columbus
Pete J. Bellini III, Cleveland Heights
Donald Joseph Brand, Columbus
Stephen Paul Butler, Newark
Darcie Lynn Dodds, Worthington
Michael Douglas Downs, Columbus
Katherine Johnson Dyer, Wilmington, DE
Fritz Nicholas Fekete, Youngstown
Karl James Gieseke, Hilliard
James Peter Gillespie II, Steubenville
Paul Eric Goebel, Worthington
Ann Frances Griffith, Warren
David Christien Hambric, Columbus
Elizabeth Anne Handley, Columbus
Scott David Henry, Columbus
Jeffrey Lawrence Hochman, Dayton
D. Keith Holder, Atlanta, GA
Kirsten Lynn Isgro, Berea
Nicholas George Jonson, Hamilton
Geoffrey David Koeppinger, Aurora
Katherine Ann Korda, Columbus
Caitin Mountain Lancione, Wheeling, WV
Norman W. Litts, Jr., Columbus
*David U. Lopez, Canton
Robert J. Luehrs, Rocky River
Jodie Ann Michel, Santa Monica, CA
Melissa Dianne Moats, Akron
Mikel James Monnett, Buckeye Lake
Mark James Petrykowski, Grafton
Margaret Rose Rush, Granville
Natalina Sestito, Columbus
Michele Jeanine Shump, Portsmouth
Douglas Israel Speicher, North Canton
John Patrick Stinnett, Dublin
Thomas Laurence Thomas, Painesville
Carl Douglass Tyler, Cincinnati
Julie Ann Winters, Mt. Healthy
Stacie Sue Wright, Columbus
Keith Allen Zahniser, Upper Arlington
Elizabeth Ann Zimmerman, Tallmadge

College of Mathematical and Physical Sciences

Dean: C. William Kern

Bachelor of Arts

Jonathan Chapin Backus, Columbus
Mary Jo Cairnes, Lakewood
Ann Marie Diederich, Concord
A Wayne Jones, Columbus
Brian Keith Shann, Sayreville, NJ
Eric Bogardus Stuart, London

*Awarded Posthumously

Bachelor of Science

Eric Christopher Adamaszek, Dublin
James C. Arp, Columbus
Gregory Paul Balson, Warren
John Philip Bricker, Columbus
Pamela Sue Brooker, Warren
Deborah Lynne Brooks, Kenton
Cynthia Anne Carlson, Beavercreek
Yong Sok Choe, Mansfield
Jonathan Andrew Curry, Worthington
Laurie Anne Dashner, Columbus
Bert N. Doddroe, Mt. Sterling
Abdulcelil Germeyan, Gaziantep, Turkey
Paul Jonathan Gossard, Lima
Mehrdad Haddad, Tehran, Iran
Douglas Lionel Henderson, Columbus
Richard Wayne Jones, Opelika, AL
Earl Joseph Kehres, Troy
Oliver Peter King-Smith, Columbus
Irene Oi-Chun Ku, Hong Kong
Michael Joseph Masset, Cincinnati
Lisa Marie Mize, Columbus
Eric Christopher Peyko, Vienna
Robert Richard Piatt, Grandview Heights
Nick Joseph Scaglione, Canton
Tamara Kimiko Seno, Huber Heights
Carmen Michelle Taylor, Lincoln Heights
Colette G. Thomas, Columbus
Lisa Marie Zimmerman, Painesville

College of Social and Behavioral Sciences

Dean: Joan Huber

Bachelor of Arts

Robert John Alexander, Jr., Lighthouse Point, FL
Sarah Marie Andes, Westlake
Lisa Kay Andrews, Lancaster
John William Baglione, Columbus
John Clement Banche, Columbus
Steven Dawson Barker, Pickerington
Robert Alan Barnhard, Mentor
Jack L. Barnhart, Norwalk
Timothy Roy Bartlett, Jackson
Ivra Darnell Bass, Berea
Erick Louis Bauer, Canal Winchester
James F. Beitel, Geneva
Lisa Susan Bell, Westerville
Rhonda Daleen Richard, Coshocton
Nancy Ellen Bonnell-Kangas, Columbus
Dennis Christopher Brady, Wogglesland, AZ
Judy Kay Branson, Mansfield
Jami Dawn Bray, Garrettsville
Angela Dawn Buck, Columbus
Kirk Alan Busch, Lima
Rhonda Kay Butler, Salem, NH
Michael Edward Calcara, Columbus
Susan Marie Carey, Mason
Sherry Lynne Centers, New Lebanon
Michael Raymond Chase, Delaware
John Tyler Clayton, Cleveland

Lisa Coleman, Detroit, MI
Scott Frederick Collins, Maumee
Charles P. Conrad, Dublin
Julie Eden Corfman, Toledo
Tammy Jo Cornish, Jamestown
Robin Renee Craig, Red House, WV
Brian Evan Crystal, Cleveland
Carol Theresa Culley, Urbana
Cynthia Anne Curtis, Fairfield
Marvin Hanlon Dames, Nassau, Bahamas
Allen Scott Davis, Worthington
Melissa Louise Delk, Greenville
Brian Grant Delph, Marietta
Nancy Elizabeth Demaray, Columbus
Lisa Kay Desatnik, Cincinnati
Karen Dillon, Columbus
Mary Ellen Duross, Rochester, MI
Bryan Nolan Feldman, Columbus
Gregory John Fester, Westerville
Paul Joseph Fiocca, Silver Lake
Susan Kay Fisher, Columbus
Christine Rees Furr, Columbus
Carmen Rosa Garland, Akron
Margaret Ann Gedeon, Rocky River
Michael Keith Geiser, Columbus
Todd Andrew Gibson, Bay Village
Scott Sheffield Gowans, Granville
Carla Graziadei, Ashtabula
Elizabeth Krupp Griebling, Lexington
Lynn Marie Grosso, Ontario
Joseph Scott Guth, Cleveland
John Randall Haas, Portsmouth
Michael Haase, Moreland Hills
Holly Jane Harold, Portsmouth
Rebecca Marie Hassan, Warren
Mark D. Hatch, Kent
Michael John Hathaway, Chillicothe
Monica Elaine Hawkins, Columbus
Julia Ann Helpfrey, Utica
Tristen Dail Hennings, Findlay
James Andrew Holanda, Berea
Cassandra Lee Hood, Mansfield
Deborah Ann Housley, Chagrin Falls
Michael Jay Huffman, New Philadelphia
Gary Alan Hurt, Columbus
Mario Edwin Rudolf Jaspers-van Vliet, Columbus
Versia Lee Jett, Dayton
Cedric Lydell Johnson, Cleveland
Naomi R. Johnson, Columbus
Angela Kay Johnston, Westerville
Gregory C Jump, Columbus
Mark David Kaczmarek, Chicago, IL
Debra Ann Key, Dayton
Kris Ann Kingsley, Chesterland
Robert Richard Kirschbaum, Dublin
Kimberly Renee Krumanaker, Marion
Dianne Susan La Cerva, Girard
Matthew Allen Landon, Columbus
Leo Fredrick Lauterbach, Dayton
Jorgelle Renee Lawson, Oberlin
Doug Eric Lingrel, Cardington
Marci Joy Lipner, Pikesville, MD
Job Herbert Lippincott IV, Silver Lake
Bruce F. Loris, Mansfield
Lori Ann Lynn, Fairfield
Nicholas Robert Madigan, Troy
Tesfamichael Makonnen, Jimma, Ethiopia
Joseph Richard Matejkovic, Cincinnati

Mark Joseph Matsushima, Fairview Park
Joseph Otto Mattachione, North Canton
John David Matthews, Dayton
Ellen Teresa McCrery, Annandale, VA
Tanya Elaine McGinnis, Dayton
Donald Bradley McPherson, Columbus
Rhona Lisa Meyers, Cuyahoga
Charles Francis Mayo, Bay Village
Gregory Bruce Miller, Lima
Susan Catherine Minnich, Avon Lake
Lori Kathryn Morgan, Oberlin
David L. Moser, Lima
Kelly Ann Motil, Westerville
Mark Cassimer Moziejko, Steubenville
Amber Lee Nethers, Newark
Jeffrey Wayne Nowlin, Marion
Susan Elizabeth Offenberger, Columbus
Martha F. Palomar, Canton
Keith Basilio Papa, Brecksville
Michael Scott Pendleton, Middletown
Kathryn Diane Pennock, Frankfort
Judith Elizabeth Pinger, Cincinnati
J. Joseph Pospisil III, Glen Falls, NY
Monica Kaye Quinn, Columbus
James Edward Raterman, Circleville
James Robert Reske, Parma
Verna Kay Riffe, New Boston
Djuna Lynn Roberts, Springfield
Frank J. Ruggiero, Austintown
Stephen Robert Schweppe, Cincinnati
Charles Willis See, East Cleveland
Deborah Lynn SeEVERS, Lisbon
Martha Gerette Shannon, Columbus
Matthew G. Shannon, Columbus
Richard Lee Shell, Bryan
Peter Gerard Shields, Glasgow, Scotland
Timothy Heaton Silcott, Columbus
Joan Marie Srncac, Granville
Cassandra Lynn Stallworth, Cincinnati
Edward Charles Stelnicki, Toledo
James Andrew Stewart, Columbus
Kim Anne Stickle, Waterville
John Edward Stock, Pataskala
Amy Jean Stover, Galion
Laurie Denise Sutherland, East Palestine
Jane Dasher Thill, Bay Village
Michael Winston Thomas, Grove City
Karen Eileen Thompson, Portsmouth
David Scott Tivin, Cincinnati
James Peter Trakas, Independence
William Scott Trau, Beachwood
Andrew Powell Travis, Reynoldsburg
Leigh Ann Tumulty, Worthington
Charles Stuart Tyroler, Columbus
Dawn Evie Tyus, Cincinnati
William Edward Van Dorn, Jr., Saratoga Springs, NY
Pamela Marie Varendani, Yellow Springs
Esther Ann-Louise Verbosvzky, Rocky River
Jane Marie Wallace, Worthington
Alvin Kent Washington, Cleveland
Robin Hope Weinstein, Cincinnati
David James Wilber, Gahanna
Lisa Anne Wilson, Columbus
Penny Lee Yannekis, Trotwood
Carla Ann Zaffiro, Pepper Pike
Rebecca Ann Zahn, Virginia Beach, VA

Bachelor of Science

Stephen Bernard Bowman,
Upper Arlington
Laura Kay Bretz, Vandalia
Robert E. Breving, Jr., Cincinnati
J. Christopher Carson, Wooster
Troy Andrew Chase, Havelock, NC
Jacqueline Marie Foley, Convoy
Joan Marie Forthofer, Durham, NC
James Bryant Hittner, Columbus
Edward John Holleran,
Broadview Heights
Robert J. Luehrs, Rocky River
Rusty Lee Myers, Zanesville
Lisa Kaye Ramage, Chesterland
Jill Ellen Riley, Akron
Scott Norman Smith, Brooklyn
Johanna Kay Stevens, Binghamton, NY

School of Journalism

Bachelor of Arts in Journalism

Robin Sue Berry, Norwalk
Laura Lee Botula, Mt. Lebanon
Sheri Lynn Buckner, Columbus
Kathryn Kelley Bull, Solon
Lisa Helene Cohen, Beachwood
Andrew Joseph Conroy IV, Cincinnati
Julia Ann Conway, North Olmsted
Stacie Ann DeGennaro, Painesville
Carolyn Frances Doyle, Boardman
Terri Lynn Eakins, St. Clairsville
Stephanie Marie Ewert, Canfield
Darin T. Falleur, Fairborn
Lisa Jo Farrell, Worthington
Kurt L. Faymon, Cleveland
Kristen Leigh Flora, Columbus
Lotti Coreen Francis, Gahanna
Kenneth John Frazier, Columbus
Beth Ann Gabel, Fremont
Margaret Denise Hart, Dayton
Lorie Ann Hilty, Toledo
Larry Edward Hinkle, Jr., Columbus
Arlene Reitz Hobday, Cuyahoga Falls
Sally K. Hritz, Columbus
Kevin Shaw Kellems, Indianapolis, IN
Lynn Marie Kolbe, Columbus
Karen Lynn Kraus, Cincinnati
Matthew Brizman Marx, Bexley
Robin Lynn McAllister, Springfield
Craig James Mihaly, Russell
Andrew Isaac Newman, Shaker Heights
Debra Lee Pedersen, Upper Arlington
Timothy Tod Raymond, Johnstown
Andrea Razavi, Pepper Pike
Nancy Robertson Reid, Columbus
Maria Annette Reynolds, Akron
Cynthia Louise Reza, Findlay
Thomas John Rinderle, Euclid
Karen Marie Ring, Westerville
Andrea H. Rubin, Orange
EdMarlon Mendoza Salero, Warren
Michelle Ann Schwartz,
Mayfield Heights
Randall Eric Scoville, Canton

Mark Edward Shriver, Bellaire
Scott N. Skinner, Waterville
Carolyn Louise Smith, Greenville
Brent Lee Snow, Fayette
Howard Adolph Spies, Jr., Worthington
Richard Brown Steere, Jr., Ashland
Marc James Studley, Brecksville
Holly Marie Sulek, Cincinnati
David Smith Summers, Zanesville
Robert Cameron Taylor, Amherst
Rock Alan Van Wey, Newark
Beth Anne Voss, Cincinnati
Karen Lynn Wargo, Chardon
David Andrew Webster, Warren
Ann Wertheimer, Cincinnati
Therese Joan Wesner, Westerville
Cheryl Lynn Wilson, Worthington
Lisa Kaye Zellner, Hilliard

College of Agriculture

Dean: Frederick E. Hutchinson

Bachelor of Science in Agriculture

Scott M. Barrett, Belpre
Laura Louise Brinkman, Holgate
Flora Orcutt Clyde, Pioneer
Robert Warren Flood, Xenia
Christopher James Flynn, Middletown
Tracie Morin Fream, Middletown, NJ
Tamara Beryl Gall, Washington Court
House
Daniel Dean Morrison, New Concord
Thomas Owen Morrison, Brewster
Mark Alan Murphy, Greenville
John Joseph Nemecek, Columbus
Cynthia Lou Pirc, Rock Creek
Jeffrey David Ritzler, Nevada
Ryan Cabot Shaeffer, Lancaster
James R. Slyh, Columbus
Paul Douglas Smith, Mt. Arlington, NJ
Timothy John Suter, Perrysburg
Fernando Vargas, Bogotá, Colombia
Mark William Wargo, Chardon
Paul Robert Washburn, Loveland
Neil Douglas Wiedeman, New Bremen
Carl Francis Will, Fort Recovery

Bachelor of Science in Food Science

Monica Rose Long, Columbus
Denise Ellen Neu, Hamersville

Bachelor of Science in Food Technology

James Vincent Calhoun, Toledo
Diane Marie Goodlet, Seven Hills
Lisa Christine Johnson, Somerset

Bachelor of Science in Nutrition

Steven J. Massie, St. Paris

School of Natural Resources

Bachelor of Science in Natural Resources

Pamela Anne Doerner, Norwalk
Cynthia Jo Greenberg, Cleveland
Samuel W. Holley, Windsor
Rody Michael Prodonovich, Cortland
Caroline Wightman Wilkinson, Oxford

Agricultural Technical Institute - Wooster

Associate in Applied Science

Sandra Ann Fravel, Springfield
Claire Alison Klenotic, Youngstown
Andrew Jay Luft, Wooster
Joanne Lee Meszaros, Strongsville
Bruce Alan Myers, Kirtland
James Scott Newell, Carrollton
Michael Clancy O'Donnell, Willowick
Nancy Lynne Palm, Warren
James Joseph Pigat, Maple Heights
Cheryl Ann Radabaugh, Mansfield
Scott Allen Rush, Polk
Michael Steven Sedlak, Fairview Park
Brad Eugene Waltz, Bowling Green

College of Business

Dean: H. Justin Davidson

Bachelor of Science in Business Administration

Julie Kay Adams, Findlay
Susan Faye Armstrong, Chagrin Falls
Kathleen Ann Ashcraft, Cincinnati
Joel Robert Bagby, Warren
Jackie Lorraine Bailer, St. Paris
Lucinda Ann Ballenger, Columbus
Leon H. Barrick, Green Springs
David James Bartels, Solon
Dana Marie Bellomo, Parma
Barry P. Bennett, Lexington
Robert M. Berlin, Akron
Jennifer Lynn Black, Wintersville
Eric R. Blumenthal, Beachwood
Jeffery Bruce Boecker, Newark
Jeffrey Allen Boll, Rocky River
Amy Terese Bonfiglio, Sandusky
Brett George Bourquin, Berea
Scott James Boylan, Seven Hills
Jan Gunnar Braathen, Oslo, Norway
Kelly Anne Brandal, Columbus
William Raymond Braun, Wooster
Carmen Marie Brewster, Swanton
Jill Marie Bricker, Columbus, GA
Timothy Joseph Brogla, Lima
Brian Keith Brown, Columbus

Cynthia Louise Bryan, Reynoldsburg
 Timothy R. Burks, Youngstown
 Daniel Gerard Busken, Cincinnati
 Judy Ann Cannon, Berea
 Tracey Katherine Cannon, Columbus
 Jeffrey Michael Carducci, Poland
 Shirley Sau-Kuen Cheung, Columbus
 Cevin Brent Clark, Carroll
 Kimberly Clark, Andrews A.F.B., DC
 Maureen J. Cochrun, Cuyahoga Falls
 Amy Diane Coman, Gahanna
 Randolph R. Conone, Columbus
 William Allen Cooper, Columbus
 Kathleen Maher Coughlin, Cincinnati
 Ronald Jay Cox, Johnstown
 Helena B. Crevonis, Columbus
 David Michael Crowley, Bowling Green
 Julio Cesar Cruz, Jr., Lima, Peru
 Donald Jeffrey Cunningham, Columbus
 Christina Marie Curran, Reynoldsburg
 Albert C. D'Agostino, Fort Lauderdale, FL
 Kimberly Marie Dague, Norwalk
 Herbert J. Dales, Jr., Newark
 Michael Patrick Daugherty, Lakewood
 Barton W. Davis, Gallipolis
 W. Russell Denton, Columbus
 Lisa Jane DeRespiris, Mentor
 Lisa Noel Diefenthaler, Toledo
 Bertha Lucia Dodel, Pataskala
 Sharon Kay Dodge, Canton
 Rebecca Cai Doherty, Toledo
 David William Doran, Pacific
 Palisades, CA
 Ann Elizabeth Downey, Columbus
 Richard Edward Doyle, Medina
 Daniel James Dubnicka, Pepper Pike
 Nicholas Stephan Dubyk, Seven Hills
 Jeanine Lynn Duck, Copley
 Cheryl Lynn Duko, Canfield
 Amy Ginger Easterday, Williamsport
 Michael Lindsey Eichner, Kettering
 Kathryn Anita Eilert, Perrysburg
 Joseph V. Erwin, Columbus
 Kuniko Fairchild, Nagoya, Japan
 Dwayne L. Fields, Mansfield
 Jodie Lynn Fields, Columbus
 Joseph Merlin Fike, Sylvania
 Leslie Joan Finkhousen, Van Wert
 Robert Louis Flais, Alliance
 John Eric Flitcraft, Pickerington
 Dale Eric Frazier, Columbus
 Joel Christopher Gasior, Findlay
 Vicki Lynn Geiger, Middleburg Heights
 Christopher James Gerardi, Columbus
 Richard Alan Gerber, Sandusky
 Michael James Geregach, North Royalton
 Earl Leland Gingerich, Cleveland
 Margaret Lee Goulding, Mansfield
 Daniel Gozdifff, North Canton
 Allison L. Graf, Chattanooga, TN
 Kenneth David Graham, Mansfield
 Angela Lynn Greschner, St. Louis, MO
 John Anthony Guagenti, Elida
 Joel Guggenheimer, Dayton
 Joseph Vincent Guzzo, Columbus
 Patricia Lynn Haap, Vandalia
 Deborah E. Haigh, Kettering
 Joan M. Hamill, Kettering
 Terry Allen Hammett, Lexington
 Stephen Rexford Hardin, Sylvania
 Kathryn Ellen Harvey, Akron
 Denise Elaine Haugen, Dayton
 Tyrone Dean Hauritz, Canton
 Diane Elizabeth Hedges, Westerville
 Robert William Heise, Cincinnati
 William F. Helfer, Newark
 William Todd Henehan, Kettering
 Brian Jay Henry, Columbus
 Dennis Ray Hicks, Grove City
 Larry Duane Hilsmier, Jr., Urbana
 Paul A. Hoffman, Beachwood
 Richard Lee Hom, Austintown
 Russell Robert Hoser, Stewartsville, NJ
 David Douglas Hritsko, Lorain
 Thomas Gordon Innes, Vermilion
 Christine Renee Jameson, Columbus
 Bret Edward Jimison, Shelby
 Lawrence Phillip Johnson, Cuyahoga Falls
 Regina Marie Johnnton, Girard
 Kimberley Paige Jones, Chagrin Falls
 William Paul Jones, Dayton
 Dennis Michael Kane, Ashtabula
 Jeffrey William Kaser, Columbus
 David Gerard Kastner, Shelton, CT
 Jordan Soloway Katz, Beachwood
 Scott Alan Kaufman, Ottoville
 Robert E. Kellar, Jr., Westerville
 Nancy Ellen Kemery, Bucyrus
 Anne Marie Kennedy, Bexley
 Charles Ronald Kieninger, Jr., Xenia
 Andrea Rae Kiesling, Gallipolis
 James Alan King, Harrod
 Adam Michael Kirk, Akron
 Luella Kirk, Columbus
 Jeffrey M. Kisel, Highland Heights
 Melanie Diane Klingel, Waldo
 Thomas Joseph Klug, Cincinnati
 Eric Jonathan Knodel, Cincinnati
 Anthony W. Kohl, Columbus
 Bradley Tod Kowitz, Mayfield Heights
 Christine Renee Kramer, Centerville
 Mark J. Labardee, Toledo
 Kathryn Alice Lane, Newark
 Michele Lee Lange, Berea
 Thomas Dean Lather, Westerville
 Amy Yi-Chih Lee, Cincinnati
 Steven Howard Lencke, Columbus
 Sing Loong Leong, Ipoh, Perak, West
 Malaysia
 Jill Marie Lionetti, Akron
 Richard Edward Lishewski, Toledo
 Bradford Raymond Little, Cincinnati
 Susan F. Love, Pittsburgh, PA
 Kevin D. Lurie, Beachwood
 Julie Elaine Lusa, Centerville
 Reynaldo Jeffrey Lyles, St. Paul, MN
 Randolph Scott Lyon, West Chester
 Rebecca Ann Malueg, Wapakoneta
 Melissa Lee Mamula, Fremont
 Landria Kim Mangrum, Cleveland
 Matthew Joseph Mara, Columbus
 Todd Alan Marsh, Mentor
 Stephen Earl Martin, Lakewood
 James Anthony Marusin, Lorain
 Lisa Lynn McBride, Worthington
 Peter H. McCreary, Kettering
 Todd Jeffery McDonald, Defiance
 Monte N. Mees, Defiance
 Edward Joseph Metzger, Delphos
 Theresa Lillian Meyer, Westerville
 Michael Paul Michalak, Columbus
 John Christopher Miller, Westerville
 Patricia Louise Mills, Chippewa Lake
 Thomas C. Mills, Cincinnati
 Paul Vincent Minor, Columbus
 Mark David Miralta, Chagrin Falls
 Mark Douglas Mohre, Edon
 Bailey Kevin Moore, Peninsula
 Dianna R. Moore, Massillon
 Kevin P. Morrow, Brooklynn, NY
 Carol J. Motta, Cincinnati
 Douglas Tyrone Moss, Dayton
 Robin Marie Mroczkowski, Monclova
 Matthew Alan Nan, Germantown
 Lisa A. Napoli, Brookfield
 Marie Ann Nemes, Lima
 Teak Siang Ng, J. B., Johor, Malaysia
 Patrick Steven Oakley, Marysville
 Brian Cajetan O'Brien, Columbus
 Patrick Kevin O'Daniel, Columbus
 Mark W. O'Dell, Worthington
 Gené Moneque Olverson, Pittsburgh, PA
 Tawana Michelle Owens, Akron
 Elizabeth Martinez Pacheco, San Juan, PR
 Robert Francis Padilla, Jr., Pontiac, MI
 William Anthony Peoples, Columbus
 Amy Elizabeth Ferrine, Columbus
 Lynn Electa Petre, Toledo
 Thomas Sansone Pisciotto, Palos
 Heights, IL
 Nancy Jo Fishner, Zanesville
 Thomas P. Pishotti, Cortland
 Christina Jane Price, Newark
 Damian Puchala, North Canton
 Mary Ann Radisek, Euclid
 Hilary Randolph, Columbus
 James Alan Ray, Sugarcreek
 Laura Allison Ray, Columbus
 John Matthew Rhenish, Columbus
 Robert Mayor Richardson, Paoli, PA
 Robert Craig Rissmeyer, Columbus
 Jeffrey Michael Roberts, Mansfield
 Paul Andrew Rockwell, Columbus
 Carl Vincent Rohr, Columbus
 Sheryl Ann Ross, Shelby
 Terry Lee Ross, Marion
 Jennifer Lynn Rotert, Grove City
 André Louis Runion, Marysville
 Teresa Lee Russell, Bucyrus
 Susan E. Saull, Woodstown, NJ
 Jeffrey Paul Saunders, Piqua
 Dennis Doyme Schaal, Circleville
 Troy Joseph Scharlow, Wooster
 Jayme Ann Schlund, Solon
 David Gerard Schmitt, Cincinnati
 Robin L. Schonewetter, Columbus
 Paul Martin Schwarz, Havelock, NC
 Scott Paul Semezar, Fredericktown
 Francisco Jose Serrano, Quito, Ecuador
 Nilesh Y. Shah, Cincinnati
 David Michel Sheppard, Delaware
 Yeow Kian Siang, Melaka, Malaysia
 Harry M. Simmons, Marion
 Jeffrey Jay Smith, Columbus
 Tracy Deborah Smith, Murrysville, PA
 David John Solon, Unionville, PA

Robert M. Sowa, Strongsville
 Ben Michael Speciale, Spring City, TN
 Joan Marie Stammen, North Star
 Susan Alice Starkey, Columbus
 Angela Stephens, Shaker Heights
 Gerald Dwayne Stethem, Canton
 Barbara Ann Stone, Columbus
 Richard Douglas Swanson, Worthington
 Aaron Lynn Swinger, Columbus
 David Kevin Sypolt, Louisville
 Kenneth John Syska, Columbus
 Joseph Eugene Szczepanski, Worthington
 Claudia René Tambur, Toledo
 Trisha Leigh Taylor, Upper Arlington
 Richard James Theiler, Ottawa Hills
 James Maurice Thorson, Dayton
 Steven Leonard Timmel, Cincinnati
 David Hal Tippett, Medina
 John J. Tracy, Livingston, NJ
 Chris Alan Underwood, Mt. Gilead
 Laura Marie Untener, Columbus
 Trina M. Uotila-Ross, Upper Arlington
 Jenean Louise VanBrene, Columbus
 Brent Vanke, Cleveland
 LouAnn Vasbinder, Fredericktown
 Vicki Lou Wheatley, Lindsey
 Traci Ann White, Columbus
 Jonathan Charles Whybrew, Columbus
 James Patrick Wiggins, Greensburg
 Michelle Renee Williams, Botkins
 Richard Scott Wohlgamuth, New Albany
 Randall Perry Wolf, Cincinnati
 Pamela J. Wysocki, Strongsville
 Pau Fong Yoo, Johor Bahur, Johor,
 Malaysia
 Ginger Vass Yost, Columbus
 Leslie Jeanne Young, Upper Arlington
 Michael Jerome Zahler, Columbus
 Wendy Alice Zaletel, Chesterland
 Linda Ziskin, Dayton
 Donald Lee Zurcher, Columbus

Bachelor of Science in Labor and Human Resources

Tyrus W. Adkins, Proctorville

College of Dentistry

Dean: William R. Wallace

Bachelor of Science in Dental Hygiene

Denise Marie Bolek, Canton

College of Education

Dean: Donald P. Anderson

Bachelor of Science in Education

Marikae Akers, South Charleston
 Jane Andrea Altman, Canton
 Pamela Jean Baker, North Royalton
 Jeffrey Scott Barnes, Warren
 Judith Ann Baumer, Anna
 Tammie Jo Beers, Wapakoneta
 Angela Kaye Binger, Arcadia
 John Daniel Bingham, Broadview Heights
 Amy Lynn Bowen, Warren
 Debra Jean Boyer, Columbus
 Rhonda Kay Buckler, McDermott
 Kay Michelle Bush, Mansfield
 Theodore Harvey Bush, Columbus
 Patricia Elaine Bussard, Columbus
 Drew Marshall Cady, Lima
 Judy Lynne Chapmon, Columbus
 Paul Taft Cunningham, Columbus
 Benita Marie Cutarelli, Marion
 Kauwa K. Dan'ya, Bauchi, Nigeria
 Rozalind Gail Decker, Mansfield
 Richard R. Douglass, Worthington
 DeAnna Mae England, Reynoldsburg
 Veronica DeVanda Ervin, Columbus
 Dale Fredrick Evans, West Jefferson
 Charles Brian Foote, Mansfield
 Sara Louise Foster, Ashland
 Scott Allen Foster, Bridgeport
 Lori Lynn Fultz, Sidney
 John F. Gibson, Hamilton
 Kirsten Lee Goodwin, Westerville
 Julie Marie Green, Urbana
 Karen Kay Grothuse, Delphos
 Pamela Jean Grove, Columbus
 Rebecca Lynn Hall, Kettering
 Kathleen Elizabeth Havens, Columbus
 John Britton Hopper, Columbus
 Debra Gail Hosler, Orient
 Anna Denise Ingram, San Antonio, TX
 Peggy Lee Jack, Findlay
 Barbara Lee Jones, Richwood
 Paula Lee Kacere, Columbus
 Jane Ann Kantner, Columbus
 Joan Price Keir, Westerville
 Stefanie Sybil Klar, Beachwood
 Tammy D. Klocinski, Columbus
 Julie Ann Kluchar, Chagrin Falls
 Pamela Kaye Knight, Norton
 Julie Annette Knotts, Columbus
 Christopher John Kramer, Worthington
 Lori Beth Kraus, Willowick
 Carla Jean Kuhlman, Ottawa
 Karl Dean Lammers, Ottawa
 Kellie Elizabeth Lavelle, Dublin
 Linda Kay Lentz, Sunbury
 Sandra Jo Lieb, Columbus
 Gary Eugene Martin, Prospect
 Maureen Lynn Mausser, Chesterland
 Stephen West McCollum, Westerville
 Michael Christopher Melink, Loveland
 Paul David Meyer, Oak Harbor
 Diana Lynn Morgan, Quaker City
 Judith Marie Moro, Columbus
 Lorraine Marie Mulholland,
 Morrisville, PA
 Tena Elizabeth Noggle, Galion
 Ervin Jay Pavlofsky, Dayton
 Janice Pirro, Gahanna

Pamela Wilkison Radcliff, Columbus
 Carol Ann Rea, Mt. Vernon
 Scott Reisberg, Akron
 Karen Louise Rissmeyer, Columbus
 Mary Heckathorn Rossel, Upper
 Sandusky
 Kathryn Cayle Roth, Columbus
 Tamara J. Roush, Urbana
 Theresa Aileen Salem, Cincinnati
 Joyce Christina Schomaker, Cincinnati
 Sydney Sue Schwartz, Columbus
 Kathy Lynne Shaner, Columbus
 Elizabeth Ann Sheridan, Grove City
 Kathy Sue Shultz, Columbus
 Sherrill Edward Silvers, Anna
 Schuyler Bruce Smith, Mansfield
 Lori Ann Sotos, Columbus
 Roger Lee Spry, Columbus
 David R. Stevens, Williamsport
 Donald Calvin Strine, Shelby
 Jodi Lynne Strine, Shelby
 Christine Marie Strok, Columbus
 David James Swallie, Columbus
 Jeffrey Edward Teets, Columbus
 James M. Vulgamore, Columbus
 Sharon S. Wallace, Mansfield
 Lavona Lynn Weaver, Columbus
 Keith Andre Wesson, Columbus
 Vaden Henry West, Columbus
 Wanda Faye Williams, Columbus
 Kip Marshall Witchey, Worthington

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 the College of the Arts.

College of Engineering

Dean: Donald D. Glower

Bachelor of Science in Aeronautical and Astronautical Engineering

Jeffry K. Ritschel, Brooklyn

Bachelor of Science in Aviation

Barry Michael Crawford, Eldsworth
 Marcus Keith Tibbs, West Elkton
 Scott Michael van Ooyen, Shelby
 Joseph Scott Walters, Greenhills

Bachelor of Science in Ceramic Engineering

Eun Sung Park, Seoul, Korea

Bachelor of Science in Chemical Engineering

Denise Marie Davis, Columbus
Paul Joseph Erdy, Amherst
Kimberly Ann Franklin, Cincinnati
Susan Louise Lehman, Upper Sandusky
David Anthony Militello, Kettering
Anne Marie Takacs, Cuyahoga Falls
Robert Lawrence Tattersson, Galena
Jaime Arthur Velez, Bayamon, PR

Civil Engineer

Jesus Salvador Gonzalez Diaz, Valencia, Venezuela

Bachelor of Science in Civil Engineering

Mansor Abdul Shukor, Batu Pahat, Malaysia
Jeffrey Philip Anton, Broadview Heights
Wendy Sue Hutchinson, Kettering

Bachelor of Science in Computer and Information Science

Brian Gerard Alge, Norwalk
Curtis Oscar Brooks, Jr., Columbus
Chee Peng Chen, Petaling Jaya, Malaysia
Jack Lee Cox, Cincinnati
Bassem Fouad El-Zahabi, Tripoli, Lebanon
Wael Ramez Farhat, Niha El-Chouf, Lebanon
John Peter Fountas, Westwood, MA
Ty Arthur Jacobs, Fairfield
Tracy Lynne Runyon, Columbus
Susanne Marie Sharick, Champion
Maria Cecilia Tong-Chang, Lima, Peru
Sharon S. Yen, Fort Lee, NJ

Electrical Engineer

Darrell G. Cipriany, Westerville

Bachelor of Science in Electrical Engineering

Michael Alan Bridge, Columbus
Prakoon Chen, Bangkok, Thailand
Dirar Fayeza Daaboul, Damascus, Syria
Ronald Louis Dilsavor, Hilliard
Thomas Reginald Doster, Charlotte, NC
Ibrahim Suleiman El-mosleh
Ronald Andrew Hackett, Walkersville, MD
David John Hermann, Fairborn
Michael Aaron Jaffe, Beachwood
David Henry Lohrey, Cleveland
Christopher Louis Mills, Olmsted Falls
Peter Munk, Columbus
Gregory Andrew Ricketts, Columbus

Darius Simon, Jakarta, Indonesia
John Christopher Sparhawk, Crownsville, MD
Michael Edward Stanitz, Cleveland
Toh Joo Jeffrey Tan, Singapore

Bachelor of Science in Engineering Physics

Ka W. Chung, England
Mark A. Selover, Shaker Heights

Bachelor of Science in Industrial and Systems Engineering

John Peter Bendekovic, Columbus
Rami Hani Ghandour, Beirut, Lebanon
Carolyn Elizabeth Hitchcock, Grove City
Nicolas Tumbelaka, Semarang, Indonesia
Randall Trent Winter, Upper Sandusky
David Fisher Ziels, Lancaster

Bachelor of Science in Mechanical Engineering

Brij Kumar Agarwal, New Philadelphia
Brian Jeffrey Atwater, Crete, IL
Daniel Glenn Berry, Cincinnati
Patrick Robert Davis, Stow
Carlo R. De La Mata, Talara, Peru
David Robert Gibson, Wintersville
Anders Peter Gisslen, Cincinnati
Cindy Sue Kaplan, Mayfield Heights
Sunitha Reddy Reddy, Pine Bluff, AR
John Robert Sech, Parma
Maureen Lynn Shanahan, Huber Heights
Michael F. Sicker, Canton
David Wayne Steward, Seven Mile
Steven Brent Swartzmiller, Attica
Tyler L. Terrell, Washington Court House
Raymond William Treudler, Seven Hills
Jennifer Ellen Trost, Columbus

Bachelor of Science in Metallurgical Engineering

Dana Marie Gard, Fairfield
Thomas George Kiss, Chesterland
David William Mayer, Dayton
Yolanda Ward, Columbus

Bachelor of Science in Surveying

Jeffrey L. Bateman, Moorestown, NJ

Bachelor of Science in Welding Engineering

Bruce Robert Hodges, Columbus

School of Architecture

Bachelor of Science in Architecture

Dana Mohamad Abdou, Beirut, Lebanon
J. Michael Asebrook, Columbus
Bassem Bitar, Damascus, Syria
Jay Walker Boone, Beavercreek
Craig Kennard Breedlove, Jeffersonville
David Wayne Bullock, Sylvania
Christopher Patrick Collins, Columbus
Nancy Jim Effimoff, Reynoldsburg
Philip Edwin Herren, Xenia
Tara Lynne Mathena, Columbus
Thomas Russell McVey, Upper Arlington
John Michael Meyer, Steubenville
Jacqueline Diane Mogg, Swanton
Joseph Vincent Pax, Vandalia
Michael David Peterson, Akron
Steven Cary Rabin, Chicago, IL
Michael Allen Rose, Seven Hills
Normah Binti Saruji, Kuala Lumpur, Malaysia
Scott Thomas Wahtola, Worthington

Bachelor of Science in Landscape Architecture

John C. McFarland, Jr., Chagrin Falls

College of Home Economics

Dean: Lena Bailey

Bachelor of Science in Home Economics

Jane Ellen Brisk, Columbus
Julie Ann Burch, Mayfield Village
Linda T. Colelli, Fairmont, WV
Michelle Ann Cooper, Kettering
Elif Sara Erkmen, Springfield
Jenefer Louise Gee, Dublin
Bonnie Ruth Gertz, Columbus
Alison Ann Hall, Wheeling, WV
Amalia Maria Harris, Columbus
Ann Therese Herberger, Wellington
Mary Jo Hough, Delaware
Jane Griffith Huber, Columbus
Jeffrey Allen Katz, Mayfield Heights
Theresa Ann Kubal, Medina
Gina Marie Kuper, Middletown
Susan Elizabeth Laux, Columbus
Kathi Lynn Mandel, Toledo
Jennifer L. Marshall, Columbus
Ellen Katherine Martin, Worthington
Michelle McCaw, Chillicothe
Tracey Jo McDowell, Dayton
Molly Ann McKeown, Worthington
Melinda Carol Meisse, Mansfield
Paula Jean Muza, Struthers
Marlene Ann O'Brien, Oregon City, OR
Kristin Ann Peters, Valley City
Martha Lynn Reilly, Akron

Denise Kaye Robinson, Norwalk
Karla Anne Rupp, Mansfield
Kathryn Ann Schultz, Corfu, NY
Paula Marie Thomas, Plain City
Elizabeth Ann Visniski, Thousand
Oaks, CA
Bonnie Wagoner vonClausburg,
Columbus

Suzanne Marie Walker, Springfield
Caryn Lynn Weiss, Columbus
Julie Ann Weiss, Elyria
Susan Elizabeth Weldon, Columbus
Kathy J. Wilhelm, Portsmouth
Deborah Sue Wolfson, Mayfield Heights
Susan Eileen Wright, Columbus

Bachelor of Science in Hospitality Management

Elizabeth Andreou, Columbus
Kimberley Ann Bourdow, Columbus
Richard Thomas Cartmel, Akron
Mark George Hontas, Mentor
Keith Edward Kucler, Berea
Maryjane Shields, Columbus
Ronald Joseph Stenger, Mayfield Heights
Timothy Howard Wolfe, Beaver creek

Bachelor of Science in Nutrition

Jennifer Leslie Ray, Athens

College of Medicine

Dean: Manuel Tzournis

Doctor of Medicine

David Lawrence Condon, Columbus
B.S.

Karyn Rae Doddy, Cincinnati
B.A. (Johns Hopkins University)

Martha Himes Hagaman, Columbus
B.S.All'd.Hlth.Prof.

Michael Raymond Humphrey,
St. Clairsville
B.S. (Ohio Northern University)

Jon Theodore Preston, Greenfield
B.S. (University of Cincinnati)

Jack Soong, North Royalton
B.S.

Francesca D. Spencer, Detroit, MI
B.A. (Towson State University);
M.A.

School of Allied Medical Professions

Bachelor of Science in Allied Health Professions

Cathleen A. Barnes, Santa Barbara, CA
Lisa Ann Camarata, Mayfield Heights
David Allen Hermes, Port Clinton
Cheryl Ann Hicks, New Philadelphia
Karen Sparling Lewis, Athens
Geraldine Ruth Morris, Detroit, MI
Karen Marie Perko, Richfield
Mark Edward Ramsey, St. Clairsville
Lisa Massarelli Redden, Hamilton
Saddy Elaine Rivera, Ponce, PR
Michael Lee Stead, Dresden

Certificate of Nurse Anesthetist

Ann Ellen Fedasz, Sherrodsville
B.S. (Walsh College)

Chris Steuerwald, Columbus
B.S. (Virginia Commonwealth University)

Jon Martin Veith, Columbus
B.S.Nurs.

College of Nursing

Dean: Carole A. Anderson

Bachelor of Science in Nursing

Noreen Kay Burris, Cambridge
Susan Margaret Capuano, Columbus
Theresa Leigh Casey, Columbus
Carolann Cross, Chagrin Falls
Margaret Doris Dee, Lima
Shellene Rene Garner, Findlay
John Thomas Hoyer, Worthington
Janice Carol Iven, Elida
Elizabeth Ann Kinder, Cincinnati
Lisa Michelle McCorkle, Columbus
Susan Elizabeth Otto, Lima
Jeannette Cohn Petten, Columbus
Renee Philpot, Cleveland
Paula Marie Ptacek, Sagamore Hills
Beverly Ann Reynolds, Wooster
Adriane Isabel Rodriguez, Cincinnati
Erin Leigh Toepfer, Centerville

College of Pharmacy

Dean: Albert H. Soloway

Doctor of Pharmacy

Debra K. Gardner, Worthington
Paul James Harton, Jr., Washington, PA
Julie Lynn Ponting, Lodi

Bachelor of Science in Pharmacy

Craig Stephen Adie, Mentor
Jerry Curtis Bailey, Lawrenceville, GA
Bridget Ciamacco, Columbus
Joanne Louise Cook, Findlay
Diane Therese DePauw, North Olmsted
Antoinette Nadine Dobbins, Celina
John V. Farren, Brookville
Kenneth Steven Field, Dublin
Denise Hitomi Howell, Columbus
Kathleen Rose Krupansky, Cleveland
Scott Andrew Lust, Wellington
Laura Anne Matchett, Akron
Jennifer Kaye Morgan, Louisville
Stephen Kam Shun Ng, Hong Kong
Sik-On Raymond Or, Hong Kong
Laurence Andrew Peji, Conneaut
James Robert Reynolds, Orville
Hugues Victor Saint-Amand, Wooster
Richard Michael Sanislow, Oberlin
Carolyn Marie Saunders, Brecksville
Mark Jeffrey Schirtzinger, Columbus
Sarah Lynn Smith, Somerset
Beryl Loraine Stoner, West Unity
Steven Dwayne Strausbaugh, Chillicothe
Dorie Ann Tablack, Campbell
Ronald Francis Tkach, Strabane, PA
Stephen Spencer Tonnison, Marion
Victoria Ann Vince, Yorkville
Deborah Denise Warfield, Springfield
Victor Lee Wolfe, Warren

College of Social Work

Dean: Richard E. Boettcher

Bachelor of Science in Social Work

Karen Marie Callahan, Pickerington
Erin Patrice West, Cleveland

Graduates with Honors

Criteria for graduating 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.

Summa Cum Laude designates those graduating in the top 3% of the class.

With Distinction in Mechanical Engineering

David Wayne Steward

With Honors in the Liberal Arts

Oliver Peter King-Smith
Kishor Kumar Patel
James Andrew Stewart

With Honors in the Liberal Arts and with Distinction in English

Karl James Gieseke

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

Michael Raymond Chase

Cum Laude

Paula Ann Azar
Jeri Lynn Barnitz
John Peter Bendekovic
Angela Kaye Binger
Jeffery Bruce Boecker
Amy Terese Bonfiglio
Scott James Boylan
Yong Sok Choe
Jack Lee Cox
Denise Marie Davis
W. Russell Denton
Nancy Jim Eftimoff
Dwayne L. Fields
Sandra Ann Fravel
Paul Jonathan Gossard
Elizabeth Krupp Griebbling
Joel Guggenheimer
Ronald Andrew Hackett
Rebecca Lynn Hall
Kathryn Ellen Harvey
Heidi Lynn Hellstrom
Wendy Sue Hutchinson
Dennis Michael Kane
Jane Ann Kantner
Tammy D. Klocinski
Thomas Joseph Klug
Kimberly Renee Krumanaker
Irene Oi-Chun Ku
Carla Jean Kuhlman
Steven Howard Lencke
Linda Kay Lentz
Marci Joy Lipner
Norman W. Litts, Jr.
Mark Joseph Matsushima
Diana Lynn Morgan
John Joseph Nemcek
Sik-On Raymond Or
Debra Lee Pedersen
Paula Marie Ptacek
Thomas John Rinderle

Brian Thomas Sating
Ryan Cabot Shaeffer
Darius Simon
Joan Marie Stammen
Vivian Celeste Terhune
Julie Ann Weiss
Ginger Vass Yost
Elizabeth Ann Zimmerman

Cum Laude with Distinction in Communication

James Robert Reske

Cum Laude with Distinction in Dairy Science

Carl Francis Will

Cum Laude with Distinction in English

Katherine Johnson Dyer

Cum Laude with Distinction in Mechanical Engineering

Steven Brent Swartzmiller

Cum Laude with Distinction in Zoology

Roberta Adams Smith

Cum Laude with Honors in the Liberal Arts

Eric Bogardus Stuart

Summa Cum Laude

Nancy Ellen Bonnell-Kangas
Jami Dawn Bray
Prakoon Chen
Randolph R. Conone
Helena B. Crevonis
Christina Marie Curran
Ann Marie Diederich
Christine Renee Jameson
William Charles Mulligan
Peter Munk
William Anthony Peoples
Christina Jane Price
Pamela Wilkison Radcliff
Laura Allison Ray
Kathryn Gayle Roth
Johanna Kay Stevens

Summa Cum Laude with Distinction in Family Relations and Human Development

Bonnie Wagoner vonClausburg

Summa Cum Laude with Honors in the Liberal Arts

Deborah Lynn McCormick

Summa Cum Laude with Honors in the Liberal Arts and with Distinction in History

Keith Allen Zahniser

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THE OHIO STATE UNIVERSITY
OFFICIAL PROCEEDINGS OF THE
ONE THOUSAND TWO HUNDRED AND THIRTY-THIRD MEETING
OF THE BOARD OF TRUSTEES

Columbus, Ohio, September 3 and 4, 1987

The Board of Trustees met at its regular monthly meeting on Thursday, September 3, and Friday, September 4, 1987, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, pursuant to adjournment.

* * *
Minutes of the last meeting were approved.
* * *

September 3 and 4, 1987 meeting, Board of Trustees

The Vice Chairman, Mr. Immke, called the meeting of the Board of Trustees to order on September 3, 1987, at 6:30 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: Leonard J. Immke, Vice Chairman, John W. Berry, Shirley D. Bowser, Hamilton J. Teaford, John J. Barone, Deborah E. Casto, John W. Kessler, and Milton A. Wolf.

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Mr. Immke reconvened the meeting on September 4, 1987, at 9:35 a.m.

Present: Leonard J. Immke, Vice Chairman, John W. Berry, Shirley D. Bowser, Hamilton J. Teaford, John J. Barone, Deborah E. Casto, John W. Kessler, and Milton A. Wolf.

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Mr. Immke:

We will go immediately to Mr. Frey, Vice President and General Manager of WTVN Radio, Perry --

Mr. Perry Frey:

My name is Perry Frey, and as Mr. Immke said, I am Vice President and General Manager of WTVN Radio. I have been with Taft in Columbus for fourteen years and eight of those years with WTVN. Dr. Jennings, I would like to thank you for permitting us to come before the Board today; Madison Scott, I would like to thank you for helping us arrange this.

With me today is Carl Wagner. Carl is President of Taft Radio and Cable Group; Carl is from our corporate offices in Cincinnati. Also present is John Potter -- John is our Sales Manager at WTVN Radio, he is our past Program Director and he has been Director and Producer of Ohio State football and basketball for fourteen years. Today we are also represented by counsel, Dave Johnson. Dave is with the law firm of Taft, Stettinius & Hollister.

I trust you have all received the documents we prepared for you. Enclosed in your packages is my letter to each of you outlining the points we want to make today, along with copies of the two competing bid packages, also, our letter to President Jennings dated May 8, 1987, which outlines errors in the implementation of the bid process, and a letter dated July 21, 1987, from Gordon Young, former Executive Vice President of Proctor and Gamble, now an independent media consultant and advertising expert.

That brings us to why we're here today. Nine months ago we were excited to learn that the University was going to award radio broadcast rights to Buckeye football and basketball games for the next five seasons on the basis of competitive bidding. That meant to us the highest and best bidder would be awarded the rights. We at WTVN Radio worked diligently to prepare the best bid package we could. A package which addressed all ten

September 3 and 4, 1987 meeting, Board of Trustees

Mr. Frey (contd):

selection criteria, as set forth in the University's bid specifications. A package which was financially attractive to the University, a package which responded directly to all the written detailed bid specifications, a package which responded directly to the instructions that we received at a pre-bid meeting called by the University, and a package that was supported by facts, including an independent market study which clearly established our superior position in this market.

As it turned out, we submitted the only bid that met the bid specifications addressing the University's intent to establish its own network. And, we were the only vendor that submitted alternate proposals as requested on page 1 of the Radio Broadcast Proposal Specifications. As it turned out, we submitted the highest bid -- that is, the bid promising the most total compensation to the University, the most important of the ten selection criteria specifications. And here is where it gets interesting. John, will you show the exhibit.

I was told by Rick Bay, our bid was higher. I will show you an exhibit that clearly demonstrates that someone in this University or its Athletic Department grossly distorted the compensation portion of our bid and presented what you see on top of this exhibit to the Evaluation Committee. Just ignore the bottom for a moment, please. Somehow what got before the Evaluation Committee was that WTVN's bid was \$341,000, WBNS's was \$951,000. I don't know how that happened. The actual compensation is what you see on the bottom. Can everyone see that? Our figure of \$1.8 million is a very conservative figure. We have deducted \$250,000 from that figure for satellite fees. WBNS's is \$1.1 million, an 86% difference. Our \$1.8 million is a very conservative figure. There is cash of \$976,000 in that, there are affiliate fees of \$287,000 in that, and that is also included in WBNS's, there is in-kind compensation of \$887,000 -- that would really total \$2,150,000. We deducted the \$250,000 in satellite fees and rounded it down to have a very conservative figure -- it came in at \$1,863,100.

As you can see from the bottom of the exhibit the real value comparison on the two bids is quite different, but the Evaluation Committee did not see that. That is quite a difference. Why would the University ever walk away from this. I can't understand -- but let me go on, it gets more interesting.

For the second highest rated evaluation criteria we submitted the only bid that included plans to promote the University as an institution in all its academic and sports programs and not merely our own broadcasts. I won't take time to mention every one of them, but every one of WTVN's promises in this section promoted the University. Our competitor's bid offers not a single plan to promote the University, not one. It merely speaks of stadium novelty items and advertising and promotional materials aimed at promoting its own broadcasts, not this institution. Yet, the Evaluation Committee members rated our bids equal in this area. That is unbelievable nonsense, but let's go on.

September 3 and 4, 1987 meeting, Board of Trustees

Mr. Frey (contd):

We submitted the only bid that provides the University dynamic reach, not just football Saturdays, but all week. We have another exhibit. During the week we have an audience of 266,000 people, compared to WBNS's 79,000. If you were to leave here and go triple the size of your stadium, we fill that every day of the week, Monday through Friday; WBNS can hardly fill it one time. And, of course, this translates into advertising dollars. When the University, or we, sell time -- but make it specific to the University, when the University sells network sponsors advertising time, the University will generate higher revenues with WTVN as its flagship station. This is what takes place every day on the streets of Columbus. We have an average rate of \$90.00, against an average rate of \$25.00. Furthermore, we submitted the only bid that offered this University close association with a dominant station in this market and a sports network of unbeatable reach that included WKRC in Cincinnati, a dominant-rated station, the second largest radio market in this State and advertisers pay for that.

In conclusion, we submitted the highest and best bid and we lost. That's why we are here, to tell you about it and to see if it doesn't trouble someone other than us. That the University set ground rules for competitive bidding, rules designed to maximize revenues and opportunities for the University, then, unfairly and without notice, with a hidden agenda at which we can only guess, the University or its Athletic Department decided to change, ignore, or work around their own rules in order to select the losing bidder -- WBNS. This decision utterly fails to maximize revenues and opportunities for the University. It makes no economic or marketing sense whatsoever.

What should this Board do? This Board should do what's right, and that is, require that the University honor its own competitive bidding process and award the contract rights to the highest and best bidder -- that is clearly WTVN Radio. This will insure that a valuable public asset, the broadcast rights to the University's two major sports programs, is sold and marketed prudently and properly in a business-like fashion, in a way that most benefits the University today and for years to come.

You may be sitting there imagining the practical, and perhaps the political problems of taking this action. Therefore, you might want to consider for the upcoming season only, that WTVN be permitted to carry the football and basketball games along with WBNS. To insure that no loss of revenue occurs to the University, WTVN will pay its fair share of compensation to the University for these nonexclusive rights. Following this football and basketball season there are many solutions to this problem, and we will be happy to work with you on them. You are our last resort in the University. We admit that what we are asking you might be a hard thing for you to do, but as Trustees of this University, it is the right thing to do.

Again, I want to thank you, on behalf of all of us, for your time and cooperation in coming before this meeting. If anyone has questions, I'd be glad to try and answer them.

September 3 and 4, 1987 meeting, Board of Trustees

Mr. Immke:

Anyone have any questions? Thank you, Mr. Frey.

Mr. Frey:

Thank you, Mr. Immke, thank you, President Jennings.

Mr. Immke:

Call on Dr. Jennings --

President Jennings:

Thank you, Mr. Chairman. Thank you, Perry. As you know, the concerns that you have expressed today were brought to our attention by you and your counsel last May. And due to the nature of those allegations that were made, the University retained the services of Mr. Roderick Daane of Ann Arbor, Michigan, as an independent consultant to thoroughly investigate the process by which radio broadcasting rights to The Ohio State University football and basketball games were awarded.

After reviewing the documents, discussing the matter with members of the Selection Committee, Mr. Daane concluded that the process for the award of radio broadcasting rights was appropriate. The decision was made in a careful and deliberate manner. And I should also point out that the University established a competitive process for the purpose of achieving a fair decision, despite the fact that we were not required by law to bid this contract. Mr. Chairman, in my view, there is no reason to revise this decision or to further consider any other proposals.

Mr. Immke:

Thank you, Mr. President. Thank you, Mr. Frey.

Mr. Frey:

Thank you. Can we make one comment please?

Mr. Immke:

Sure.

Mr. Frey:

Dave Johnson, please --

Mr. Johnson:

Excuse me, Mr. Chairman, will the Board be considering an appropriate action -- we have heard from Mr. Frey, and President Jennings has made his statement. Is the Board going to consider this in some sort of Executive Session, or when will the decision on any action or nonaction be made?

September 3 and 4, 1987 meeting, Board of Trustees

Mr. Teaford:

We wouldn't be allowed to consider it an Executive Session.

Mr. Immke:

We wouldn't be able to do that. We have all received all the documentation on all of the reports and I believe you have had your reply.

Mr. Johnson:

President Jennings's reply is the reply of the Board of Trustees?

President Jennings:

It is my recommendation to the Board.

Mr. Johnson:

Your recommendation to the Board. Our question simply is when will the Board act on your recommendation?

President Jennings:

I think they acted by not overturning my recommendation.

Mr. Johnson:

So, the administrative action of this Board of Trustees has now been completed on our request?

President Jennings:

I would think so.

Mr. Johnson:

Thank you.

Mr. Frey:

Are we free to go?

President Jennings:

Yes, you're free to go.

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Mr. Immke:

Mrs. Bowser, I would like to call on you to give your report.

Mrs. Bowser:

As you know, I am one of the two members of the Board of Trustees on the University Hospitals Board. Mr. Immke is my co-member and

September 3 and 4, 1987 meeting, Board of Trustees

Mrs. Bowser: (contd)

since he is serving in capacity as Chairman today, I would like to report on The Ohio State University Hospitals Board.

I am going to talk about three issues, one is the Strategic Planning Process. You may remember when Charles Lazarus was Chairman of the Hospitals Board and Jack Havens was our Chairman, there was some discussion about a need for a strategic plan that would include the College of Medicine, the Medical Staff and the University Hospitals. That had sort of a slow start, but it has picked up steam and I'd like to report on that particular process.

The Hospitals Board is also going through a self-evaluation process right now. The Chairman of the Board, Mr. Vorys, had appointed Pete Klisares as Chairman, and I serve on that committee, too, and I want to give you a preliminary report on the self-evaluation. And finally, I will have some comments to make on the Financial Summary ending June 30, 1987.

Strategic Planning Process

The strategic planning consulting firm of Hamilton/Kurt Salmon and Associates is presently conducting five strategic issues discussion sessions with faculty members of The Ohio State University College of Medicine in order to solicit feedback from our medical faculty on potential future directions for the medical center relative to these four issues: 1) educational mission; 2) organization and role; 3) competitive position; and 4) modes of delivery.

During the month of September and early October, University Hospitals Administration and the University Hospitals Board will also be given the opportunity to participate in a similar process of providing their respective insights into future options.

Following the completion of this phase in the planning process, the Strategic Planning Task Force, appointed by President Jennings last year, will reconvene to begin indepth evaluation of the final draft of the plan. And that will be presented to the University Hospitals Board and finally, to the University Board of Trustees for consideration and support later this fall.

Up to this point in time, the Hospitals' consultants have conducted extensive environmental analyses of the Central Ohio marketplace and indepth internal assessments of both the College of Medicine and University Hospitals in terms of historical operations and the strengths and weaknesses of each component of the medical center. The level of analysis lead to the development of a set of major strategic issues facing the organization demanding future resolution. Two strategic planning retreats have been held to begin discussion around these issues and options for the future. In attendance have been University Hospitals Board members, College of Medicine Clinical Chairpersons and Division Chiefs, University Hospitals Administration, basic sciences faculty directors, and College of Medicine Administration. Current or upcoming meetings are intended to delve into greater depth and discussion around future alternatives for the medical center.

September 3 and 4, 1987 meeting, Board of Trustees

Mrs. Bowser: (contd)

Just as a thought in passing, there have been some very good discussions and some good things have come out. Nothing is finalized at this point, but I think this is a plan that once it is developed, it will certainly be one that we can use and plan from.

Board Self-Evaluation

Over the past four months the Hospitals Board has undertaken a major review of its own performance in the last year. It further established a task force to recommend changes in the Hospitals' committee structure as well as format and kinds of information to be reviewed at future meetings.

The intent of such changes will be to help the Board focus not only on the day-to-day issues, but on strategic planning issues revolving around the Hospitals' teaching and research mission. It is anticipated that the task force recommendations will be considered by the full Board in September for initial implementation beginning October of this year, pending review by the President and the Board of Trustees. It will be brought to you sometime this fall.

Financial Summary Ending June 30, 1987

University Hospitals ended the year with admissions equal to budget (28,664 admissions) and patient days exceeding budget by 1.4%. The average daily census for the year was 653 patients versus 643 patients for the prior year. For the year Clinic visits exceeded budget by 6.9% and emergency visits exceeded budget by 4.6%. The Hospitals' net income was \$1,338,000 versus \$1,643,000 for the prior year.

Days in patient accounts receivable at June 30, 1987, were 100 days versus 105 days the prior year (the majority was due to delays in payment by Medicare and the State Medicaid program). Accounts receivable have decreased approximately 5 million dollars the last three months resulting in a cash balance of \$8,898,000 at June 30, 1987.

The Board has recently had the opportunity to review the first draft of financial projections for the Cancer Hospital and Research Institute and a three year financial projection for all the Hospitals. Additional review will be given to these items in the months ahead by the Finance Committee of the Hospitals Board.

This Board is a really hard working Board, lots of meetings and lots of time has been spent, this year particularly I think, with the Cancer Hospital coming on board in the near future. If there are any questions, either Mr. Immke or Mr. Covert, who is in the audience, or I would be happy to answer them if we can.

Mr. Immke:

Any questions? Any questions of Mr. Covert?

September 3 and 4, 1987 meeting, Board of Trustees

Mrs. Bowser:

Was it the intention that we submit this report?

Mr. Scott:

Yes, Shirley, that will be in the minutes.

President Jennings:

That is an outstanding report, Mrs. Bowser. I am particularly pleased with the planning that has gone on by the Board, by Mike's staff. As we all know, operations of hospitals, particularly university hospitals, are changing dramatically and this hospital, adding on top of that, is increasing its research activity in the magnitude of 20% a year. This is a hospital that is becoming a very different institution than it has been in times gone by. The planning that is going on now, I think, is extraordinarily important. The planning is being done well, because it is being done so flexibly. Recognizing that none of us can predict the future in any of this and recognizing that the changes that we have seen in the last several years probably are going to be small compared to the changes that we will see in the next several years -- not just with reimbursement, but the characteristics of care, the outpatient activity, and the very high-level tertiary care that is being delivered at that hospital. I think now with 19 heart transplants, we have one of the, if not the, best record in the nation in terms of survival rate. The bone marrow transplant, the MRI activity, and with the new heads in Surgery and OB-GYN, and Internal Medicine, those very large departments are transforming the characteristics of this hospital. I would urge all of to look at this very carefully, because it is a serious issue and these planning activities are going to be done very professionally and very well.

Mrs. Bowser:

Well, I think that once the strategic plan is formulated every member of the Board of Trustees will receive a copy of that, won't they Mike? I think it would be well worth your time to look through it. It's been painful and it's taken some time to really confront these issues and talk about them and do the best, as the President has said, to do the best we can to solve them for the future.

President Jennings:

One of the things that I think I like best and recognize best is that whenever we get talking about the Hospitals, the Hospitals Board is the first to remind us that this is first and foremost an academic institution and that our academic objectives have to be paramount on our minds. And that does make it very different and the fundamental recognition of that is extraordinarily important, because we are changing faster than other hospitals are because of the academic mission.

September 3 and 4, 1987 meeting, Board of Trustees

Mr. Kessler:

I think the Hospitals is certainly a big asset for the University, and for Columbus, and the region around us. I don't have any idea how to relate how it is doing comparably. Do we have a peer group? When we talk about things, we do have peer groups, we compare ourselves with colleges in the Big 10. I think it would be helpful, for me anyway, to see how we would compare to "our peer group in University Hospitals" in different areas.

Mrs. Bowser:

That is interesting, because the Hospitals Board has been talking about similar kinds of comparisons. It is hard, because you can't compare yourself to a Riverside, or Mount Carmel or Saint Anthony, because it is not the same mission. I am sure that we are going to be getting into that a little bit more don't you think, Mike, as we go along?

Mr. Covert:

Shirley, there is a group of hospitals and data that we have been using, at least administratively, over the last 2 - 2 1/2 years since I've been here, which is a peer group of what I'll refer to as comparable kinds of institutions, but they may not be exact. Included in that would be a number of the other Big 10 hospitals, Duke University Hospital, University of North Carolina, Vanderbilt, Barnes Hospital in St. Louis associated with Washington University, Stanford. There is a group of those that we can compare to in terms of not just financial kinds of data, but other kinds of data and we have been approaching them. As a matter of fact, even in the last week we have been meeting with both people from the University of Cincinnati and Cleveland Clinic as ways for us to compare that data so that it is useful for us, particularly in Ohio to give us a reference point.

President Jennings:

I think it is instructive when Mike goes through that and yes some of the Big 10, but in many ways our hospital is more comparable to a hospital facility at a private university, because so many of the Big 10 institutions are anywhere from 40% - 70% funded by their state. Whereas our hospital has, other than facilities, no state funding associated with it at all. The hospital where I came from, the University of Iowa, roughly 70% of their costs were picked up by the State of Iowa.

Mrs. Bowser:

And it's the one tertiary care center for the whole state and that isn't true here. So the competition, the whole --

Mr. Kessler:

Well, I think a peer group is one that you aspire to be --

September 3 and 4, 1987 meeting, Board of Trustees

President Jennings:

But it is more inclined towards the private school and I mention that because I sometimes am accused of railing against the private schools, but in this context we are typically more similar to a Vanderbilt or a Stanford or a Northwestern --

Mr. Kessler:

Well, I think it would be helpful.

President Jennings:

Good, that is an important part.

Mr. Immke:

Thank you, Shirley, for your outstanding report. Thank you, Michael, for being here and available. You have one more comment, Shirley?

Mrs. Bowser:

Yes, as Chairman of the Standing Committee on Agricultural Affairs, I would like to ballyhoo the Farm Science Review, which will occur before we have another meeting. That's the fourth week in September, I think it is the 22, 23, and 24. Vice President Hutchinson is in Vienna, serving on a different committee, so he is not here to tell you about it, but it is the 25th Anniversary of the Farm Science Review. And because of the downturn in economic factors in the agricultural world, there was some thought that maybe they wouldn't have as many exhibitors this year, but they have as many, if not more than they ever had. So they are expecting a really fine Farm Science Review. I think we haven't had any rain south of Interstate 70 and it will probably rain every day that week, but barring the weather -- and that won't bother the farmers, they'll just put on their boots. It might bother the rest of you.

President Jennings:

Are we going to do some combining of beans?

Mrs. Bowser:

Yes, we are going do some combining of beans there.

Mr. Kessler:

Why did you look at Mr. Berry, when you said that?

Mrs. Bowser:

He is a farmer, he's coming.

Mr. Berry:

I'm a farmer.

September 3 and 4, 1987 meeting, Board of Trustees

Mr. Teaford:

He's the other farmer.

Mrs. Bowser:

Sure, and we're going to show some combining of beans, as the President said. But anyway, if you are available that day, I am sure you will be contacted and invited personally, and it is a very nice opportunity to see agriculture, a real showcase of agriculture. I just wanted to make that comment.

Mr. Teaford:

And as a total city boy, I would like to indicate that I have been there a couple of times, and it is well worth the visit. It is very interesting and a lot of fun.

Mrs. Bowser:

And agriculture is Ohio's number one industry.

Mr. Barone:

And if I may add, according to the Today program this morning, they talked about the agriculture industry this year. I think it was second in the number of billions that agriculture brings into this country in export. They ended up by saying, "who can say that agriculture is a small business and that the prices are not exorbitant." I thought you --

Mrs. Bowser:

Thank you, John, I appreciate all these good comments.

President Jennings:

In all seriousness, Fred will say that agriculture and food production is 22% of the gross state product of the State of Ohio. Food production, as well, and food distribution, but food as an industry in Ohio is 22% of our gross state product, which is --

Mrs. Bowser:

No mean thing.

Mr. Immke:

We have a lot of big users! Thank you, Shirley. Dr. Jennings, will you present your agenda.

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September 3 and 4, 1987 meeting, Board of Trustees

**CHANGE "THE DR. MARS G. FONTANA ENDOWMENT FUND" TO "THE
DR. MARS G. FONTANA PROFESSORSHIP IN METALLURGICAL ENGINEERING"**

Resolution No. 88-17

Synopsis: Changing "The Dr. Mars G. Fontana Endowment Fund" to "The Dr. Mars G. Fontana Professorship in Metallurgical Engineering" is proposed.

WHEREAS in accordance with the guidelines previously established by this Board, "The Dr. Mars G. Fontana Endowment Fund" was established on May 1, 1981; 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 fund it was agreed that the fund be redesignated The Dr. Mars G. Fontana Professorship in Metallurgical Engineering when the level of funding reaches \$250,000; 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 Dr. Mars G. Fontana Endowment Fund be changed to The Dr. Mars G. Fontana Professorship in Metallurgical Engineering. In keeping with the provisions of the original endowed fund, 80% of the income is to be used for the professorship; the recipient shall at no time be a department chairperson, dean or person in a comparable administrative position, past or present; the remaining 20% of the annual income is to be added to the endowment fund principal; and

BE IT FURTHER RESOLVED, That 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.

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

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PERSONNEL ACTIONS

Resolution No. 88-18

RESOLVED, That the personnel actions as recorded in the Personnel Budget Records of the University since the July 10, 1987 meeting of the Board, including the following Change in Title, Appointments, Appointment of Chairpersons of Department and Division, Reappointment of Chairpersons of

September 3 and 4, 1987 meeting, Board of Trustees

PERSONNEL ACTIONS (contd)

Departments and Directors of Center and Institute, Leaves of Absence Without Salary, Leaves of Absence Without Salary--Continuation, Professional Improvement Leaves, Professional Improvement Leave--Change of Dates, Promotions/Tenure, and Emeritus Titles as detailed in the University Budget be approved.

Change in Title

Name: NANCY M. RUDD
Title: Secretary of the University Senate/Professor
Office/Departments: Academic Affairs/Family Resource Management and Home Economics (OARDC)
Effective: July 1, 1987*
Salary: \$58,872.00
Present Position: Professor, Departments of Family Resource Management and Home Economics (OARDC)

Appointments

Name: ROBERT A. RAPP
Title: Professor (Mars G. Fontana Professorship of Metallurgical Engineering)
Department: Metallurgical Engineering
Effective: October 1, 1987 (9-month appointment)
Salary: \$80,400.00
Present Position: Professor, Department of Metallurgical Engineering

Name: FRANK W. SCHWARTZ
Title: Professor (Ohio Eminent Scholar in Hydrogeology)
Department: Geology and Mineralogy
Effective: October 1, 1988 (9-month appointment)
Salary: \$87,000.00
Present Position: Professor, Department of Geology, University of Alberta

Name: JOHN W. WILKINS
Title: Professor (Ohio Eminent Scholar in Physics)
Department: Physics
Effective: April 1, 1988 (9-month appointment)
Salary: \$90,000.00
Present Position: Professor, Department of Physics, Cornell University

*12-month appointment, unless otherwise specified.

Appointment of Chairpersons of Department and Division

August 1, 1987 through June 30, 1991

Division of Agricultural Mechanics Technology Allen P. Zimmerman

October 1, 1987 through September 30, 1991

German

Gisela M. Vitt

September 3 and 4, 1987 meeting, Board of Trustees

PERSONNEL ACTIONS (contd)

Reappointment of Chairpersons of Departments and Directors of Center and Institute

July 1, 1987 through June 30, 1988

Melton Center for Jewish Studies

Marc L. Raphael

July 1, 1987 through June 30, 1991

Agricultural Technical Institute
Human Nutrition and Food Management
Neurology

Dan D. Garrison
Wayne A. Johnson
George W. Paulson

Leaves of Absence Without Salary

JON S. CUNNINGHAM, Professor, Academic Faculty of Accounting and Management Information Systems and Department of Economics, effective Autumn Quarter 1987, Winter Quarter and Spring Quarter 1988, to serve as Director of Research and Development at the Advanced Information Technology Research Center.

R. WILLIAM LIDDLE, Professor, Department of Political Science, effective Spring Quarter 1987, to continue his work in Indonesia.

JOSEPH H. LYNCH, Professor, Department of History, effective Autumn Quarter 1987 and Winter Quarter 1988, to accept an NEH Fellowship.

CLAIRE C. ROBERTSON, Associate Professor, Department of History and Center for Women's Studies, effective Autumn Quarter 1987, Winter Quarter and Spring Quarter 1988, to pursue research in Kenya under a Fulbright-Hays Training Grant for Faculty Research Abroad.

JERRY G. THURSBY, Associate Professor, Department of Economics, effective Autumn Quarter 1987, Winter Quarter and Spring Quarter 1988, for personal reasons.

MARIE S. THURSBY, Associate Professor, Department of Economics, effective Autumn Quarter 1987, Winter Quarter and Spring Quarter 1988, for personal reasons.

JAMES N. BODURTHA, Assistant Professor, Academic Faculty of Finance, effective Autumn Quarter 1987, Winter Quarter and Spring Quarter 1988, to accept a Visiting Professorship at the University of Michigan.

WAI CHAN, Assistant Professor, Department of Statistics, effective Autumn Quarter 1987, Winter Quarter and Spring Quarter 1988, to accept a position at Digital Equipment Corporation.

DANIEL L. COX, Assistant Professor, Department of Physics, effective Autumn Quarter 1987, to work on his research program.

KRISTINE A. DUGAS, Assistant Professor, Department of English and Center for Women's Studies, effective Autumn Quarter 1987, Winter Quarter and Spring Quarter 1988, for personal reasons.

September 3 and 4, 1987 meeting, Board of Trustees

PERSONNEL ACTIONS (contd)

Leaves of Absence Without Salary (contd)

DAVID FAIRLEY, Assistant Professor, Department of Statistics, effective Autumn Quarter 1987, Winter Quarter and Spring Quarter 1988, to pursue research interests.

EMIL VRABIE, Instructor, Department of Slavic and East European Languages and Literatures, effective Autumn Quarter 1987, Winter Quarter and Spring Quarter 1988, to accept a Visiting Lectureship at the University of Virginia.

MARCIA A. CAROTHERS, Clinical Instructor, Department of Veterinary Clinical Sciences, effective July 1, 1987, through December 31, 1987, to conduct an independent research project.

Leaves of Absence Without Salary--Continuation

NANCY S. ERICKSON, Professor, College of Law, effective Autumn Semester 1987 and Spring Semester 1988, for professional and personal reasons.

RICHARD M. CANTOR, Assistant Professor, Department of Economics, effective Autumn Quarter 1987, Winter Quarter and Spring Quarter 1988, to conduct research in the Domestic Policy Division of the New York Federal Reserve Bank.

Professional Improvement Leaves

JAMES W. COLLINSON, Professor, Department of Geology and Mineralogy, effective Winter Quarter and Spring Quarter 1988.

NATHAN S. FECHHEIMER, Professor, Department of Dairy Science, effective March 28, 1988, through August 31, 1988.

JAMES E. HARF, Professor, Department of Political Science, effective Winter Quarter, Spring Quarter and Autumn Quarter 1988.

ELLEN HOCK, Professor, Department of Family Relations and Human Development, effective January 1, 1988, through June 30, 1988.

DAVID HOTHERSALL, Professor, Department of Psychology, effective Winter Quarter and Spring Quarter 1988.

STANLEY K. LAUGHLIN, JR., Professor, College of Law, effective Spring Semester 1988.

AARON J. MILLER, Professor, Department of Educational Policy and Leadership, effective Winter Quarter and Spring Quarter 1988.

PAUL C. NUTT, Professor, Division of Hospital and Health Services Administration, effective January 1, 1988, through June 19, 1988.

THEODORE D. SOKOLOSKI, Professor, College of Pharmacy, effective January 4, 1988, through December 31, 1988.

BRUCE E. BURSTEN, Associate Professor, Department of Chemistry, effective Winter Quarter and Spring Quarter 1988.

September 3 and 4, 1987 meeting, Board of Trustees

PERSONNEL ACTIONS (contd)

Professional Improvement Leaves (contd)

DAVID BUTLER, Associate Professor, School of Music, effective Winter Quarter and Spring Quarter 1988.

MARGRET R. PIERSON, Associate Professor, Department of Dance, effective Winter Quarter and Spring Quarter 1988.

Professional Improvement Leave--Change of Dates

GOLDIE SHABAD, Associate Professor, Department of Political Science, change leave from Autumn Quarter 1987, Winter Quarter and Spring Quarter 1988, to Autumn Quarter 1987 and Winter Quarter 1988.

Emeritus Titles

THOMAS A. WILLKE, Office of Academic Affairs and Department of Statistics, with the title Dean for Undergraduate Studies for Arts and Sciences and Professor Emeritus, effective July 1, 1987.

EDWARD D. ALLEN, Department of Educational Theory and Practice, with the title Professor Emeritus, effective September 1, 1987.

JAMES K. BURT, Department of Veterinary Clinical Sciences, with the title Professor Emeritus, effective August 1, 1987.

EUGENE CHING, Department of East Asian Languages and Literatures, with the title Professor Emeritus, effective July 1, 1987.

ROBERT F. CROSS, Department of Veterinary Preventive Medicine, with the title Professor Emeritus, effective September 1, 1987.

FREDERICK R. CYPHERT, Department of Educational Theory and Practice, with the title Professor Emeritus, effective August 1, 1987.

JAMES R. GAINES, Department of Physics, with the title Professor Emeritus, effective September 1, 1987.

WALTER R. HARVEY, Department of Dairy Science, with the title Professor Emeritus, effective September 1, 1987.

FLOYD L. HERUM, Department of Agricultural Engineering, with the title Professor Emeritus, effective October 1, 1987.

RUTH M. KESSLER, College of Law, with the title Professor Emeritus, effective July 1, 1987.

ILSE LEHISTE, Department of Linguistics, with the title Professor Emeritus, effective July 1, 1987.

MILES K. MCEL RATH, Department of East Asian Languages and Literatures, with the title Professor Emeritus, effective July 1, 1987.

GORDON L. NELSON, Department of Agricultural Engineering, with the title Professor Emeritus, effective October 1, 1987.

September 3 and 4, 1987 meeting, Board of Trustees

PERSONNEL ACTIONS (contd)

Emeritus Titles (contd)

GORDON W. POWELL, Department of Metallurgical Engineering, with the title Professor Emeritus, effective July 1, 1987.

DONALD P. SANDERS, Department of Educational Policy and Leadership, with the title Professor Emeritus, effective September 1, 1987.

LEON I. TWAROG, Department of Slavic and East European Languages and Literatures, with the title Professor Emeritus, effective July 1, 1987.

ROBERT H. MAGNUSON, Department of Ophthalmology, with the title Clinical Professor Emeritus, effective July 1, 1987.

EDWARD COATES, School of Health, Physical Education and Recreation, with the title Associate Professor Emeritus, effective August 1, 1987.

DARLEEN LAMBERT, Cooperative Extension Service, with the title Associate Professor Emeritus, effective September 1, 1987.

WILLIE F. LONGSHORE, School of Architecture - Administration, with the title Associate Professor Emeritus, effective September 1, 1987.

HAROLD SCHNEIDERMAN, College of Social Work, with the title Associate Professor Emeritus, effective April 1, 1987.

ANDREW H. BREINER, School of Health, Physical Education and Recreation, with the title Assistant Professor Emeritus, effective August 1, 1987.

PAUL B. DIERKSEN, College of Dentistry - Diagnostic Services, with the title Assistant Professor Emeritus, effective August 1, 1987.

R. JOAN SELLS, Cooperative Extension Service, with the title Assistant Professor Emeritus, effective August 1, 1987.

ELEANOR R. KERSH, Cooperative Extension Service, with the title Instructor Emeritus, effective August 1, 1987.

RAYMOND S. BUGNO, Ohio State University Research Foundation, with the title Deputy Director Emeritus - Research Foundation, effective July 1, 1987.

Upon motion of Mrs. Bowser, 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. 88-19

Synopsis: Resolutions honoring the service of seven 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.

September 3 and 4, 1987 meeting, Board of Trustees

RESOLUTIONS IN MEMORIAM (contd)

Luther M. Keith, Jr.

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on June 19, 1987, of Luther M. Keith, Jr., Professor in the Department of Surgery.

Dr. Keith was born November 3, 1919, in Ralls, Texas. He graduated from Texas Technical College in Lubbock, and received his M.D. degree from the University of Tennessee. He served in the United States Navy from 1945-46 and 1950-52.

Dr. Keith was appointed Instructor in the Department of Surgery in 1950 and remained on the faculty until his death. He was Vice Chairperson of the Department of Surgery from 1972 until 1987 and Acting Chairperson in 1974-75.

In addition to his role in the Department of Surgery, he was Team Physician in the Department of Athletics.

Throughout his career, Dr. Keith was a dedicated teacher and role model for students and residents. His calm demeanor and expectation of excellence were important attributes in guiding his students.

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy. 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.

Gertrude C. Kuehefuhs

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on July 21, 1987, of Gertrude C. Kuehefuhs, Professor Emeritus and former Chairman of the Division of Music Theory and Composition in the School of Music.

Professor Kuehefuhs was born September 17, 1916, in Philadelphia, Pennsylvania. As a child she demonstrated an exceptional talent for music and had the good fortune to study with leading Philadelphia teachers, including Leopold Sayre and Vincent Jones. She attended Temple University, receiving a B.S. in Education in 1938 and an Ed.M. in Music in 1939. Subsequently, she studied at the Pius X School of Liturgical Music in New York and attended summer sessions of the Eastman School of Music, Tanglewood.

Following four years of teaching music in the Philadelphia Public Schools, Professor Kuehefuhs joined the faculty of The Ohio State University in 1943. Her forty-three years of service to the School of Music profoundly influenced the development of the curriculum. From 1962 to 1968, she served as a division chairman, and in 1964 she was promoted to the rank of Professor of Music. Professor Kuehefuhs was the first woman in the history of the School of Music to achieve either of these distinctions. Upon her retirement in 1985, she was named Professor Emeritus.

September 3 and 4, 1987 meeting, Board of Trustees

RESOLUTIONS IN MEMORIAM (contd)

Gertrude C. Kuehefuhs (contd)

Professor Kuehefuhs was a member of a number of professional societies and served as president of the Ohio Theory-Composition Teachers Association and of The Ohio State University Chapter of the Pi Kappa Lambda Music Honorary Society.

Throughout her tenure, Professor Kuehefuhs enlivened her teaching by maintaining an active performing career. She was harpist for the Columbus Philharmonic Orchestra from 1943 until its demise in 1945 and principal keyboard specialist for the Columbus Symphony Orchestra from its inception in 1951 until her retirement. As a respected chamber musician and accompanist, she participated in over 300 major recitals. Also active as a church musician, she was organist in many Columbus Catholic Churches and director of the Newman Center Choir for several decades.

In recent years she extended her contribution to the community as reader for the Central Ohio Radio Reading Service.

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in their 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.

Hollie W. Shupe

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on July 20, 1987, of Hollie W. Shupe, University Architect Emeritus in the Office of the University Architect.

Hollie Shupe was born on October 9, 1915, in Columbia Center, Ohio. He received his Bachelor of Architecture degree from The Ohio State University in 1936. A member of Phi Eta Sigma, Tau Beta Pi, and Alpha Rho Chi, he was awarded the American Institute of Architects' School Medal for outstanding academic achievement in his senior year.

Professor Shupe was a registered architect and a registered professional engineer in the State of Ohio. His early professional experience included research in early American architecture. During the Second World War, he served in the Americal Division, U. S. Army, in the Asiatic-Pacific theater and attained the rank of Lieutenant Colonel. He received a Bronze Star, an Air Medal, Presidential Unit Citation, Distinguished Unit Citation, and several battle stars.

In 1939, he joined the faculty of the College of Engineering and in 1948 was named Professor of Engineering Drawing. Professor Shupe's academic accomplishments included co-authoring four text books and work books on engineering graphics. He was named University Architect in 1965, having previously worked in the Office of the University Architect on such buildings as Canfield Hall, Vivian Hall, and the north wing of the University Hospital. As University Architect, he administered the design and construction of nearly \$200,000,000 in new buildings, including essentially the entire development of all regional campuses, the West

September 3 and 4, 1987 meeting, Board of Trustees

RESOLUTIONS IN MEMORIAM (contd)

Hollie W. Shupe (contd)

Campus, and numerous other buildings on the Columbus Campus. Following his retirement in 1973, Professor Shupe assisted the City of Marietta in the restoration of that city's business center.

On behalf of the University Community, the Board of Trustees expresses to the family of Hollie W. Shupe its deepest sympathy. 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 R. Staten

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on August 10, 1987, of George R. Staten, Professor Emeritus in the School of Health, Physical Education and Recreation, and long time director of football ticket sales.

Born in 1901, George Staten attended high school in Portsmouth, Ohio. He served as Assistant Football Coach at The Ohio State University in 1933-34 after leaving a position at Ohio Wesleyan University where he was Assistant Director of Athletics from 1924-33. He served as Director of Athletics at the John Burroughs School in St. Louis, Missouri, from 1934-50. While there his coaching in baseball, basketball, and football brought many league championships to the school. In 1950, he returned to Ohio State as freshman baseball and basketball coach as well as assistant football coach. In 1953, he was appointed as Director of Ticket Sales. Under his leadership Ohio State ranked first in total attendance at home games for sixteen out of seventeen, between 1953 and 1969. He was granted tenure in 1954. He retired from his position in 1970 and was named Professor Emeritus.

The strong leadership and managerial excellence displayed by George Staten contributed to bringing the Ohio State football program into the national prominence it holds today.

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in their 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.

Genevieve W. Tucker

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on July 2, 1987, of Genevieve Winans Tucker, Instructor Emeritus in the Department of English.

Mrs. Tucker graduated from the Columbus School for Girls in 1929; from Wellesley College in 1933 with a B.A.; and from The Ohio State University in 1939 with a M.A. in English. Her 16-year career at Ohio State began in 1960 as an Assistant Instructor. She was promoted to Instructor in 1965. Mrs. Tucker taught primarily Technical Writing, American

September 3 and 4, 1987 meeting, Board of Trustees

RESOLUTIONS IN MEMORIAM (contd)

Genevieve W. Tucker (contd)

Literature, and Advanced Composition. She was also a research assistant for the Centennial Edition of Emerson's Essays. Upon her retirement in 1976, she was named Instructor Emeritus.

On behalf of the University community, the Board of Trustees expresses to the family of Mrs. Tucker its deepest sympathy. 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 sincere expression of the Board's realization of the loss that the family, the University and her many friends and associates have sustained.

Morris Emmet Wilson

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on May 23, 1987, of M. Emmet Wilson, Professor Emeritus in the School of Music.

Dr. Wilson was born June 10, 1894, in Oshkosh, Wisconsin. His early musical training included study with distinguished teachers, such as Arne Oldberg and Leo Sowerby. His academic training was broadly based. He earned a B.A. in Philosophy at the University of Minnesota (1921); an A.M. in Education at the University of Chicago (1927); and a Ph.D. in Psychology at The Ohio State University (1930). In addition, he earned the degree Associate of the Guild of American Organists (1925).

Prior to coming to Ohio State, Dr. Wilson enjoyed a varied musical career in Chicago. Notable posts were Organist and Choirmaster at the Episcopal Cathedral and at the Grace Church, Organist at the Adams Theater, and Director of the University of Chicago Band (1922-27), during the time when the University was still affiliated with the Big Ten Conference.

In 1927, Dr. Wilson was appointed Associate Professor of Instrumental Music at The Ohio State University and in 1935 he was promoted to the rank of Professor of Music. During his distinguished tenure he had the honor of serving as Visiting Professor at the Carnegie Institute of Technology (1937) and as Exchange Professor to the University of London (1952-53). Upon his retirement in 1960, he was named Professor Emeritus.

Dr. Wilson was a member of many professional societies, including the College Music Society, the Music Educators National Conference, and the American Society of Aesthetics. He served as Dean of the Central Ohio Chapter of the American Guild of Organists. His books, Music History at a Glance and How to Play by Ear, were widely read, and his music history broadcasts on WOSU radio (1942-59) gained a devoted listening audience.

The death of M. Emmet Wilson marks a milestone in the history of the School of Music; he was the last of the original five member of the music faculty.

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

September 3 and 4, 1987 meeting, Board of Trustees

RESOLUTIONS IN MEMORIAM (contd)

Alden R. Winter

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on August 20, 1987, of Alden R. Winter, Professor Emeritus in the Department of Poultry Science.

Dr. Winter was born on September 23, 1897. A native of West Virginia, he received a B.A. degree from the University of West Virginia, and M.S. and Ph.D. degrees from The Ohio State University. He was on the nutrition staff of the Ohio Agricultural Research and Development Center at Wooster from 1920-26, and from then until retirement in 1968 he served on the faculty of The Ohio State University Department of Poultry Science at Columbus. He served as Chairperson of the Department for 10 years.

Dr. Winter taught bacteriology at the University, and on special leaves he did consulting work for the United States Department of Agriculture and for commercial feed companies. He also did food research for the U.S. Army Quartermaster Corps at Iowa State University during WWII, and served on the U.S.A.I.D. Program in India (1964-67). Active in numerous professional, social and fraternal organizations, Dr. Winter was listed in the American Men and Women of Science. He was also named a Fellow of the Poultry Science Association and a member of the Poultry Hall of Fame. He was a veteran of WWI, a member of the King Avenue United Methodist Church, University Post of the American Legion, the Faculty Club, and The Ohio State University President's Club.

On behalf of the University community, the Board of Trustees expresses to the family of Alden R. Winter its deepest sympathy. 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.

Upon motion of Ms. Casto, seconded by Mr. Berry, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS

Resolution No. 88-20

Synopsis: The reports on contracts, grants, and gifts and the summary for June and July 1987 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, The Ohio State University Development Fund, and The Ohio State University Foundation:

NOW THEREFORE

September 3 and 4, 1987 meeting, Board of Trustees

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

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 State University Development Fund, and The Ohio State University Foundation during the month of June and July 1987 be approved.

Upon motion of Mr. Teaford, seconded by Ms. Casto, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

SUMMARY FOR JUNE 1987

Source	No. of Projects	Support Level
The Ohio State University Research Foundation	173	\$8,942,685.85
Engineering Experiment Station	75	491,333.00
Total	248	\$9,434,018.85

The Ohio State University Development Fund

Establishment of Named Fund

The Huntington National Bank Fellows
in International Business and Foreign
Language Study
(To permit students majoring in the
humanities with interest and supporting
work in international business and trade
to spend an academic year abroad) \$ 50,000.00

Change of Name and Description of Named Fund

From: Ralph and Estelle Wenrick Scholarship Fund
To: Ralph and Estel Wenrick Scholarship Fund

Change in Description of Named Funds

The Joseph B. Collinson Scholarship Fund
Mary C. and Ezra Place Scholarship

SUMMARY FOR JULY 1987

Source	No. of Projects	Support Level
The Ohio State University Research Foundation	125	\$13,022,031.81
Engineering Experiment Station	58	371,853.00
Total	183	\$13,393,884.81

September 3 and 4, 1987 meeting, Board of Trustees

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

SUMMARY FOR JULY 1987 (contd)

The Ohio State University Development Fund

Establishment of Named Funds

The Denver Collins, Jr., Scholarship Fund (Scholarships - Civil Engineering)	\$ 28,000.00
Horse Production and Management Educational Fund (To enhance the ATI's Horse Production and Management Program)	\$ 15,000.00
The William Poland Lectures in Music Theory (To provide an honorarium and expenses to one or more eminent scholars who will lecture on a topic of critical importance to scholarship in the theory of music)	\$ 15,000.00
The Hermann Meyer Veterinary Anatomy Award (Provide funds for annual awards to one or more freshman veterinary students)	\$ 6,000.00

The Ohio State University Foundation

Approval of Description and Establishment of Fund	Portion Transferred for Program Support*
College of Nursing Endowment (Income shall be used at the discretion of the Dean of the College of Nursing for new incentives within the college)	

*Portion transferred is to be specified annually in a report submitted by the University Treasurer.

September 3 and 4, 1987 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION

Report - June 1987

Federal Research Contracts/Grants

\$386,351.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Investigation of Problem-Solving and Man-Machine Systems, Department of Pathology (J. W. Smith and M. S. Kennedy), Department of Industrial and Systems Engineering (P. J. Smith) and Department of Computer and Information Science (B. Chandrasekaran), 1 July 1987 through 30 June 1988. (Project 766119 - New)

\$253,000.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Biochemical Applications of an EPR Spectrometer, Department of Physiological Chemistry (C. R. Hille), 1 June 1987 through 31 May 1988. (Project 766112 - New)

\$249,578.00 - Department of the Navy, Office of Naval Research, Washington, D.C., Space-Based Radar Target Identification and Performance Analysis of Large Adaptive Arrays, Department of Electrical Engineering, ElectroScience Laboratory (E. K. Walton and R. T. Compton), 1 July 1987 through 30 June 1988. (Project 766192 - Continuation)

\$177,737.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Mouse Thymidylate Synthase Gene Expression, Department of Biochemistry (L. F. Johnson), 1 September 1987 through 31 August 1988. (Project 762903 - Continuation)

\$141,907.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Study of the Clinical Pharmacokinetics of Anti-Cancer Drugs, College of Pharmacy (L. Malspeis), 1 June 1987 through 31 May 1988. (Project 766139 - New)

\$139,055.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Acute Phase Reactants: Induction and Host Resistance, Department of Microbiology (R. F. Mortensen), 1 July 1987 through 30 June 1988. (Project 762354 - Continuation)

\$138,000.00 - Department of the Interior, Bureau of Mines, Washington, D.C., Mining and Mineral Resources Research Institute -- Annual Allotment, Department of Metallurgical Engineering (G. R. St. Pierre), 1 July 1987 through 30 June 1988. (Project 766197 - Continuation)

\$133,831.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, The Immune Complex-Mediated Glomerulopathies, Department of Internal Medicine (L. A. Hebert), 1 July 1987 through 30 June 1988. (Project 761786 - Continuation)

\$132,969.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Salamander

September 3 and 4, 1987 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

Limb Regeneration: Studies with Monoclonal Antibodies, Departments of Zoology and Molecular Genetics (R. A. Tassava), 1 July 1987 through 30 June 1988. (Project 766132 - New)

\$130,626.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Intramolecular Electron Migration in Proteins and Polypeptides, Department of Chemistry (M. H. Klapper), 1 July 1987 through 30 June 1988. (Project 765529 - Continuation)

\$129,182.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Functional Analysis of DNA Topoisomerase I in Herpes Simplex Virus, Department of Microbiology (M. T. Muller) and Department of Medical Microbiology and Immunology (D. S. Parris), 1 July 1987 through 30 June 1988. (Project 765482 - Continuation)

\$128,310.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Immunosuppressive Properties of Retrovirus Protein, Department of Veterinary Pathobiology (R. G. Olsen and L. E. Mathes) 1 July 1987 through 30 June 1988. (Project 762986 - Continuation)

\$117,000.00 - Department of Agriculture, Science and Education, Washington, D.C., Rain Splash Dispersal of Fungal Pathogens of Strawberry, Department of Plant Pathology - OARDC (L. V. Madden and M. A. Ellis), 1 September 1987 through 31 August 1989. (Project 764729 - Continuation)

\$114,755.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Somatostatin in Spinal Sensory Circuits, Department of Anatomy (R. H. Ho), 1 July 1987 through 30 June 1988. (Project 766184 - New)

\$111,925.00 - Department of Health and Human Services, Public Health Service, Health Resources and Services Administration, Rockville, Maryland, Health Careers Opportunity Program, School of Allied Medical Professions (S. L. Wilson), 1 September 1987 through 31 August 1988. (Project 766127 - New)

\$108,000.00 - Department of Education, Office of Educational Research and Improvements, Washington, D.C., ERIC Clearinghouse on Adult, Career and Vocational Education, The National Center for Research in Vocational Education (R. D. Ryan, Jr.), 1 October 1987 through 31 December 1987. (Project 764387 - Continuation)

\$105,130.00 - Department of the Interior, Geological Survey, Reston, Virginia, FY 1987 State Water Research Institute Program, Department of Civil Engineering and Engineering Experiment Station (R. C. Stiefel), Department of Chemical Engineering (L. S. Fan), Department of City and Regional Planning (S. I. Gordon), and Department of Agronomy (S. J. Traina and T. J. Logan), 1 July 1987 through 30 June 1988. (Project 766191 - 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)

\$100,000.00 - Department of Agriculture, Science and Education, Washington, D.C., Chemical Ecology of Nitidulid Beetles, Pathogenic Fungi, and Their Plant Hosts, Department of Entomology - OARDC (P. L. Phelan and R. N. Williams) and Department of Plant Pathology - OARDC (M. A. Ellis), 1 July 1987 through 30 June 1989. (Project 766174 - New)

\$97,835.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, FSH and the Regulation of Ovarian Folliculogenesis, Department of Anatomy (B. E. Batten), 1 April 1987 through 31 March 1988. (Project 765914 - Continuation)

\$96,074.00 - National Science Foundation, Washington, D.C., Totally Synthetic Heme Protein Models, Department of Chemistry (D. H. Busch), 1 July 1987 through 31 December 1988. (Project 766188 - New)

\$85,379.00 - Department of Education, Office of Special Education and Rehabilitation Services, Washington, D.C., Preparation of Therapeutic Recreation Specialists: An Interdisciplinary Program for the Preservice Preparation of Teachers in the Area of Severe Behavior Handicaps, Department of Human Services Education (J. O. Cooper) and Department of Human Services Education and School of Health, Physical Education, and Recreation (J. J. Trap), 1 July 1987 through 30 June 1988. (Project 766097 - New)

\$84,747.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Novel Uracils, Pyrimidines, Azoles and Purines, Department of Chemistry (H. Shechter), 1 July 1987 through 31 May 1988. (Project 762793 - Continuation)

\$83,277.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Oncology Training Grant, Department of Internal Medicine (S. P. Balcerzak), 1 July 1987 through 30 June 1988. (Project 761160 - Continuation)

\$81,600.00 - National Science Foundation, Washington, D.C., Rydberg States of Atoms and Molecules, Department of Physics (R. D. Knight), 1 July 1987 through 31 December 1988. (Project 764851 - Continuation)

\$79,519.00 - Department of Health and Human Services, Public Health Service, Alcohol, Drug Abuse, and Mental Health Administration, Rockville, Maryland, Research Training Program in Psychoneuroimmunology, Department of Medical Microbiology and Immunology (M. R. Glaser), 1 July 1987 through 30 June 1988. (Project 766200 - New)

\$78,490.00 - Department of Health and Human Services, Public Health Service, Health Resources and Services Administration, Rockville, Maryland, Advanced Educational Program in General Dentistry, Community Dentistry (L. P. Diorio), 1 July 1987 through 30 June 1988. (Project 765454 - 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)

\$77,139.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Neural Regulation of Intestinal Mucosa, Department of Physiology (H. J. Cooke), 1 July 1987 through 30 June 1988. (Project 765011 - Continuation)

\$76,702.00 - Department of Health and Human Services, Public Health Service, Alcohol, Drug Abuse, and Mental Health Administration, Rockville, Maryland, Tourette Syndrome: Behavioral, Biochemical and EEG Deficit, Department of Psychiatry (R. A. Bornstein), 1 July 1987 through 30 June 1988. (Project 766121 - New)

\$69,800.00 - National Science Foundation, Washington, D.C., Toughness, Strength, and R-Curve Behavior in Microcracking Materials, Department of Ceramic Engineering (K. T. Faber), 1 July 1987 through 31 December 1988. (Project 766199 - Continuation)

\$69,730.00 - National Science Foundation, Washington, D.C., A Strategy for Inter-Organizational Measurement: Insights from the Resource Perspective, Department of Sociology (T. L. Parcel, W. Form, R. Kaufman and M. Wallace), 5 June 1987 through 30 June 1988. (Project 766108 - New)

\$65,743.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, The Application of Low Temperature Chemistry and Kinetics to Photoaffinity Labeling, Department of Chemistry (M. S. Platz) 1 July 1987 through 30 June 1988. (Project 765496 - Continuation)

\$62,500.00 - National Science Foundation, Washington, D.C., Presidential Young Investigator Award -- Fracture and Toughening of Ceramic Materials, Department of Ceramic Engineering (K. T. Faber), 1 July 1987 through 31 December 1988. (Project 764324 - Continuation)

\$61,909.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, A 60 Kilodalton Onofetal Protein Associated with Carcinogenesis, Department of Physiological Chemistry (T. E. Webb), 1 August 1986 through 31 January 1988. (Project 765588 - Continuation)

\$60,000.00 - Department of Education, Washington, D.C., Advanced Intensive Swahili Group Project Abroad, Department of Judaic and Near Eastern Languages and Literatures (F. J. Cadora), 15 May 1987 through 15 September 1987. (Project 766051 - New)

\$60,000.00 - National Science Foundation, Washington, D.C., Photon- and Electron-Molecule Collisions and Molecular Resonance Phenomena, Department of Chemistry (C. W. McCurdy), 1 July 1987 through 31 January 1989. (Project 765573 - Continuation)

\$60,000.00 - National Science Foundation, Washington, D.C., Combined Variance Reduction and Output Analysis in Stochastic Simulation, Department of Industrial and Systems Engineering (B. L. Nelson), 15 July 1987 through 30 June 1989. (Project 766193 - 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)

\$59,304.00 - National Aeronautics and Space Administration, Langley Research Center, Hampton, Virginia, Space Station Antenna Design Studies, Department of Electrical Engineering, ElectroScience Laboratory (W. D. Burnside), 1 May 1987 through 30 April 1988. (Project 761012 - Continuation)

\$57,115.00 - Department of Health and Human Services, Public Health Service, Health Resources and Services Administration, Rockville, Maryland, Graduate Program in Hospital and Health Services Administration, Hospital and Health Services Administration (S. F. Loeb), 1 October 1987 through 30 September 1988. (Project 761329 - Continuation)

\$52,110.00 - National Science Foundation, Washington, D.C., Single-Atom Peri-Bridged Arenes and Heterenes: Carbonic Processes, Department of Chemistry (H. Shechter), 1 July 1987 through 31 December 1988. (Project 764751 - Continuation)

\$51,000.00 - National Aeronautics and Space Administration, Goddard Space Flight Center, Greenbelt, Maryland, Terrestrial Gravity Data Analysis for Interim Gravity Model Improvement, Department of Geodetic Science and Surveying (R. H. Rapp), 1 July 1987 through 30 June 1988. (Project 765353 - Continuation)

\$50,928.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Calcium and Calmodulin in Smooth Muscle Contraction, Department of Physiological Chemistry (J. D. Johnson), 1 July 1987 through 30 June 1988. (Project 764653 - Continuation)

\$50,719.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Maternal Growth Factors in Neonatal Growth, Department of Animal Science - OARDC (F. A. Simmen), 1 July 1987 through 30 June 1988. (Project 765566 - Continuation)

\$50,000.00 - National Aeronautics and Space Administration, Washington, D.C., Effects of Hypergravity and Hypogravity Environments on Cell Cycle Regulation During Fern Spore Germination, Department of Botany (V. Raghavan), 15 June 1987 through 14 June 1988. (Project 765460 - Continuation)

\$49,994.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, A Theoretical and Experimental Study of Weld Solidification Under Transient Conditions, Department of Welding Engineering (W. A. Baeslack III), 30 June 1987 through 15 December 1987. (Project 764095 - Continuation)

\$49,990.00 - Department of Energy, Argonne, Illinois, Investigations of Ultrasonic Surface Wave Interaction with Porous Saturated Rocks, Department of Welding Engineering (L. Adler), 1 July 1987 through 30 June 1988. (Project 766168 - 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)

\$48,000.00 - Department of the Air Force, Air Force Systems Command, Bolling Air Force Base, D.C., Cumulative Damage Modeling in Composite Laminates, Department of Civil Engineering (R. S. Sandhu, R. L. Sierakowski and W. E. Wolfe), 1 July 1987 through 30 September 1987. (Project 765471 - Continuation)

\$45,000.00 - Department of 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 (G. Kalbous), 1 August 1987 through 31 July 1988. (Project 766155 - New)

\$44,113.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Sertoli Cell-Germ Cell Surface Membrane Interactions, Department of Anatomy (R. M. DePhilip), 1 July 1987 through 30 June 1988. (Project 764825 - Continuation)

\$43,687.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, DNA Synthesizer: Refrigerated Microfuge, College of Medicine - Administration (D. G. Cornwell), 5 June 1987 through 4 June 1988. (Project 766161 - New)

\$39,930.00 - National Aeronautics and Space Administration, Goddard Space Flight Center, Greenbelt, Maryland, Robust Estimation of Regional Deformations and Relative Plate Motions from Robust Estimation, Department of Geodetic Science and Surveying (I. I. Mueller), 1 July 1987 through 30 June 1988. (Project 761054 - Continuation)

\$37,154.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Fixed Angle Rotor and Other Equipment, Research and Graduate Studies Administration (T. L. Sweeney), 1 June 1987 through 31 May 1988. (Project 766118 - New)

\$35,000.00 - National Aeronautics and Space Administration, Washington, D.C., The Role of Gravity in Apical Dominance, Department of Botany (M. G. Cline), 1 May 1987 through 30 April 1988. (Project 764141 - Continuation)

\$35,000.00 - National Aeronautics and Space Administration, Lewis Research Center, Cleveland, Ohio, Studies in Electromagnetic Scattering, Department of Electrical Engineering, ElectroScience Laboratory (P. H. Pathak), 1 July 1987 through 31 December 1987. (Project 763822 - Continuation)

\$33,318.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Uteroferrin Gene Expression During Fetal and Placental Development, Department of Animal Science - OARDC (R. C. M. Simmen), 1 July 1986 through 30 June 1987. (Project 765565 - 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)

\$30,600.00 - National Science Foundation, Washington, D.C., Probability and Ergodic Theory, Department of Mathematics (L. Sucheston), 1 June 1987 through 30 November 1988. (Project 765394 - Continuation)

\$26,600.00 - National Science Foundation, Washington, D.C., Studies of Arithmetic Automorphic Forms, Department of Mathematics (Y. Flicker), 1 July 1987 through 31 December 1989. (Project 766195 - New)

\$26,145.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, General Clinical Research Center, College of Medicine - Administration (M. Tzagournis) and Department of Internal Medicine (W. Malarkey), 1 July 1987 through 30 November 1987. (Project 761196 - Continuation)

\$26,000.00 - National Science Foundation, Washington, D.C., Cyclic Homology, Algebra, Topology, and Geometry, Department of Mathematics (D. Burghelaea), 15 June 1987 through 30 November 1988. (Project 766187 - New)

\$22,543.00 - National Science Foundation, Washington, D.C., Workshop on the Application of Image Processing and Analysis to Research on Coherent Structures in Turbulent Shear Flows, Department of Chemical Engineering (R. S. Brodkey), 1 June 1987 through 31 May 1988. (Project 766113 - New)

\$22,500.00 - National Science Foundation, Washington, D.C., An International Conference in Game Theory: Principles and Applications of Game Theory, Department of Economics (E. J. Ray), 1 May 1987 through 30 November 1987. (Project 766131 - New)

\$22,200.00 - National Science Foundation, Washington, D.C., Complex Banach Spaces, Department of Mathematics (G. Edgar), 1 January 1988 through 30 June 1990. (Project 766189 - New)

\$18,796.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Graduate Training in Biochemical Neuropathology, Department of Physiological Chemistry (L. A. Horrocks), 1 July 1986 through 30 June 1988. (Project 760708 - Continuation)

\$17,500.00 - National Science Foundation, Washington, D.C., Traveling Wave Solutions of Reaction Diffusion Systems, Department of Mathematics (D. Terman), 1 June 1987 through 30 November 1988. (Project 766089 - New)

\$14,484.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Perkin-Elmer Model LS-5B Luminescence Spectrophotometer and IBM-AT Computer, Department of Veterinary Pathobiology (L. E. Mathes), 5 June 1987 through 4 June 1988. (Project 766164 - New)

\$14,090.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Multiple Comparisons with the Best Treatment, Department of Statistics (J. C. Hsu), 1 August 1986 through 31 January 1988. (Project 765581 - 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)

\$13,650.00 - National Science Foundation, Washington, D.C., Arithmetic of Abelian Varieties, Department of Mathematics (A. Silverberg), 15 June 1987 through 30 November 1988. (Project 766169 - New)

\$11,903.00 - 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 (M. B. Bragg and G. M. Gregorek), 1 July 1987 through 31 October 1987. (Project 762009 - Continuation)

\$10,000.00 - Department of State, Washington, D.C., Audiovisual Preparation for Public Education, School of Natural Resources (C. B. Davis and R. W. Fortner) and Department of Natural Resources - OARDC and School of Natural Resources (G. W. Mullins), 3 September 1986 through 31 March 1988. (Project 766102 - New)

\$8,000.00 - Department of State, Washington, D.C., Public Education and Biosphere Reserves, School of Natural Resources and Department of Natural Resources - OARDC (G. W. Mullins) and School of Natural Resources (C. B. Davis and R. W. Fortner), 28 September 1986 through 31 March 1988. (Project 766104 - New)

\$7,000.00 - Department of State, Washington, D.C., Adaptation of Media for Biosphere Reserves, School of Natural Resources (C. B. Davis and R. W. Fortner), Department of Natural Resources - OARDC and School of Natural Resources (G. W. Mullins), 25 September 1986 through 31 March 1988. (Project 766103 - New)

\$5,000.00 - Department of Agriculture, Forest Service, Broomall, Pennsylvania, Host Mediated Effects of Atmospheric Deposition on Insect Herbivores, Department of Entomology (R. W. Hall), 1 May 1987 through 14 September 1988. (Project 766106 - New)

\$1,534.00 - Department of the Interior, Bureau of Mines, Pittsburgh, Pennsylvania, Analysis of Hand Tool Injuries in the Underground Mining Industries, Department of Industrial and Systems Engineering (W. S. Marras) and Division of Mining Engineering (R. G. Lundquist), 17 August 1984 through 16 November 1987. (Project 764311 - Continuation)

Travel - Department of Agriculture, Office of International Cooperation and Development, Washington, D.C., National Conference on Africanized Honey Bees and Bee Mites, Department of Entomology (R. E. Page, Jr. and G. R. Needham), 30 March 1987 through 1 April 1987. (Project 766126 - New) (Approximate Dollar Value - \$19,000)

Equipment - Department of Energy, Albuquerque, New Mexico, Energy-Related Laboratory Equipment, Engineering Experiment Station (J. Talnagi), 1 June 1987 through 30 August 1987. (Project 766105 - New) (Approximate Dollar Value - \$2,366)

TOTAL - FEDERAL AWARDS

\$5,278,707.00

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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

\$175,000.00 - State of Ohio, Department of Education, Columbus, Ohio, Ohio Middle and Junior High School Counselor Career/Vocational Guidance Development Professional Renewal Workshop Plan, The National Center for Research in Vocational Education (R. D. Ryan, Jr.), 4 June 1987 through 31 August 1987. (Project 766153 - New)

\$75,000.00 - State of Ohio, Department of Education, Columbus, Ohio, State Superintendent's Task Force, College of Education - Administration (T. Stephens), 1 July 1987 through 30 June 1988. (Project 766175 - Continuation)

\$42,591.00 - State of Ohio, Department of Education, Columbus, Ohio, Ohio's Martin W. Essex School for the Gifted - 1987, Department of Human Services Education (R. H. Swassing), 1 April 1987 through 31 March 1988. (Project 766064 - Continuation)

\$37,000.00 - State of Ohio, Department of Development, Columbus, Ohio, Retention and Expansion of Existing Businesses, Department of Agricultural Economics and Rural Sociology - OARDC and Cooperative Extension State Operations (G. W. Morse), 1 June 1987 through 30 June 1988. (Project 765667 - Continuation)

\$15,600.00 - State of Ohio, Ohio Arts Council, Columbus, Ohio, OSU Gallery Film and Video Series, College of The Arts - Administration (J. W. Green), 30 August 1987 through 30 June 1988. (Project 766156 - New)

\$10,966.00 - State of Ohio, Department of Education, Columbus, Ohio, Upward Bound Summer Food Service Program, Office of Minority Affairs (L. G. Morrow), 22 June 1987 through 31 July 1987. (Project 766120 - New)

\$4,721.00 - State of Ohio, Ohio Arts Council, Columbus, Ohio, Publication Support for "The Journal: The Literary Magazine of Ohio State University," Department of English (D. J. Citino), 1 October 1987 through 30 September 1988. (Project 766160 - New)

\$1,523.00 - State of Ohio, Ohio Arts Council, Columbus, Ohio, Kurt Jooss' The Green Table, Department of Dance (O. Blum), 1 December 1987 through 31 May 1988. (Project 766157 - New)

\$1,400.00 - State of Ohio, Ohio Arts Council, Columbus, Ohio, Historic Costume and Textile Restoration/Damage Assessment from Flooding, Department of Textiles and Clothing (L. R. Sibley), 15 June 1987 through 30 December 1987. (Project 766167 - New)

TOTAL - STATE OF OHIO AWARDS

\$ 363,801.00

Industrial Research Contracts/Grants

\$185,374.00 - General Motors Corporation, Allison Gas Turbine Division, Indianapolis, Indiana, Model Test Program on Gas Turbine Air Intake and Exhaust Uptake System, Department of Aeronautical and Astronautical Engineering (R. J. Freuler), 1 June 1987 through 30 November 1987. (Project 766095 - New)

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Industrial Research Contracts/Grants (contd)

\$108,854.70 - Norwich-Eaton Pharmaceuticals, Inc., Norwich, New York, The Neonatal Gnotobiotic Pig as a Host for a Model Campylobacter pyloridis Infection of the Upper GI Tract, Department of Veterinary Pathobiology (G. S. Krakowka), 23 June 1986 through 30 June 1988. (Project 765549 - Continuation)

\$99,888.00 - Rockwell International, Los Angeles, California, Extended Radar Cross Section Studies, Department of Electrical Engineering, ElectroScience Laboratory (W. D. Burnside and L. Peters, Jr.), 1 January 1987 through 30 September 1987. (Project 765903 - Continuation)

\$82,000.00 - The Standard Oil Company, Cleveland, Ohio, Functions and Graphs Approached Via Computers and Calculators, Department of Mathematics (F. Demana and B. K. Waits) and Department of Educational Theory and Practice (A. Osborne and G. Foley), 1 September 1987 through 31 August 1988. (Project 766194 - New)

\$77,608.00 - Kali-Duphar Laboratories, Inc., Worthington, Ohio, Eproxindine Hydrochloride (KC 3791): A Double-Blind, Placebo-Controlled, Intravenous Dose Ranging Study in Patients with Ventricular Premature Complexes, Department of Internal Medicine (S. F. Schaal), 1 May 1987 through 31 December 1987. (Project 766107 - New)

\$75,901.00 - Pfizer, Inc., Groton, Connecticut, Phase I Double-Blind, Placebo-Controlled, Single Dose Study to Establish Tolerantion, Pharmacokinetics and Bioavailability of CP-74,725, Department of Pharmacology (N. Gerber), 1 June 1987 through 31 May 1988. (Project 765696 - Continuation)

\$64,416.00 - American Cyanmid Company, Pearl River, New York, Studies of the Safety and Immunogenicity of an Acellular Pertussis Vaccine Compared to Whole Cell Pertussis Vaccine, Department of Pediatrics (L. K. Grossman), 1 July 1987 through 31 December 1988. (Project 766177 - New)

\$61,745.00 - Pfizer, Inc., Groton, Connecticut, Phase I Double-Blind, Placebo-Controlled, Escalating Single Dose Study to Determine the Effect of Food on the Pharmacokinetics and Tolerantion Study of Oral CP-66,948 in Normal Volunteers, Department of Pharmacology (N. Gerber), 1 March 1987 through 29 February 1988. (Project 765696 - Continuation)

\$59,280.00 - Pfizer, Inc., Groton, Connecticut, Phase I Double-Blind, Placebo-Controlled, Escalating Single Dose Pharmacokinetics and Tolerantion of Oral Enteric Coated CP-66,948 in Normal Male Volunteers, Department of Pharmacology (N. Gerber), 1 June 1987 through 31 May 1988. (Project 765696 - Continuation)

\$59,000.00 - Universal Energy Systems, Inc., Dayton, Ohio, Active Vibration Control of Large Space Structures, Department of Electrical Engineering (U. Ozguner and S. Yurkovich), 19 May 1987 through 30 December 1987. (Project 766098 - New)

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Industrial Research Contracts/Grants (contd)

\$51,056.00 - Ohio Edison Company, Akron, Ohio, The Experimental Winter Seining of Gizzard Shad (Dorosoma cepedianum) from the Warmwater Discharge Area of Lorain Harbor, Center for Lake Erie Area Research (J. M. Reutter), 1 July 1987 through 31 August 1988. (Project 766056 - New)

\$42,494.00 - Advanced Decision Systems, Inc., Mountain View, California, Sensor Algorithm Research, Department of Electrical Engineering, ElectroScience Laboratory (R. Marhefka), 7 November 1986 through 9 April 1987. (Project 766088 - New)

\$37,292.00 - The Conover Company, Omro, Wisconsin, Develop an English On-the-Job Module Series, The National Center for Research in Vocational Education (R. D. Ryan, Jr.), 18 May 1987 through 20 November 1987. (Project 766138 - New)

\$21,776.00 - Pfizer, Inc., Groton, Connecticut, Double-Blind, Placebo-Controlled, Ninety Day Toleration Study of CP-54,802, Department of Pharmacology (N. Gerber), 1 March 1987 through 30 June 1987. (Project 765696 - Continuation)

\$17,000.00 - Xoma Corporation, Berkeley, California, Phase II/III Multicenter Controlled Clinical Trial of Antiendotoxin Antibody XMMEN-OE5, Department of Internal Medicine (J. F. Plouffe), 1 May 1987 through 30 April 1988. (Project 766111 - New)

\$12,500.00 - Edison Welding Institute, Columbus, Ohio, Prediction of Welding Distortion Using Finite Element Method, Department of Welding Engineering (C. L. Tsai), 15 April 1987 through 31 July 1987. (Project 766024 - New)

\$8,000.00 - Ross Laboratories, Columbus, Ohio, Automated Warehouse Employee -- Orientation Videotape, College of Education - Administration (J. J. Buffer), 16 April 1987 through 30 June 1987. (Project 766170 - New)

\$7,717.25 - Cardinal Industries, Reynoldsburg, Ohio, Maintenance Training Development, College of Education - Administration (J. J. Buffer), 8 June 1987 through 30 November 1987. (Project 766143 - New)

\$6,925.00 - Pfizer, Inc., Groton, Connecticut, Phase I Single Dose Pharmacokinetic Study of CP-65,703, Department of Pharmacology (N. Gerber), 1 April 1987 through 30 June 1987. (Project 765696 - Continuation)

\$3,772.90 - Sandoz, Inc., East Hanover, New Jersey, Comparative Study Between 201-995 and Placebo in Acute Bleeding Due to Peptic Ulcer, College of Medicine - Administration and Department of Internal Medicine (H. S. Mekhjian), 1 March 1986 through 31 August 1987. (Project 766093 - New)

TOTAL - INDUSTRIAL AWARDS

\$1,082,599.85

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Other Non-Federal Research Contracts/Grants

\$325,538.00 - United Nations, 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 1987 through 30 June 1988. (Project 760113 - Continuation)

\$200,000.00 - American Cancer Society, Inc., New York, New York, Leukemia Cell Differentiation: Epigenetic Therapeutics, Department of Physiological Chemistry and Cancer Research Center (R. W. Trewyn), 1 July 1987 through 30 June 1989. (Project 766163 - New)

\$133,616.00 - Healthcare Financial Management Association, Oak Brook, Illinois, The Development of a Financial Service for the Hospital Industry, Hospital and Health Services Administration (W. O. Cleverley), 1 July 1987 through 30 June 1988. (Project 761794 - Continuation)

\$95,000.00 - University of Dayton, Dayton, Ohio, Rome Air Development Center -- Electromagnetic Surface Patch Code Improvement, Department of Electrical Engineering, ElectroScience Laboratory (E. H. Newman), 14 May 1987 through 30 September 1987. (Project 766092 - New)

\$84,000.00 - University of California, Lawrence Livermore National Laboratory, Livermore, California, Decentralized/Relegated Control of a Class of Large Scale Systems, Department of Electrical Engineering (U. Ozguner), 1 December 1986 through 31 December 1987. (Project 765215 - Continuation)

\$75,700.00 - Midwest Research Institute, Golden, Colorado, An Experimental Investigation of the Unsteady Aerodynamic Characteristics of Wind Turbine Airfoils, Department of Aeronautical and Astronautical Engineering (G. M. Gregorek), 1 June 1987 through 31 July 1988. (Project 765348 - Continuation)

\$75,000.00 - Herman Frasch Foundation, Washington, D.C., Anaerobic Metabolism in Echinochloa crus-galli (Barnyard Grass) Seeds, Department of Horticulture - OARDC and Department of Horticulture (R. A. Kennedy), 1 July 1987 through 30 June 1992. (Project 766180 - New)

\$72,460.00 - Ministry of Education, Republic of Korea, Seoul, Korea, Korean Science Teacher Institute - 1987, Department of Educational Theory and Practice (V. J. Mayer), 1 June 1987 through 30 June 1988. (Project 766096 - Continuation)

\$68,000.00 - American Cancer Society, Inc., New York, New York, Biochemical Pharmacology of New Aromatase Inhibitors for Treatment of Estrogen-Dependent Cancers, College of Pharmacy (R. W. Brueggemeier), 1 July 1987 through 30 June 1988. (Project 764529 - Continuation)

\$48,486.00 - Georgia Department of Education, Atlanta, Georgia, A Design for a Management Information System, The National Center for Research in Vocational Education (R. D. Ryan, Jr.), 26 June 1987 through 30 June 1988. (Project 766181 - New)

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Other Non-Federal Research Contracts/Grants (contd)

\$41,216.00 - Inter-University Program for Latino Research, The University of Texas-Austin, Austin, Texas, The Hispanic Immigrant Context and Housing Market Conditions: A Comparison of Anglo- and Hispanic Populations, Department of Sociology (L. J. Krivo), 1 June 1987 through 30 September 1988. (Project 766154 - New)

\$37,000.00 - United States Olympic Committee, Colorado Springs, Colorado, Glycogen Depletion: A Possible Cause of Overtraining for Rowing, School of Health, Physical Education, and Recreation (W. M. Sherman), 1 October 1987 through 30 September 1988. (Project 766134 - New)

\$35,000.00 - Food and Agriculture Organization, Rome, Italy, Identification of Genomic Alterations in Plant Tissue After Long-Term Storage of Seed, Department of Agronomy - OARDC and Department of Agronomy (J. C. Kamalay), 1 July 1987 through 30 June 1988. (Project 766128 - New)

\$33,000.00 - American Heart Association, Dallas, Texas, Kinetic Studies of Xanthine Oxidase, Department of Physiological Chemistry (C. R. Hille), 1 July 1987 through 30 June 1988. (Project 765543 - Continuation)

\$30,000.00 - Council on Legal Education Opportunity, Washington, D.C., 1987 Summer Institute, College of Law (L. Pernell), 22 June 1987 through 31 October 1987. (Project 766162 - New)

\$27,000.00 - Muscular Dystrophy Association, New York, New York, Probing Z-line Composition and Structure: Novel Approaches, Department of Veterinary Anatomy (M. Yamaguchi), 1 July 1987 through 30 June 1988. (Project 766182 - New)

\$25,017.00 - American Diabetes Association, Inc., Alexandria, Virginia, Effect of Acute Exercise on Skeletal Muscle Insulin Resistance in the Obese Zucker Rat, School of Health, Physical Education, and Recreation (W. M. Sherman), 1 July 1987 through 30 June 1988. (Project 766133 - New)

\$25,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Young Investigator Award, Department of Pathology (P. B. Baker), 1 July 1987 through 30 June 1988. (Project 765493 - Continuation)

\$25,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Influence of Isordil and Hydralazine on Circulatory Power -- Young Investigator Award, Department of Internal Medicine (P. F. Binkley), 1 July 1987 through 30 June 1988. (Project 766149 - New)

\$25,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Heart Respiratory Control by Cytochrome C Oxidase Structure -- Young Investigator Award, Department of Physiological Chemistry (F. G. Fiamingo), 1 July 1987 through 30 June 1988. (Project 766150 - New)

September 3 and 4, 1987 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)

\$25,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Sabbatical Supplementation, Department of Physiology (A. L. Kunz), 1 September 1987 through 31 August 1988. (Project 766140 - New)

\$25,000.00 - American Otological Society, Inc., Minneapolis, Minnesota, Otosclerosis: Morphological, Histochemical, and Cell Culture Studies, Department of Otolaryngology, (D. J. Lim), 1 July 1987 through 30 June 1988. (Project 766196 - Continuation)

\$25,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Model of Adrenergic Hypersensitivity After Beta-Blockade, College of Pharmacy (J. J. Lima), 1 July 1987 through 30 June 1988. (Project 766142 - New)

\$25,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Verapamil Isomer Dynamics/Kinetics Following Racemate Intake, College of Pharmacy (J. J. MacKichan), 1 July 1987 through 30 June 1988. (Project 766137 - New)

\$25,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Smokeless Tobacco and Blood Pressure in Males Ages 13-25, Oral Biology (K. Schroeder) and School of Health, Physical Education, and Recreation (M. S. C. Chen), 1 July 1987 through 30 June 1988. (Project 766117 - Continuation)

\$24,600.00 - The Columbus Foundation, Columbus, Ohio, Education for NonViolent Management of Child Behavior, College of Medicine - Administration (G. L. Trzebiatowski), 1 June 1987 through 31 May 1988. (Project 766152 - New)

\$24,360.00 - The Rockefeller Foundation, New York, New York, The Impact of Financial Aid for Graduate Study for Black Students, Department of Black Studies (J. N. Upton), 1 September 1987 through 31 August 1988. (Project 766176 - New)

\$23,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Influence of Isordil and Hydralazine on Circulatory Power, Department of Internal Medicine (P. F. Binkley and C. V. Leier), 1 July 1987 through 30 June 1988. (Project 766146 - New)

\$23,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Parvalbumin Facilitated Relaxation in Single Muscle Cells, Department of Physiology (J. A. Rall), 1 July 1987 through 30 June 1988. (Project 766125 - New)

\$23,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Fluorescence Measurements in Calcium Tolerant Myocytes, Department of Physiology (B. T. Stokes), 1 July 1987 through 30 June 1988. (Project 766109 - Continuation)

September 3 and 4, 1987 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)

\$22,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Metabolism of Myocytes Isolated from Hyperthyroid Adult Rats, Department of Internal Medicine (R. A. Altschuld), 1 July 1987 through 30 June 1988. (Project 766136 - New)

\$22,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Does Lack of Oxygen Limit Maximum Force in Fatigued Diaphragm?, Department of Internal Medicine (T. L. Clanton), 1 July 1987 through 30 June 1988. (Project 766145 - New)

\$22,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Molecular Genetics of the Human Heart, Department of Genetics (S. Falkenthal), 1 July 1987 through 30 June 1988. (Project 766116 - Continuation)

\$20,000.00 - American Parkinson's Disease Association, New York, New York, Potential Experimental Therapies to Modify the Course of Parkinson's Disease, Department of Pharmacology (M. H. Neff), 1 July 1987 through 30 June 1988. (Project 765585 - Continuation)

\$18,250.00 - Arthritis Foundation, Central Ohio Chapter, Columbus, Ohio, Immunoregulation and Autoimmunity, Department of Internal Medicine (R. L. Whisler), 1 April 1987 through 31 March 1988. (Project 760620 - Continuation)

\$18,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Hypothalamic Neuronal Sensitivity in Hypertensive Rats, Department of Physiology (J. A. Boulant), 1 October 1987 through 30 September 1988. (Project 766141 - New)

\$18,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Heart Respiratory Control by Cytochrome C Oxidase Structure, Department of Physiological Chemistry (F. G. Fiamingo), 1 July 1987 through 30 June 1988. (Project 766144 - New)

\$18,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Intracoronary Nitroglycerin in PTCA: Effects on Collaterals, Department of Internal Medicine (R. D. Magorien and J. P. Bacon), 1 July 1987 through 30 June 1988. (Project 766148 - New)

\$18,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Characterization of Blood Vessel Abnormalities in Vasculitis, Department of Neurology (J. R. Mendell), 1 July 1987 through 30 June 1988. (Project 766185 - New)

\$18,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Hypertonic Sodium Chlorine in Shock: Venous Return and Lung Reflexes, Department of Veterinary Clinical Sciences (W. M. Muir III and E. R. Schertel), 1 July 1987 through 30 June 1988. (Project 766130 - New)

September 3 and 4, 1987 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)

\$18,000.00 - Nine Members of the National Entrepreneurship Education Consortium, National Entrepreneurship Education Consortium, The National Center for Research in Vocational Education (R. D. Ryan, Jr.), 1 July 1986 through 30 June 1987. (Project 765533 - Continuation)

\$18,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Electrophysiologic Effect of Procainamide-NAPA Interaction, Department of Internal Medicine (S. F. Schaal), 1 July 1987 through 30 June 1988. (Project 766151 - New)

\$18,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Cell Surface Control of Smooth Muscle Differentiation, Department of Anatomy (A. R. Strauch), 1 July 1987 through 30 June 1988. (Project 766123 - New)

\$17,499.00 - American Lung Association of Ohio, Columbus, Ohio, Effect of Cigarette Smoking on Cell-Mediated Elastolysis and on the Anti-Elastase Capacity in the Lower Respiratory Tract, Department of Internal Medicine (M. D. Wewers), 1 July 1987 through 30 June 1988. (Project 766165 - New)

\$15,000.00 - American Heart Association, Ohio Affiliate, Inc., Columbus, Ohio, Role of Mitochondrial Acetyl Cobalt A Carboxylase in Fat Synthesis, Department of Food Science and Nutrition - OARDC and Department of Food Science and Nutrition (J. B. Allred), 1 July 1987 through 30 June 1988. (Project 766078 - New)

\$15,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Anion Transport in Isolated Cardiac Myocytes, Department of Physiological Chemistry (G. P. Brierley and M. H. Davis), 1 July 1987 through 30 June 1988. (Project 766147 - New)

\$15,000.00 - American Heart Association, Ohio Affiliate, Inc., Columbus, Ohio, Frequency Analysis of First Heart Sound Related to dP/dt_m, Department of Veterinary Physiology and Pharmacology (R. L. Hamlin), 1 July 1987 through 30 June 1988. (Project 766135 - New)

\$15,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Thoracic Pressure and Ventricular Work in Congestive Failure, School of Allied Medical Professions (R. D. Tallman, Jr.), 1 July 1987 through 30 June 1988. (Project 766124 - New)

\$14,958.00 - University of Wisconsin, Madison, Wisconsin, Midwest Universities Consortium for International Affairs Program in Geodesy, Surveying, Photogrammetry and Cartography, Department of Geodetic Science and Surveying (I. I. Mueller), 15 June 1987 through 18 August 1987. (Project 766159 - New)

\$14,445.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Hypertonic Sodium Chlorine in Shock: Venous Return and Lung Reflexes, Department of Veterinary Clinical Sciences (W. W. Muir III), 1 July 1987 through 30 June 1988. (Project 766129 - New)

September 3 and 4, 1987 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)

\$14,356.00 - University of Wisconsin, Madison, Wisconsin, Midwest Universities Consortium for International Affairs Program in Geodesy, Surveying, Photogrammetry and Cartography, Department of Geodetic Science and Surveying (I. I. Mueller), 1 July 1987 through 30 September 1987. (Project 766158 - New)

\$14,000.00 - The Samuel Roberts Noble Foundation, Inc., Ardmore, Oklahoma, Studies of Macrophage Biology, Department of Microbiology (B. S. Zwilling), 1 June 1987 through 31 May 1988. (Project 766172 - New)

\$13,875.00 - American Heart Association, Ohio Affiliate, Inc., Columbus, Ohio, Effect of Calcium++ Antagonists on Mitochondrial Malic Enzyme, Department of Food Science and Nutrition - OARDC and Department of Food Science and Nutrition (K. L. Roehrig), 1 July 1987 through 30 June 1988. (Project 766186 - New)

\$12,040.00 - American Lung Association of Ohio, Columbus, Ohio, The Effect of Oxidant Injury on Oxygen Uptake-Oxygen Delivery Relationships in the Isolated Perfused Liver, Department of Internal Medicine (P. M. Dorinsky), 1 July 1987 through 30 June 1988. (Project 766166 - New)

\$10,000.00 - AO-Stiftung/ASIF-Foundation, Bern, Switzerland, Testing of Compatibility and Surface Conditions of New Titanium Alloys in Dogs, Department of Veterinary Clinical Sciences (M. L. Olmstead), 1 March 1987 through 30 September 1989. (Project 765900 - Continuation)

\$10,000.00 - Institute of International Education, New York, New York, Preservice and Inservice Teacher Education Fellowship Program -- Sri Lanka, The National Center for Research in Vocational Education, (R. D. Ryan, Jr.), 1 June 1987 through 31 October 1987. (Project 766190 - New)

\$10,000.00 - Martha Holden Jennings Foundation, Cleveland, Ohio, A Proposal to Improve Middle School Science Education in Mansfield, Mansfield Campus (J. Z. Tarino), 1 June 1987 through 30 June 1988. (Project 766101 - New)

\$7,692.00 - University of Wisconsin, Madison, Wisconsin, MUCIA/Indonesia Higher Education Project, Academic Affairs Administration (D. G. McCloud), 20 May 1987 through 30 September 1987. (Project 763978 - Continuation)

\$6,900.00 - Richland County Foundation, Mansfield, Ohio, A Proposal to Improve Middle School Science Education in Mansfield, Mansfield Campus (J. Z. Tarino) 1 June 1987 through 30 June 1988. (Project 766099 - New)

\$6,800.00 - Ohio River Basin Consortium, Columbus, Ohio, Ohio River Basin Consortium Agreement, School of Natural Resources and Department of Natural Resources - OARDC (C. B. Davis), 1 July 1987 through 30 June 1988. (Project 765812 - Continuation)

\$6,227.00 - United Nations, Geneva, Switzerland, Evaluation of Active Immunization with Synthetic Peptides of hCG as a Fertility Control

September 3 and 4, 1987 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)

Method, Department of Obstetrics and Gynecology (V. C. Stevens), 1 July 1986 through 30 June 1987. (Project 760113 - Continuation)

\$5,115.00 - The Edgar W. Ingram Foundation, Columbus, Ohio, The Critical Thinking Conference for Franklin County Junior and Senior High School Faculty and Staff, University College Administration (K. Laroe), 1 June 1987 through 31 December 1988. (Project 766178 - New)

\$5,000.00 - The Columbus Foundation, Columbus, Ohio, Kurt Jooss' The Green Table, Department of Dance (O. Blum), 1 December 1987 through 31 May 1988. (Project 766173 - New)

\$5,000.00 - University of Nebraska-Lincoln, Lincoln, Nebraska; and State of Ohio, Department of Education, Columbus, Ohio, National Career Guidance Consortium, The National Center for Research in Vocational Education (R. D. Ryan, Jr.), 1 July 1986 through 30 June 1987. (Project 765651 - Continuation)

\$3,000.00 - Infectious Diseases Society of America, Houston, Texas, President's Office of Infectious Diseases Society of America, Department of Internal Medicine (C. M. Kunin), 1 May 1987 through 30 April 1988. (Project 766110 - New)

\$2,928.00 - Arts Midwest, Minneapolis, Minnesota, Bill T. Jones/Arnie Zane and Company, Mershon Auditorium (T. M. Van Leer), 28 January 1988 through 29 January 1988. (Project 766100 - New)

\$2,000.00 - The Community College of the Air Force, Maxwell Air Force Base, Alabama, National Postsecondary Alliance, The National Center for Research in Vocational Education (R. D. Ryan, Jr.), 1 July 1986 through 30 June 1987. (Project 765434 - Continuation)

\$2,000.00 - Brevard Community College, Cocoa, Florida, National Alliance of Community and Technical Colleges, The National Center for Research in Vocational Education (R. D. Ryan, Jr.), 1 July 1987 through 30 June 1988. (Project 766171 - Continuation)

\$1,000.00 - Florida Department of Education, Tallahassee, Florida, National Entrepreneurship Education Consortium, The National Center for Research in Vocational Education (R. D. Ryan, Jr.), 1 July 1986 through 30 June 1987. (Project 765533 - Continuation)

\$500.00 - Northern Arizona University, Flagstaff, Arizona; and University of Nebraska-Lincoln, Lincoln, Nebraska, National Career Guidance Consortium, The National Center for Research in Vocational Education (R. D. Ryan, Jr.), 1 July 1986 through 30 June 1987. (Project 765651 - Continuation)

TOTAL - OTHER NON-FEDERAL AWARDS

\$2,217,578.00

September 3 and 4, 1987 meeting, Board of Trustees

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

ENGINEERING EXPERIMENT STATION

State Sponsored Research and Development

\$64,430.00 - The Ohio Department of Transportation, Columbus, Ohio, "A Study of Accident Experience in Construction and Maintenance Zones," Department of Civil Engineering, 1 July 1987 through 1 November 1988. (529732)

\$50,000.00 - Thomas A. Edison Program, Columbus, Ohio, and Plaskolite, Inc., Columbus, Ohio, "Optimization of Poly (methyl methacrylate) Bulk Polymerization," Department of Chemical Engineering, 1 June 1987 through 31 May 1988. (529731)

TOTAL - STATE SPONSORED RESEARCH \$ 114,430.00

Industrial and Other Sponsored Research and Development

\$90,393.00 - from 39 sponsors of 60 development projects under the direction of 5 department/research areas.

\$74,413.00 - Scientific Atlanta, Norcross, Georgia, "Research, Development and Measurement of a Target Support Pylon Terminator," Department of Electrical Engineering, 15 June 1987 through 14 November 1987. (312419)

\$53,250.00 - Edison Material Technology Center (EMTEC), Kettering, Ohio, "Macro and Microsegregation in Aluminum Alloy Castings," Department of Metallurgical Engineering, 15 May 1987 through 30 April 1989. (312423)

(\$52,500.00) - Funding transferred to The Ohio State University Research Foundation. Project transferred because of sponsor's request that project be "classified." (312414)

\$40,000.00 - from various industry for membership fees in the "Compact Range Consortium," Department of Electrical Engineering, 1 July 1987 through 30 June 1988. (312884)

\$36,000.00 - Edison Materials Technology Center (EMTEC), Kettering, Ohio, "Net Shape Manufacturing/Sheet Metal Forming," Department of Metallurgical Engineering, 1 April 1987 through 31 March 1988. (312417)

\$30,000.00 - Chemical Abstracts Service, Columbus, Ohio, "Design of General Hierarchy Interface System," Department of Industrial and Systems Engineering, 1 March 1987 through 30 September 1987. (312418)

\$28,900.00 - In second year funding from General Electric, Cincinnati, Ohio, "Fiber Matrix Interface in Oxide-Fiber Reinforced Ceramics," Department of Ceramic Engineering, 6 March 1986 through 31 December 1987. (529702, Ext. 2)

\$23,628.00 - Embassy of the Arab Republic of Egypt, Washington, DC, "Peace Fellows Shiha Eisa Mahfouz, Fathi Amer and Fawzy El Gamal," Department of Electrical Engineering, 1 June 1987 through 30 May 1988. (312420)

September 3 and 4, 1987 meeting, Board of Trustees

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

ENGINEERING EXPERIMENT STATION (contd)

Industrial and Other Sponsored Research and Development (contd)

\$23,000.00 - Additional funding from Southwest Research Institute, San Antonio, Texas, "A Fracture Mechanics Assessment of the Slow Crack Growth Test for Polyethylene Gas Pipes," Department of Engineering Mechanics, 15 April 1987 through 30 June 1987. (529727, Ext. 1)

\$10,809.00 - Embassy of the Arab Republic of Egypt, Washington, DC, "Peace Fellow Mohamed El Sherbini," Department of Chemical Engineering, 1 June 1987 through 30 May 1988. (312421)

\$10,010.00 - Additional funding from Battelle/GRI, Columbus, Ohio, "Heat Exchanger and Cycle Analysis for an Internal Combustion Engine Heat Pump," Department of Mechanical Engineering, 1 September 1986 through 31 December 1987. (312891, Ext. 1)

\$5,000.00 - Edison Welding Institute, Columbus, Ohio, "Development of Nondestructive Testing Techniques for Steel Water Heaters," Department of Welding Engineering, 15 May 1987 through 31 July 1987. (529730)

\$4,000.00 - from various industry for membership in "The Engineering Research Center on Net-Shape Manufacturing," Engineering Experiment Station. (529200)

TOTAL - INDUSTRIAL AND OTHER SPONSORED RESEARCH \$ 376,903.00

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND

Establishment of Named Fund

**The Huntington National Bank Fellows in
International Business and Foreign Language Study**

The Huntington National Bank Fellows in International Business and Foreign Language Study was established September 4, 1987, by the Board of Trustees of The Ohio State University with gift(s) to The Ohio State University Development Fund from The Huntington National Bank 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 shall be used to permit students majoring in the humanities with interest and supporting work in international business and trade to spend an academic year abroad to strengthen their fluency in a foreign language, knowledge of a foreign culture, and understanding of the workings and environment of international commerce.

At the time of application, students must: 1) be sophomores or juniors at The Ohio State University; 2) have completed a minimum of the first two years (six quarters or four semesters) of OSU foreign language study or its equivalent; and 3) have been admitted to, and be participants in good standing in the OSU "Capstone" program.

September 3 and 4, 1987 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

Establishment of Named Fund (contd)

**The Huntington National Bank Fellows in
International Business and Foreign Language Study (contd)**

The program will be coordinated through the OSU Foreign Language Center. Working with the home department, the appropriate foreign language department, the OSU Office of International Programs, and advisers from the community and the OSU College of Business, the Foreign Language Center and student applicants will identify programs in the country of choice that will provide both linguistic and academic advancement as well as work or internship-type experiences in the formal commercial business environment.

The first Huntington National Bank Fellows in International Business and Foreign Language Study Award will be made during the second year of the endowment. Awards of up to \$8,000 will be made every year thereafter. These awards will cover travel, tuition, and living costs, and will be made annually.

It is the desire of the donors that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in order to carry out the desire of the donors.

Change of Name and Description of Named Fund

Ralph and Estel Wenrick Scholarship Fund

The Ralph and Estelle Wenrick Scholarship Fund was established September 6, 1985, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from Marilyn P. Wenrick, B.S.Bus.Adm. '56, in memory of her parents, Ralph and Estel Wenrick. The name and description were changed September 4, 1987.

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 shall be used for scholarship awards to students attending The Ohio State University who have demonstrated (1) financial need, or (2) high degree of academic potential, or (3) scholastic ability, with priority of said three criteria to be in order as numerically indicated, who graduated from Tecumseh High School located in Clark County, Ohio. Selection of the award recipients shall be made by the University Committee on Student Financial Aid in consultation with the donor. Should the income from this fund not be awarded in any given year, then the income is to be added to the fund's principal.

Should Tecumseh High School cease to exist, then the award recipients shall be selected from students who have graduated from high school and

September 3 and 4, 1987 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)

Ralph and Estel Wenrick Scholarship Fund (contd)

who are from the same geographical district where students lived and attended Tecumseh High School. If no students apply for scholarship awards from the fund for a period of ten (10) consecutive years, then the income from this fund may be used for purposes consistent with the express wishes of the donor until such time as said students do apply.

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 aids.

Change in Description of Named Funds

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 Textron Corporation of Providence, Rhode Island. The description was changed September 4, 1987.

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 shall 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 Chairperson 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. The recipient is not required to take his or her graduate studies at The Ohio State University.

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.

Mary C. and Ezra Place Scholarship

The Mary C. and Ezra Place Scholarship was established September 2, 1971, by the Board of Trustees of The Ohio State University with a bequest

September 3 and 4, 1987 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

Change in Description of Named Funds (contd)

Mary C. and Ezra Place Scholarship (contd)

through the Development Fund from Mr. and Mrs. Ezra C. Place, late of Lima, Ohio. The description was changed September 4, 1987.

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 shall be used to award four scholarships of \$1,500.00 each to qualified students at the Lima Campus, or its successor, to be selected by the Trustees. Selection shall be made on the basis of merit, with preference being given to graduates of Lima Senior High School, Lima, Ohio; Shawnee High School, Lima, Ohio; Elida High School, Elida, Ohio; Bath High School, Lima, Ohio; and Perry High School, Lima, Ohio. Said scholarships may be granted to those graduates of the above mentioned schools who desire to attend any college or department of the University or any technical or trade school which may be a part of, or operated by or in connection therewith.

Payments shall be made from income, but the University may, in the discretion of the Trustees, invade the corpus to accomplish the purpose expressed herein.

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION

Report - July 1987

Federal Research Contracts/Grants

\$2,170,397.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, OSU Comprehensive Cancer Center Support (Core) Grant, Cancer Research Center (D. S. Yohn), 1 July 1987 through 30 June 1988. (Project 763976 - Continuation)

\$1,025,639.00 - Department of Education, Office of Special Education and Rehabilitation Services, Washington, D.C., Regional Resource Center, College of Education Administration (T. M. Stephens), 1 June 1987 through 31 May 1988. (Project 766183 - Continuation)

\$564,660.00 - Department of Health and Human Services, Public Health Service, Health Resources and Services Administration, Rockville, Maryland, Mental Retardation Training, Nisonger Center (G. E. Martin), 1 July 1987 through 30 June 1988. (Project 761169 - Continuation)

\$253,184.00 - National Science Foundation, Washington, D.C., Acquisition of a Fully Automated, Five Spectrometer Electron Probe Microanalyzer, Department of Geology and Mineralogy (M. Barton), 15 July 1987 through 31 December 1988. (Project 766262 - New)

September 3 and 4, 1987 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

\$175,000.00 - Department of Health and Human Services, Office of Human Development Services, Administration on Developmental Disabilities, Kansas City, Missouri, UAF (University Affiliated Facility) Administration and Operation, Nisonger Center (S. R. Schroeder), 1 July 1987 through 30 June 1988. (Project 763712 - Continuation)

\$167,044.00 - Department of Education, Office of Postsecondary Education, Washington, D.C., Upward Bound Program, Office of Minority Affairs (L. G. Morrow), 1 September 1987 through 31 August 1988. (Project 765655 - Continuation)

\$161,308.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Molecular and Function Analysis of Human Class 1 Heparin-Binding Growth Factor, Department of Internal Medicine and Cancer Research Center (I. M. Chiu), 1 July 1987 through 30 June 1988. (Project 766083 - New)

\$146,413.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Stereochemistry of Enzyme Reactions to Phosphorus, Department of Chemistry (M. D. Tsai), 1 July 1987 through 30 June 1988. (Project 762722 - Continuation)

\$139,796.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Imidazoline Analogs as Probes of A-Adrenoceptors, College of Pharmacy (D. D. Miller, P. N. Patil and D. R. Feller), 1 August 1987 through 31 July 1988. (Project 763483 - Continuation)

\$136,441.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Cholinergic Systems and 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP), Department of Pharmacology (N. H. Neff and M. H. Neff), 1 July 1987 through 30 June 1988. (Project 766209 - New)

\$130,096.00 - Department of Education, Rehabilitation Services Administration, Chicago, Illinois, Training Grant in Physical Medicine and Rehabilitation, Department of Physical Medicine (E. W. Johnson), 1 September 1987 through 31 August 1988. (Project 765014 - Continuation)

\$121,897.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Glycoconjugates and Glioma Resistance to Cytolysis, Department of Pathology (A. J. Yates), 1 August 1987 through 31 July 1988. (Project 762989 - Continuation)

\$116,749.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Developmental Plasticity of Descending Spinal Pathways, Department of Anatomy (G. F. Martin, Jr.), 1 July 1987 through 30 June 1988. (Project 766115 - 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)

\$107,106.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Cardiac Dysfunction and Sudden Death Modified by Exercise, Department of Physiology (G. E. Billman), 1 July 1987 through 30 June 1988. (Project 765510 - Continuation)

\$100,253.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Physiological Analysis of Optic Nerve Disease, College of Optometry (P. E. King-Smith), 1 August 1987 through 31 July 1988. (Project 763996 - Continuation)

\$94,000.00 - Department of Health and Human Services, Public Health Service, Alcohol, Drug Abuse and Mental Health Administration, Bethesda, Maryland, Training in Community Management of EDNR Children, Nisonger Center (D. Hammer) and Department of Pediatrics (J. A. Mulick), 1 August 1987 through 30 June 1988. (Project 765745 - Continuation)

\$93,462.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Neural Basis of Taste Elicited Ingestion and Rejection, Oral Biology (J. B. Travers), 1 August 1987 through 31 July 1988. (Project 765695 - Continuation)

\$90,638.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Uteroferrin Gene Expression During Fetal and Placental Development, Department of Animal Science - OARDC (R. C. M. Simmen), 1 July 1987 through 30 June 1988. (Project 765565 - Continuation)

\$85,190.00 - National Science Foundation, Washington, D.C., Gaseous and Aqueous Corrosion of Ceramics, Department of Ceramic Engineering (D. W. Readey), 1 July 1987 through 31 December 1988. (Project 765380 - Continuation)

\$85,000.00 - National Science Foundation, Washington, D.C., Magnetic Domain Wall Resonance and the Electric Field Shift of the Ferromagnetic, Department of Physics (P. E. Wigen), 1 July 1987 through 31 December 1988. (Project 766253 - New)

\$80,954.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Corneal Endothelial Pleomorphism from Contact Lenses, College of Optometry (J. P. Schoessler), 1 August 1987 through 31 July 1988. (Project 764852 - Continuation)

\$80,852.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Transfusion Medicine Academic Award NHLBI, Department of Pathology (M. S. Kennedy), 1 August 1987 through 31 July 1988. (Project 764898 - Continuation)

\$80,241.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Ethology of

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

Blood/Sugar Antagonism in Mosquitoes, Department of Entomology (W. A. Foster), 1 September 1987 through 31 August 1988. (Project 766238 - New)

\$77,615.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Aberrant Papovavirus Replication After Genotoxic Damage, Department of Radiology (R. M. Snapka), 1 July 1987 through 31 May 1988. (Project 766206 - New)

\$72,886.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, The Chemistry of Biologically Relevant Quinone Imines, Department of Chemistry (J. S. Swenton), 1 August 1987 through 31 July 1988. (Project 765570 - Continuation)

\$72,000.00 - National Science Foundation, Washington, D.C., Productive Versus Non-Productive Binding Kinases, Department of Chemistry (M. D. Tsai), 1 September 1987 through 28 February 1989. (Project 765630 - Continuation)

\$69,677.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Regulation of Human Decidual Prolactin, Department of Internal Medicine (R. D. Jackson), 1 July 1987 through 30 June 1988. (Project 766234 - New)

\$61,000.00 - National Science Foundation, Washington, D.C., Statistical Studies of the Genetic Effects Caused by Population Bottlenecks, Department of Molecular Genetics (P. A. Fuerst), 1 November 1987 through 31 October 1988. (Project 764659 - Continuation)

\$60,792.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Calcium and Calmodulin in Smooth Muscle Contraction, Department of Physiological Chemistry (J. D. Johnson), 1 July 1987 through 30 June 1988. (Project 764737 - Continuation)

\$60,609.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Specific Analysis of Cardiac Glycosides in Patient Serum, College of Pharmacy (R. H. Reuning), 1 July 1987 through 30 June 1988. (Project 765511 - Continuation)

\$59,883.00 - National Aeronautics and Space Administration, Langley Research Center, Hampton, Virginia, Space Station Antenna Design Studies, Department of Electrical Engineering, ElectroScience Laboratory (E. H. Newman), 1 June 1987 through 31 May 1988. (Project 761012 - Continuation)

\$56,489.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Collaborative Ocular Melanoma Study -- Clinical Center, Department of Ophthalmology (F. H. Davidorf), 1 August 1987 through 31 July 1988. (Project 765050 - 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)

\$52,553.00 - National Science Foundation, Washington, D.C., Turbidity and Open-Water Planktivores: Their Influence on Size-Structured Interactions Among Centrarchid Fishes, Department of Zoology (R. A. Stein), 1 August 1987 through 31 July 1989. (Project 766271 - New)

\$52,490.00 - National Aeronautics and Space Administration, Goddard Space Flight Center, Greenbelt, Maryland, Improvement of the Earth's Gravity Field from Terrestrial and Satellite Data, Department of Geodetic Science and Surveying (R. H. Rapp), 1 August 1987 through 31 July 1988. (Project 760056 - Continuation)

\$50,000.00 - National Aeronautics and Space Administration, Lewis Research Center, Cleveland, Ohio, Adaptive Arrays for Satellite Communication, Department of Electrical Engineering, ElectroScience Laboratory (I. J. Gupta), 20 July 1987 through 20 December 1987. (Project 764040 - Continuation)

\$50,000.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, Problems in Unsteady Boundary Layer Theory and Scattering Theory, Department of Mathematics (G. Majda), 1 September 1986 through 31 August 1987. (Project 765969 - New)

\$49,610.00 - National Aeronautics and Space Administration, Langley Research Center, Hampton, Virginia, Research on Analysis of Large Aperture Reflector Antennas, Department of Electrical Engineering, ElectroScience Laboratory, (R. Rudduck), 28 May 1987 through 31 August 1988. (Project 763724 - Continuation)

\$48,811.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Isokinetic Analysis of Inspiratory Muscle Function, Department of Internal Medicine (T. L. Clanton), 1 July 1987 through 30 June 1988. (Project 764819 - Continuation)

\$46,286.00 - Department of Energy, Argonne, Illinois, Molecular Orbital Studies of the Bonding in Heavy Element Organometallics, Department of Chemistry (B. Bursten), 1 July 1987 through 30 June 1988. (Project 765484 - Continuation)

\$45,360.00 - National Science Foundation, Washington, D.C., Estimating Equilibrium Search Models, Center for Human Resource Research (K. I. Wolpin), 15 July 1987 through 30 June 1988. (Project 766228 - New)

\$44,000.00 - National Science Foundation, Washington, D.C., Engineering Research Equipment Grant: Laser Raman Spectrometer, Department of Chemical Engineering (U. Ozkan), 15 July 1987 through 31 December 1988. (Project 766232 - New)

\$34,900.00 - National Science Foundation, Washington, D.C., Research in Algebraic and Differential Topology, Department of Mathematics (R. M. Charney and M. W. Davis), 1 July 1987 through 31 December 1988. (Project 765576 - 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)

\$33,902.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Escherichia coli Verotoxins and HEp-2 Adhesion, Department of Veterinary Preventive Medicine (C. R. Dorn), 1 September 1987 through 31 August 1988. (Project 766222 - New)

\$31,250.00 - National Science Foundation, Washington, D.C., Research Experiences of Undergraduates: Site at The Ohio State University, Department of Chemistry (R. M. Mayer), 1 July 1987 through 31 December 1988. (Project 766230 - New)

\$30,000.00 - National Science Foundation, Washington, D.C., Bulk Metal Particle -- Superconducting Ceramic Composite, Department of Physics (J. C. Garland), 15 July 1987 through 31 December 1988. (Project 766246 - New)

\$29,740.00 - National Science Foundation, Washington, D.C., Paleobotany in Antarctica and Its Relationship to Reconstructions of Gondwanaland, Byrd Polar Research Center (T. N. Taylor and E. L. Taylor) and Department of Botany (T. N. Taylor), 1 August 1987 through 31 July 1988. (Project 766268 - New)

\$25,000.00 - Department of the Army, Army Research Office, Research Triangle Park, North Carolina, The Chemistry of Hexaazotriphenylene Hexanitile, A Polyfunctional Heterocycle with Potential Utility in the Formulation of Thermostable Polymers, Department of Chemistry (A. W. Czarnik), 1 August 1987 through 30 November 1987. (Project 764885 - Continuation)

\$25,000.00 - National Science Foundation, Washington, D.C., Presidential Young Investigator Award, Department of Civil Engineering (M. R. McGord), 15 July 1987 through 31 December 1988. (Project 766242 - New)

\$24,500.00 - National Aeronautics and Space Administration, Goddard Space Flight Center, Greenbelt, Maryland, Emission-Line Region Variability: Optical and Ultraviolet Emission-Line Variability in the Seyfert I Galaxy, Department of Astronomy (B. M. Peterson and G. J. Ferland), 1 August 1987 through 31 July 1988. (Project 765542 - Continuation)

\$19,844.00 - Department of the Air Force, Air Force Systems Command, Bolling Air Force Base, D.C., Motion and Stability of Saturated Soil Systems Under Dynamic Loading, Department of Civil Engineering (W. E. Wolfe and R. S. Sandhu), 15 July 1987 through 29 February 1988. (Project 763420 - Continuation)

\$19,681.00 - National Science Foundation, Washington, D.C., Purchase of an Electron Paramagnetic Resonance Spectrometer, Department of Physiological Chemistry, (C. R. Hille), 1 July 1987 through 31 December 1989. (Project 766221 - New)

\$19,583.00 - National Science Foundation, Washington, D.C., Contributions to the Study of the Non-Commutative Chern Character, Department of

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

Mathematics (H. Moscovici), 15 July 1987 through 30 September 1988.
(Project 766273 - New)

\$17,500.00 - Department of the Air Force, Air Force Systems Command, Bolling Air Force Base, D.C., Theory System Reliability Demonstration and Burn-in Design, Department of Statistics (S. Blumenthal), 1 August 1987 through 31 October 1987. (Project 766252 - New)

\$10,022.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Platelet Ionized Calcium Aggregometer, Model 660 and PC-Based Molecular Modeling System, College of Pharmacy (D. S. Pathak), 1 July 1987 through 30 June 1988. (Project 766203 - New)

\$9,997.00 - Department of the Army, Army Corps of Engineers, Fort Belvoir, Virginia, Investigation of Alternate Methods of Collecting Global Positioning Survey Data, Department of Geodetic Science and Surveying (C. C. Goad), 13 July 1987 through 12 September 1987. (Project 766243 - New)

\$5,000.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Small Instrumentation Program, College of Optometry (F. W. Hebbard), 1 August 1987 through 31 July 1988. (Project 766263 - New)

\$4,500.00 - National Aeronautics and Space Administration, Lewis Research Center, Cleveland, Ohio, Nuclear Irradiation, Engineering Experiment Station (J. W. Tainagi), 1 December 1986 through 30 November 1987. (Project 766179 - New)

\$4,000.00 - National Science Foundation, Washington, D.C., Relativistic Optical Model at Intermediate Energies, Department of Physics (B. C. Clark), 1 July 1987 through 31 December 1988. (Project 765350 - Continuation)

\$4,000.00 - National Science Foundation, Washington, D.C., Structure, Dynamic Behavior, and Synthesis of Selected Solvated Carbanionic Substances, Department of Chemistry (G. A. Fraenkel), 1 June 1987 through 31 May 1988. (Project 765472 - Continuation)

\$4,000.00 - National Science Foundation, Washington, D.C., A Cooperative Paleoclimatic Study of the Dunde Ice Cap and Its Relationship to Global Climatic Variability, Byrd Polar Research Center (L. G. Thompson and E. Mosley-Thompson), 1 May 1987 through 30 April 1988. (Project 765310 - Continuation)

\$2,600.00 - National Science Foundation, Washington, D.C., Synthetic Catalysts Based on Reversible Covalent Bond Formation, Department of Chemistry (A. W. Czarnik), 1 June 1987 through 31 August 1988. (Project 765171 - 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)

Computer Time - National Science Foundation, Washington, D.C., Development and Applications of Fully Symmetry-Adapted Electronic Structure Programs, Department of Chemistry (R. M. Pitzer), 15 June 1987 through 15 June 1988. (Project 766270 - New) (Approximate Dollar Value - \$18,000)

TOTAL - FEDERAL AWARDS

\$7,591,400.00

State of Ohio Research Contracts/Grants

\$762,705.42 - State of Ohio, Department of Education, Columbus, Ohio, Vocational Education Contracts - C - Vocational Education Support, College of Education - Administration (J. J. Buffer), 1 July 1987 through 30 June 1988. (Project 766249 - New)

\$568,968.55 - State of Ohio, Department of Education, Columbus, Ohio, Vocational Education Contracts - D - General Vocational Support, College of Education - Administration (J. J. Buffer), 1 July 1987 through 30 June 1988. (Project 766250 - New)

\$556,878.80 - State of Ohio, Department of Education, Columbus, Ohio, Vocational Education Contracts - E - Instructional Materials Lab, College of Education - Administration (J. J. Buffer), 1 July 1987 through 30 June 1988. (Project 766251 - New)

\$447,445.61 - State of Ohio, Department of Education, Columbus, Ohio, Vocational Education Contracts - B - Research Coordination, College of Education Administration (J. J. Buffer), 1 July 1987 through 30 June 1988. (Project 766248 - New)

\$256,750.00 - State of Ohio, Department of Education, Columbus, Ohio, Southwest Vocational Education Personnel Development Regional Center, Department of Agricultural Education (R. K. Barrick and L. H. Newcomb), Department of Educational Policy and Leadership (A. J. Miller) and Department of Home Economics Education (S. V. Redick), 1 July 1987 through 30 June 1988. (Project 766226 - New)

\$247,890.62 - State of Ohio, Department of Education, Columbus, Ohio, Vocational Education Contracts - A - Teacher Education (Itinerant), Department of Educational Theory and Practice (A. J. Miller and G. Jarvis), 1 July 1987 through 30 June 1988. (Project 766247 - New)

\$222,000.00 - State of Ohio, Department of Natural Resources, Columbus, Ohio, Ecology and Population Dynamics of Lake Erie Fishes, Department of Zoology (T. A. Bookhout), 1 July 1987 through 30 June 1988. (Project 766201 - New)

\$218,000.00 - State of Ohio, Department of Natural Resources, Columbus, Ohio, Evaluation of Fish Management Techniques, Department of Zoology (T. A. Bookhout, R. A. Stein and D. A. Culver) and Department of Natural Resources (D. L. Johnson), 1 July 1987 through 30 June 1988. (Project 766202 - 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)

\$214,750.00 - State of Ohio, Department of Education, Columbus, Ohio, Central Vocational Education Personnel Development Regional Center, Department of Agricultural Education (R. K. Barrick and L. H. Newcomb), Department of Educational Policy and Leadership (A. J. Miller) and Department of Home Economics Education (S. V. Redick), 1 July 1987 through 30 June 1988. (Project 766218 - New)

\$59,670.00 - State of Ohio, Department of Education, Columbus, Ohio, State Superintendent's Task Force for Preparing Special Education Personnel, College of Education - Administration (T. M. Stephens), 1 July 1987 through 30 June 1988. (Project 766265 - Continuation)

\$52,574.00 - State of Ohio, Department of Natural Resources, Columbus, Ohio, Elimination of Water Pollution by Controlled Flooding of Abandoned Underground Coal Mines, Division of Mining Engineering (J. Gozon, S. S. Lukovic, C. J. Konya and R. G. Lundquist), Department of Civil Engineering (V. T. Ricca) and Department of Chemical Engineering (E. E. Smith), 9 July 1987 through 8 August 1988. (Project 766233 - New)

\$2,375.00 - State of Ohio, Department of Human Services, Columbus, Ohio, Assessment and Placement Issues Involved in Adoption of Developmentally Disabled Children, Nisonger Center (S. R. Schroeder), 1 June 1987 through 30 September 1987. (Project 766229 - New)

\$500.00 - State of Ohio, Department of Development, Columbus, Ohio, Characterization of Tissue Specific Drug Delivery Liposomes, Electron Microscope Laboratory - OARDC (R. E. Whitmoyer), 1 April 1986 through 31 May 1987. (Project 765221 - Continuation)

\$402.81 - State of Ohio, Department of Education, Columbus, Ohio, Ohio Education Deans' Task Force Project, Department of Human Services Education (T. M. Stephens), 1 July 1986 through 30 June 1987. (Project 764196 - Continuation)

TOTAL - STATE OF OHIO AWARDS

\$3,610,910.81

Industrial Research Contracts/Grants

\$220,273.00 - Upjohn Company, Kalamazoo, Michigan, Acute Hemodynamic Study of Single, Oral Doses of Nicorandil in Patients with Congestive Heart Failure Using Right Heart Catheterization, Department of Internal Medicine (C. V. Leier), 1 July 1987 through 30 June 1989. (Project 766256 - New)

\$70,000.00 - Land-O-Lakes Research Farm, Webster City, Iowa, Immune Responses to Rotavirus in Cows and Passive Protection in Calves, Food Animal Health and Research Program - OARDC (L. J. Saif), 1 July 1987 through 30 June 1988. (Project 766223 - New)

\$41,957.00 - General Electric Company, Mojave, California, A Model Test Program for the Thrust Reverser Hot Gas Deflector System, Department of Aeronautical and Astronautical Engineering (R. J. Freuler), 15 July 1987 through 6 October 1987. (Project 766239 - New)

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Industrial Research Contracts/Grants (contd)

\$34,000.00 - Duphar, B.V., Weesp, Holland, Duphar-PTRI Collaborative Research, College of Pharmacy (D. T. Witiak), 1 July 1987 through 30 June 1988. (Project 766114 - New)

\$16,310.00 - FMC Corporation, Philadelphia, Pennsylvania, Micro-crystalline Cellulose Stabilized Emulsions, College of Pharmacy (S. Frank), 15 May 1987 through 14 May 1988. (Project 764077 - Continuation)

\$15,730.00 - Fidia, Abano Terme (PD), Italy, Consequences of Administering Ganglioside (GMI) or Synthetic Ganglioside (AGF2) After 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP) Induced Neurotoxicity, Department of Pharmacology (N. H. Neff), 1 April 1986 through 31 March 1988. (Project 765423 - Continuation)

\$15,200.00 - Warner-Lambert Company, Ann Arbor, Michigan, Immunosuppression Studied on Pentostatin, Department of Internal Medicine (E. H. Kraut), 1 June 1987 through 30 September 1988. (Project 766208 - New)

\$11,000.00 - International Clinical Laboratories, Inc., Nashville, Tennessee, Feasibility Study on the Application of the Scanning Laser Imaging Instrument for Quantitative Immunofluorescence Analysis of Biological Material, Cancer Research Center (L. D. Tomei), Department of Veterinary Pathobiology (J. R. Blakeslee), Department of Internal Medicine (M. F. Para) and College of Pharmacy (J. M. Jagadeesh), 1 March 1987 through 31 August 1987. (Project 766007 - Continuation)

\$10,000.00 - Agri-Diagnostics Associates, Cinnaminson, New Jersey, A Monoclonal Antibody Based Sero-diagnostic Assay to Detect Xanthomonas campestris pv. pelargonii in Bacterial Wilt Infected Geraniums, Department of Plant Pathology - OARDC and Department of Plant Pathology (S. T. Nameth), 1 July 1987 through 30 June 1988. (Project 766217 - New)

\$7,200.00 - Eli Lilly and Company, Indianapolis, Indiana, Eli Lilly Predoctoral Fellowship, Department of Physiology (J. D. Wood), 1 September 1987 through 31 August 1988. (Project 766236 - New)

\$4,641.00 - AT&T Bell Laboratories, Columbus, Ohio, Improving the Written Communication Skills of Nonnative Speakers of English in the Work Setting Through Individualized Tutorial, Department of English/Second Language (R. N. Kantor), 1 July 1987 through 30 September 1987. (Project 766216 - Continuation)

\$3,434.00 - Apple Computer, Inc., Cupertino, California, Apple Classroom of Tomorrow, Department of Educational Theory and Practice (R. J. Tierney), 1 June 1987 through 31 May 1988. (Project 766266 - New)

Equipment - Trimble Navigation, Limited, Sunnyvale, California, Center for Commercialization of Space Membership Agreement, Center for Mapping (J. D. Bossler), 1 July 1987 through 30 June 1992. (Project 766219 - New) (Approximate Dollar Value - \$195,750)

TOTAL - INDUSTRIAL AWARDS

\$ 449,745.00

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Other Non-Federal Research Contracts/Grants

\$453,497.00 - University of Pennsylvania, Philadelphia, Pennsylvania, Conducting Electronic Polymers by Non-Redox Processes Synthesis, Physical Studies and Application, Department of Physics (A. J. Epstein), 1 March 1987 through 30 September 1987. (Project 765670 - Continuation)

\$232,340.00 - Brookhaven National Laboratory, Upton, Long Island, New York, Boron-Neutron Capture Therapy of Cancer, Department of Pathology (R. F. Barth), College of Pharmacy (A. H. Soloway), Department of Mechanical Engineering (T. Aldemir and T. E. Blue), Department of Neurology (N. R. Clendenon) and Department of Surgery (J. H. Goodman), 19 May 1987 through 31 December 1987. (Project 766081 - New)

\$80,000.00 - The Rockefeller Foundation, New York, New York, International Network on Antibiotic Use, Department of Internal Medicine (C. M. Kumin), 1 July 1987 through 30 June 1988. (Project 765560 - Continuation)

\$50,000.00 - American Cancer Society, New York, New York, American Cancer Society Institutional Research Grant, Cancer Research Center (D. S. Yohn), 1 July 1987 through 30 June 1988. (Project 764472 - Continuation)

\$48,184.00 - Battelle Memorial Institute, Columbus, Ohio, Chronic Toxicity Tests of Sodium Fluoride -- Histopathology of Teeth and Bones, Department of Veterinary Pathobiology (S. E. Weisbrode), 1 October 1985 through 14 May 1988. (Project 765113 - Continuation)

\$47,282.00 - University of Washington, Seattle, Washington, Communicative Interactions in Main Stream Settings, Nisonger Center (S. R. Schroeder), 1 July 1987 through 30 June 1988. (Project 766225 - New)

\$37,500.00 - University of Rochester, Rochester, New York, Parkinson's Study Group, Department of Neurology (G. W. Paulson), 1 April 1987 through 31 March 1988. (Project 766244 - New)

\$35,998.00 - University of Maine at Orono, Orono, Maine, Glaciological Work at the Jakobshavns Glacier Area of Greenland, Byrd Polar Research Center (D. H. Elliot and H. H. Brecher), 1 May 1987 through 30 April 1988. (Project 764717 - Continuation)

\$32,594.00 - University of California, Santa Barbara, California, The Processing and Mechanical Properties of High Performance Materials, Department of Metallurgical Engineering (J. P. Hirth), 15 March 1987 through 14 October 1987. (Project 765876 - Continuation)

\$27,200.00 - March of Dimes Birth Defects Foundation, White Plains, New York, Molecular Studies of Type II DNA Topoisomerases from Avian Embryos and Tumor Cells: Gyration of Active Genes, Department of Microbiology (M. T. Muller), 1 July 1987 through 30 June 1988. (Project 765564 - Continuation)

\$25,812.00 - American Institute of Indian Studies, Minneapolis, Minnesota, American Institute of Indian Studies Center for Art and

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THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Other Non-Federal Research Contracts/Grants (contd)

Archaeology, Department of History of Art (S. L. Huntington), 1 January 1987 through 31 August 1987. (Project 766037 - Continuation)

\$25,000.00 - American Society for Mass Spectroscopy, East Lansing, Michigan, Supercritical Fluid -- Electrospray Ionization Mass Spectroscopy, Department of Chemistry (S. V. Olesik), 1 June 1987 through 31 May 1988. (Project 766204 - New)

\$25,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Heart Z-line: Quantitative Determination of Proteins, Department of Veterinary Anatomy (M. Yamaguchi), 1 October 1987 through 30 September 1988. (Project 766235 - New)

\$23,802.00 - Argonne National Laboratory, Argonne, Illinois, An Internship Program on the Three-Dimensional Single Phase Thermal Hydrolics Code COMMIX-1A, Department of Mechanical Engineering (T. Aldemir), 24 June 1987 through 15 July 1988. (Project 766210 - New)

\$22,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Total Artificial Heart: Central and Peripheral Vascular Effects, Department of Surgery (K. D. Murray) and Department of Internal Medicine (P. F. Binkley), 1 July 1987 through 30 June 1988. (Project 766227 - New)

\$22,000.00 - Eleven Members of the National Alliance of Community and Technical Colleges, The National Center for Research in Vocational Education (R. D. Ryan, Jr.), 1 July 1987 through 30 June 1988. (Project 766171 - Continuation)

\$18,533.00 - Ohio Cancer Research Associates, Columbus, Ohio, Development of Solid-Phase Immunoassays for Human Deoxynucleoside Kinase Isoenzymes, Department of Biochemistry (D. Ives), 1 July 1987 through 30 June 1988. (Project 765465 - Continuation)

\$17,202.00 - Ohio Cancer Research Associates, Columbus, Ohio, Cyclic AMP Dependent Protein Kinase, Regulation of Macrophage Antitumor Activity, Department of Microbiology (B. S. Zwilling), 1 July 1987 through 30 June 1988. (Project 765470 - Continuation)

\$16,074.00 - American Lung Association of Ohio, Columbus, Ohio, The Role of Work Related Factors and Coping Responses in Tobacco Abstinence, Department of Life Span Process (M. E. Wewers), 1 July 1987 through 30 June 1988. (Project 766237 - New)

\$15,000.00 - Deafness Research Foundation, New York, New York, Fourth International Symposium and Research Conference on Otitis Media, Department of Otolaryngology (D. J. Lim), 18 May 1987 through 30 September 1987. (Project 766213 - New)

\$15,000.00 - Cooley's Anemia Foundation, Inc., New York, New York, Characterization of Large Deletion of Alpha-thalassemias, Department of Biochemistry (E. F. Vanin), 1 July 1987 through 30 June 1988. (Project 766264 - New)

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Other Non-Federal Research Contracts/Grants (contd)

\$14,498.00 - North Carolina Department of Public Education, Raleigh, North Carolina, Consortium for the Development of Professional Materials for Vocational Education, The National Center for Research in Vocational Education (R. D. Ryan, Jr.), 15 September 1987 through 30 June 1988. (Project 766255 - Continuation)

\$12,425.00 - Yassenoff Foundation, Columbus, Ohio, Using Robotic Devices as Physical and Cognitive Prosthetic Aids, Department of Educational Theory and Practice (R. Howell), 1 August 1987 through 31 July 1988. (Project 766267 - New)

\$10,864.00 - University of Wisconsin-Madison, Madison, Wisconsin, Midwest Universities Consortium for International Activities, Inc. -- Indonesia Program in Geodesy, Surveying, Photogrammetry and Cartography, Department of Geodetic Science and Surveying (I. I. Mueller), 1 July 1987 through 31 August 1987. (Project 765395 - Continuation)

\$10,000.00 - North Central Regional Educational Laboratory, Elmhurst, Illinois, Coordination and Documentation of Major Reform Efforts in Teacher Education in the Midwest, College of Education - Administration (D. P. Anderson), 1 July 1986 through 30 June 1987. (Project 766259 - New)

\$10,000.00 - American Cancer Society, Ohio Division, Inc., Cleveland, Ohio, Genetic Analysis of Continuous Expression of I-A by Mononuclear Phagocytes, Department of Microbiology (B. S. Zwilling), 1 July 1987 through 30 June 1988. (Project 766220 - New)

\$9,291.00 - American Cancer Society, Ohio Division, Inc., Cleveland, Ohio, Evaluation of Interleukin-2 and Cyclophosphamide in the Treatment of Minimal Residual Disease Metastatic to Liver, Department of Surgery (J. Minton), 1 July 1987 through 30 June 1988. (Project 766260 - New)

\$6,210.00 - Technical Foundation of America, San Marcos, Texas, The History of Industrial Education: Videotaped Interviews with Retired Leaders, Department of Educational Theory and Practice (E. K. Blankenbaker), 1 July 1987 through 31 December 1988. (Project 766211 - New)

\$5,418.00 - American Lung Association of Ohio, Columbus, Ohio, The Effect of Oxidant Injury on Oxygen Uptake-Oxygen Delivery Relationships in the Isolated Perfused Liver, Department of Internal Medicine (P. M. Dorinsky), 1 July 1987 through 30 June 1988. (Project 766166 - Continuation)

\$5,000.00 - Emergency Medicine Foundation, Dallas, Texas, The Effect of Norepinephrine on Regional Myocardial and Cerebral Blood Flow During Cardiopulmonary Resuscitation, Department of Preventive Medicine (C. G. Brown), 1 July 1987 through 30 June 1988. (Project 766231 - New)

\$5,000.00 - American College of Clinical Pharmacy Research Institute, Kansas City, Missouri, The Effect of Interferon on Antipyrine Metabolism

September 3 and 4, 1987 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)

in Man, College of Pharmacy (J. A. Reitz), 1 July 1987 through 30 June 1988. (Project 766215 - New)

\$5,000.00 - American Heart Association, Ohio Affiliate, Inc., Columbus, Ohio, Atrial Natriuretic Peptide Pre- and Post-Cardiac Treatment, Department of Internal Medicine (D. V. Unverferth), 1 July 1987 through 30 June 1988. (Project 766241 - New)

\$2,000.00 - California State Beekeepers Association, Inc., Red Bluff, California, A Genetic Study of Honey Bee Resistance to the Tracheal Mite Acarapis woodi, Department of Entomology (R. E. Page, Jr.), 1 June 1987 through 31 May 1988. (Project 766214 - New)

\$2,000.00 - Commonwealth of Virginia, State Board of Education, Richmond, Virginia, National Entrepreneurship Education Consortium, The National Center for Research in Vocational Education (R. D. Ryan, Jr.), 1 July 1987 through 30 June 1988. (Project 766207 - Continuation)

\$1,748.00 - Franklin County Mental Retardation and Developmental Disabilities Board, Columbus, Ohio, Early Childhood Classes, Nisonger Center (S. R. Schroeder), 1 October 1986 through 30 September 1987. (Project 765358 - Continuation)

\$504.00 - Cancer Therapy and Research Foundation of South Texas, San Antonio, Texas, Multidisciplinary Participation in the Cancer Control Activities of the Southwest Oncology Group, Department of Internal Medicine (S. P. Balcerzak), 1 February 1985 through 30 June 1988. (Project 765208 - Continuation)

TOTAL - OTHER NON-FEDERAL AWARDS \$1,369,976.00

ENGINEERING EXPERIMENT STATION

Industrial and Other Sponsored Research and Development

\$50,000.00 - EMTEC, Kettering, Ohio, "Composite Surface Coatings for Metals," Department of Metallurgical Engineering, 15 June 1987 through 15 December 1988. (312422)

\$50,000.00 - Edison Welding Institute, Columbus, Ohio, "Evaluation of Weldability Testing Equipment," Department of Welding Engineering, 1 July 1987 through 30 June 1988.

\$45,413.00 - from 40 sponsors of 49 development projects in 2 research areas of the College of Engineering.

\$44,150.00 - Edison Welding Institute, Columbus, Ohio, "Welding Thermoplastics," Department of Welding Engineering, 1 July 1987 through 30 June 1988. (529287)

\$40,790.00 - Edison Welding Institute, Columbus, Ohio, "Joining of Metal Matrix Composites," Department of Welding Engineering, 1 July 1987 through 30 June 1988. (529286)

September 3 and 4, 1987 meeting, Board of Trustees

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

ENGINEERING EXPERIMENT STATION (contd)

Industrial and Other Sponsored Research and Development (contd)

\$38,500.00 - Edison Welding Institute, Columbus, Ohio, "Mechanisms of Adhesion on Ceramic Joints," Department of Ceramic Engineering, 1 July 1987 through 30 June 1988. (529277)

\$31,000.00 - Edison Welding Institute, Columbus, Ohio, "Investigation of Sub GTAW Process," Department of Welding Engineering, 1 July 1987 through 30 June 1988. (529289)

\$30,000.00 - Edison Welding Institute, Columbus, Ohio, "Fluid Flow Modeling," Department of Mechanical Engineering, 1 July 1987 through 30 June 1988. (529285)

\$22,000.00 - Edison Welding Institute, Columbus, Ohio, "Hydrogen Cracking in Low Carbon Steels," Department of Welding Engineering, 1 July 1987 through 30 June 1988. (529276)

\$20,000.00 - Southwest Research Institute, San Antonio, Texas, "A Fracture Mechanics Assessment of the Slow Crack Growth Test for Polyethylene Gas Pipes," Department of Engineering Mechanics, 15 April 1987 through 15 August 1987. (529727 - Ext. 2)

TOTAL - INDUSTRIAL AND OTHER SPONSORED RESEARCH \$ 371,853.00

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND

Establishment of Named Funds

The Denver Collins, Jr., Scholarship Fund

The Denver Collins, Jr., Scholarship Fund was established September 4, 1987, by the Board of Trustees of The Ohio State University with gifts from the Collins family in honor of their father, Denver Collins, Jr. (B.C.E. '56).

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.

Ninety percent of the annual income shall be used to provide one or more scholarships to Ohio residents who are Civil Engineering juniors or seniors majoring in the area of construction management. Selection will be based upon leadership qualities and scholastic excellence. Seniors selected will be able to apply their awards toward their graduate engineering education at The Ohio State University, but the awards will not exceed the then current full tuition fees for undergraduates. Ten percent of the annual income and any other unused income will be reinvested in the fund's principal. Selection of the Denver Collins, Jr., Scholar will be made by the Chairperson of the Department of Civil Engineering upon recommendation of the construction engineering faculty in consultation with the University Committee on Student Financial Aid. The Civil Engineering faculty annually will notify the benefactors of The

September 3 and 4, 1987 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 Denver Collins, Jr., Scholarship Fund (contd)

Denver Collins, Jr., Scholarship Fund on the status of the fund and the use of its income. Recipients are to be named annually, but may be eligible to compete for renewed awards.

It is the desire of the donors that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in order to carry out the desire of the donors.

Horse Production and Management Educational Fund

The Horse Production and Management Educational Fund was established September 4, 1987, by the Board of Trustees with gifts to The Ohio State University Development Fund from alumni and friends of the Agricultural Technical Institute, Wooster, Ohio.

Horse Production and Management Technology is one of seventeen technical programs offered by the Agricultural Technical Institute and has, since its inception in 1972, provided hundreds of two-year Associate Degree graduates to employers in Ohio and throughout the United States. Students in the ATI Horse Production and Management Technology gain hands-on experience in working with all sectors of the horse industry. They utilize Standardbreds, Thoroughbreds, Quarter Horses, Arabians, Morgans, and Paints, as well as Belgians and Percherons in their studies. Students receive technical, as well as general education with emphasis on genetics and breeding, nutrition and feeding, anatomy, physiology of reproduction, breaking, training, riding, driving, stabling, grooming, and the general care of stallions, mares, and foals. Income from this Endowment will be utilized to enhance the scope and effectiveness of the ATI Horse Production and Management 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 annual income shall be used to enhance the Agricultural Technical Institute's Horse Production and Management Program and to improve the drawing power of that Program, as well as the drawing power of all areas of study at the Agricultural Technical Institute. Decisions as to use of the annual income from this fund shall be vested in the Director, Agricultural Technical Institute, following consultation with the faculty and staff of the Horse Production and Management Program.

It is the desire of the donors that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in order to carry out the desire of the donors.

September 3 and 4, 1987 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 Poland Lectures in Music Theory

The William Poland Lectures in Music Theory was established September 4, 1987, by The Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from the family of William Poland (Ph.D. 1960), Professor Emeritus in the School of Music.

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 shall be used to provide an honorarium and expenses to one or more eminent scholars from any discipline who will lecture on a topic of critical importance to scholarship in the theory of music. The recipient(s) will be determined by the music theorists in the Division of Music Theory and Composition, in consultation with the division chairperson and the chairperson of the Cazden/Poland Collection advisory committee.

It is the desire of the donors that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in order to carry out the desire of the donors.

The Hermann Meyer Veterinary Anatomy Award

The Hermann Meyer Veterinary Anatomy Award was established September 4, 1987, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from Marti Gantenbein Meyer and Hermann Meyer.

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 shall be used to provide funds for annual awards to one or more freshman veterinary students selected by the faculty members in the Department of Veterinary Anatomy and approved by the Dean of the College of Veterinary Medicine. The chosen student or students should be seriously dedicated to obtaining a thorough, sound, biomorphological background for their veterinary medical education, and have shown a genuine interest in excellent performance in veterinary anatomy during their first year at the College of Veterinary Medicine.

It is the desire of the donors that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in order to carry out the desire of the donors.

September 3 and 4, 1987 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY FOUNDATION

Approval of Description and Establishment of Fund

The College of Nursing Endowment

The College of Nursing Endowment was established September 4, 1987, by the Board of Trustees of The Ohio State University through funds received by the University from The Ohio State University Foundation, which has established an endowed fund with gifts designated for The Ohio State University College of Nursing.

Income provided by the Foundation shall be used at the discretion of the Dean of the College of Nursing for new incentives within the college. The funds may be used for, but are not limited to, scholarships, equipment, scholastic achievement awards, and faculty/staff development or to assist in the support of a named professorship, endowed chair, visiting professorship, designated chair, designated professorship or visiting lecturer.

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**EMPLOYMENT OF ARCHITECT/ENGINEER
MENDENHALL LABORATORY RENOVATION (PLANNING ONLY)**

Resolution No. 88-21

Synopsis: Authorization to employ an architectural/engineering firm is proposed.

WHEREAS construction of additional floors for Mendenhall Laboratory is anticipated to provide more classrooms, research offices, and several laboratories for the Geology Department and Institute for Polar Studies, with some classrooms to be assigned to the classroom pool; and

WHEREAS a complete upgrading and/or replacement of all service systems and windows, together with a new chiller plant, will be necessary; and

WHEREAS \$200,000.00 will be made available from University funds for initial planning for this project with construction funds anticipated to be requested in the next biennial Higher Education Capital Improvements Bill;

NOW THEREFORE

BE IT RESOLVED, That the President and/or Vice President for Business and Administration be authorized, in accordance with established University procedures, to select a qualified architectural/engineering firm for this project and to award the necessary contracts, with all actions to be reported to this Board at the appropriate time.

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

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September 3 and 4, 1987 meeting, Board of Trustees

**REQUEST FOR CONSTRUCTION BIDS AND
ESTIMATE OF COST - FUNDING**

Resolution No. 88-22

Synopsis: Authorization to request construction bids is proposed.

WHEREAS the plans and specifications for these projects have been completed and, at the request of the Vice President for Business and Administration, the President recommended that the Board of Trustees authorize the request for construction bids:

**PRESSEY HALL REMODELING - PHASE II
(UNIVERSITY PRESS)**

Project: Remodel approximately 4,400 square feet on the first floor of Pressey Hall to provide space for offices and administrative functions of the University Press.

Funding: University Funds

Estimated Construction Cost: \$153,000.00

Estimated Project Cost: \$200,000.00

STARLING-LOVING HALL - AUTOPSY ROOMS

Project: Removal of inadequate HVAC and exhaust system supplying the Autopsy Rooms M-008 and M-010, and installation of a new system.

Funding: University Hospitals Funds

Estimated Construction Cost: \$160,000.00

Estimated Project Cost: \$198,150.00

KINNEAR ROAD CENTER BUILDINGS C & E - ROOF REPLACEMENT

Project: Removal of deteriorated roof and installation of a complete new roofing system.

Funding: University Funds

Estimated Construction Cost: \$158,000.00

Estimated Project Cost: \$170,000.00

LORD HALL - HEATING PLANT CONVERTER

Project: Demolition and removal of existing 20-year

September 3 and 4, 1987 meeting, Board of Trustees

**REQUEST FOR CONSTRUCTION BIDS AND
ESTIMATE OF COST - FUNDING (contd)**

LORD HALL - HEATING PLANT CONVERTER (contd)

Project (contd): old, inadequate heating equipment and
 installation of new energy efficient
 heating equipment, piping and controls.

Funding: University Funds

Estimated Construction Cost: \$108,000.00

Estimated Project Cost: \$121,000.00

NOW THEREFORE

BE IT RESOLVED, That the President and/or Vice President for Business and Administration be authorized, in accordance with established University procedures, to request construction bids on these projects, and if satisfactory bids are received, to award the necessary contracts, with all actions to be reported to this Board at the appropriate time.

Upon motion of Ms. Casto, seconded by Mr. Barone, 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. 88-23

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 the award of contracts for the following projects:

**DOAN HALL 5 NORTH
LABORATORY/OFFICE AREAS**

Description: This project provides for the renovation of a portion of the fifth floor, north wing of Doan Hall from patient and nursery rooms into office areas and laboratories for the Chairperson of Surgery and the Chairperson of Obstetrics/Gynecology, and their laboratory personnel. Construction is scheduled to begin August 1987 and be totally completed within one hundred twenty days.

General Contract

Date Received: July 7, 1987

September 3 and 4, 1987 meeting, Board of Trustees

REPORT OF AWARD OF CONTRACTS AND
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)

DOAN HALL 5 NORTH
LABORATORY/OFFICE AREAS (contd)

General Contract (contd)

No. of Bids:	8
Low Bid:	\$138,200.00
High Bid:	\$186,500.00
Estimate of Cost:	\$188,780.00
Awarded to:	Farrell Construction, Columbus, OH

Electric Contract

Date Received:	July 7, 1987
No. of Bids:	7
Low Bid:	\$ 27,600.00
High Bid:	\$ 36,300.00
Estimate of Cost:	\$ 32,680.00
Awarded to:	Functional Development, Dublin, OH

Plumbing Contract

Date Received:	July 7, 1987
No. of Bids:	3
Low Bid:	\$ 28,300.00 ⁺
High Bid:	\$ 39,239.00
Estimate of Cost:	\$ 25,661.00
Awarded to:	Farber Corporation, Columbus, OH

HVAC Contract

Date Received:	July 7, 1987
No. of Bids:	7
Low Bid:	\$ 87,300.00

⁺Plumbing Contract is in excess of filed estimate of cost; however, the total price of all contracts is within 10% of the total estimate of cost and is recommended for award as provided by Section 153.12 of the Revised Code.

September 3 and 4, 1987 meeting, Board of Trustees

REPORT OF AWARD OF CONTRACTS AND
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)

DOAN HALL 5 NORTH
LABORATORY/OFFICE AREAS (contd)

HVAC Contract (contd)

High Bid:	\$124,000.00
Estimate of Cost:	\$104,690.00
Awarded to:	Farber Corporation, Columbus, OH
Total All Contracts:	\$281,400.00
Total Contingency Allowance:	\$ 22,514.30 (which is 8% of construction costs)
Total Project Cost:	\$343,550.00
Funding:	University Hospitals Funds

AGRICULTURAL TECHNICAL INSTITUTE
FACILITIES IMPROVEMENTS

Description: This project provides for repairs to the exterior masonry walls of Halterman Hall including revision of a stairway and drainage area and replacement of certain windows; installation of a section of partition in Skou Hall on the campus of Agricultural Technical Institute, Wooster; and repair work to Equine Facility located at the Wayne County Fairgrounds. Construction is scheduled to begin October 1987 and be completed within two hundred forty days.

General Contract

Date Received:	July 27, 1987
No. of Bids:	2
Low Bid:	\$ 86,829.00*
High Bid:	\$ 89,660.00*
Estimate of Cost:	\$ 96,700.00*
Awarded to:	Stanley Miller Construction, E. Sparta, OH
Total All Contracts:	\$ 86,829.00*
Total Contingency Allowance:	\$ 8,171.00 (which is 9% of construction costs)
Total Project Cost:	\$ 97,000.00
Funding:	S. B. 348

*Recommended alternates reflected in these figures.

September 3 and 4, 1987 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 Mrs. Bowser, seconded by Mr. Barone, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**PURCHASE OF REAL PROPERTY
1.5 ACRES ADJACENT TO THE MANSFIELD REGIONAL CAMPUS
RICHLAND COUNTY, OHIO**

Resolution No. 88-24

Synopsis: Purchase of 1.5 acres adjacent to the Mansfield Regional Campus is proposed.

WHEREAS The Ohio State University has been provided with an opportunity to purchase 1.5 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 University's Mansfield Regional Campus; and

WHEREAS this property has an appraised value of \$2,500.00, and the owners, Charles A. and Alberta I. Parsons of Galion, Ohio, have offered to sell the property to the University at that price; and

WHEREAS funds for the purchase of this property will be provided through a gift from the John and Pearl Conard Foundation; and

WHEREAS the appropriate University officers have determined that the purchase of this property is in the best interest of the University:

NOW THEREFORE

BE IT RESOLVED, That the funds for this purchase be accepted as a gift to the University through The Ohio State University Campaign from the John and Pearl Conard Foundation; and

BE IT FURTHER RESOLVED, That the President and/or Vice President for Business and Administration be authorized to purchase, in the name of the Board of Trustees, this 1.5 acres of land at a price not to exceed \$2,500.00 and upon such terms and conditions as are deemed to be in the best interest of the University, subject to the University receiving the necessary approvals from the Ohio Board of Regents and the State Controlling Board.

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

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September 3 and 4, 1987 meeting, Board of Trustees

**EASEMENT
COLUMBUS AND SOUTHERN OHIO ELECTRIC COMPANY**

Resolution No. 88-25

Synopsis: Authorization to grant an easement to the Columbus and Southern Ohio Electric Company for installation of electric service is requested.

WHEREAS the Columbus and Southern Ohio Electric Company has requested a 15-year easement consisting of a strip of land 10 feet in width and approximately 360 feet in length for the installation of electric service at 2350 Red Rock Boulevard to service the WOSU-AM Nighttime Transmitter Park; and

WHEREAS the electric service will serve only University property; 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 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 this easement.

Upon motion of Ms. Casto, seconded by Mr. Barone, 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. 88-26

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.

September 3 and 4, 1987 meeting, Board of Trustees

REPORT - EXPENSES FOR DESIGNATED ADMINISTRATIVE OFFICIALS (contd)

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

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President Jennings made the following statement:

Mr. Chairman, that completes my agenda. I think a couple things should be noticed, I think the Alumni Association is giving us a little hint -- if you'll notice over by the fireplace, it looks to me like there are a couple dozen roses. We appreciate your interest and we will try, no doubt, to live up to that. I think it is also appropriate to note that the University over the next two weeks will undergo a severe test of its capability and the President's capability, in view of the fact that both Mr. Scott and Mr. Jackson will be out of town and out of the country and --

Mr. Scott:

And out of the way.

President Jennings:

And probably the University will be here two weeks from now, but I am not sure of that.

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REPORT - UNIVERSITY'S INVESTMENT PORTFOLIO

Resolution No. 88-27

RESOLVED, That the report on the University's Investment Portfolio, dated August 21, 1987, 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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**QUARTERLY REPORT -
WAIVERS OF COMPETITIVE BIDDING REQUIREMENTS**

Resolution No. 88-28

RESOLVED, That the quarterly report on the Waivers of Competitive Bidding Requirements, dated January through June 1987, 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 3 and 4, 1987 meeting, Board of Trustees

Thereupon the Board adjourned to meet Thursday, October 1, 1987, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, at 6:30 p.m.

Attest:

Madison H. Scott
Secretary

Leonard J. Immke
Vice Chairman

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THE OHIO STATE UNIVERSITY
OFFICIAL PROCEEDINGS OF THE
ONE THOUSAND TWO HUNDRED AND THIRTY-FOURTH MEETING
OF THE BOARD OF TRUSTEES

Columbus, Ohio, October 1 and 2, 1987

The Board of Trustees met at its regular monthly meeting on Thursday, October 1, and Friday, October 2, 1987, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, pursuant to adjournment.

* * *
Minutes of the last meeting were approved.
* * *

October 1 and 2, 1987 meeting, Board of Trustees

The Chairman, Mr. Redman, called the meeting of the Board of Trustees to order on October 1, 1987, at 6:35 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: Edmund C. Redman, Chairman, Leonard J. Immke, Hamilton J. Teaford, John J. Barone, and Milton A. Wolf.

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Mr. Redman reconvened the meeting on October 2, 1987, at 10:20 a.m.

Present: Edmund C. Redman, Chairman, John W. Berry, Shirley D. Bowser, Hamilton J. Teaford, John J. Barone, John W. Kessler, and Milton A. Wolf.

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Mr. Redman:

Mrs. Bowser, would you like to talk about the Hospitals Board Committee?

Mrs. Bowser:

Well, I think Mr. Immke has already reported here on that subject.

Mr. Redman:

I was going to ask, Mrs. Bowser, in light of this and since we just received the written report this morning, if you could give us a recap on the important items in it.

Mrs. Bowser:

Well, this is the first time I have seen it, too. However, I have participated in these major activities. I think it's self-explanatory. Mr. Covert is here, Dr. Tzagournis is here --

Mr. Scott:

Mike, would you like to comment on this?

Mr. Covert:

Sure, let me take a minute or two. We had anticipated Mr. Immke would be here to give a brief report. I'll highlight several of the key items for you, and then if you have questions, I'd be pleased to answer them or discuss them with you.

The Hospitals Board, as indicated, did meet on September 27, and all of its appropriate subcommittees met. There were a number of items reviewed: the medical staff appointments, as well as an amendment to the Bylaws of the Medical Staff that dealt with, what we will refer to as physician extenders, physician assistants, and how they are appropriately credentialled in the Hospital setting. We heard several reports of quality assurance related activities from both the Otolaryngology, as well as our Ophthalmology Departments; and a report from Dr. Joseph Drago,

October 1 and 2, 1987 meeting, Board of Trustees

Mr. Covert: (contd)

head of the Division of Urology, talking about some of the latest developments in using lasers to crush kidney stones. I believe I saw a report in the Dispatch this morning also outlining some of that activity.

I would highlight three or four items for you. In the month of July the Hospitals exceeded their budgeted admissions by 3%, and clinic visits exceeded budget by 6%. We think this is a trend that will continue. Revenues exceeded expenses by approximately \$168,000.

The four or five items that I would bring up to you, Mr. Chairman, Members of the Board, are items of discussion on our MedOhio facilities, a report of accreditation of our rehabilitation center, as well as a brief review of the Boards' Self-Evaluation Task Force recommendations, and a brief note on the Cancer committee activities.

We reviewed a financial statement, as well as information on the first 3 1/2 months of operation. It has been our intent to establish an estimate. There are two budgets on the MedOhio, the first through June 30, and then the budget year, tied to our fiscal year, of July 1 through June 30. During that particular period of time, our budgeted visits to those facilities on a per day basis were somewhat down. Those are directly related to our use of the Reynoldsburg facility, as we had several physicians who were practicing there who left the Reynoldsburg facility just prior to our taking that over. That's a result of some concerns on their part in working with Humana and they decided to go out into private practice. So our numbers were somewhat down; you can see that in the report. We are ahead of schedule, however, in terms of our budget financially during that period of time. Budgeted losses were, in an initial three-month period, some \$56,000. After our initial takeover, our actual losses were only approximately \$24,000. I would tell you that in the actual months of July and August they have begun to turn a specific profit of approximately \$10,000-\$15,000. Overall, we think that will continue and I will continue to report on that.

Mr. Redman:

This is an area that Mr. Kessler and I are both interested in. I'm happy to hear you report that our loss wasn't as great as our budgeted loss, although this is only through June 30. Is that correct?

Mr. Covert:

That is correct. We believe that if our admissions would have actually held to what we had anticipated, if we had not seen the change in the movement of those physicians in the Reynoldsburg facility, that we would have been profitable all those particular months. Now, I will tell you that those items have been corrected and we do have stable medical staff out there at this point. That is why you have begun to see the change in July and August. But there is no question that did have an impact on us for that period of time.

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Mr. Teaford:

Am I right that profit does not include capital costs?

Mr. Covert:

That's right.

Mr. Redman:

And it doesn't include interest on the investment?

Mr. Covert:

That is what we were referring to, as it is part of the endowment at this point. If that should transfer, obviously those activities would have to be accounted for and that is what we would use those surplus monies for.

Mr. Redman:

In that computation, Mr. Covert, you take no credit for any teaching service that may be rendered and we get the benefit from Humana, is that correct?

Mr. Covert:

We have not taken any teaching credits. We have not taken into account major changes and significant accounts receivable that we had also collected on Humana's behalf during that time, that is correct.

Mr. Redman:

Well, I think we should see both sides of the coin.

Mr. Covert:

I think, Mr. Chairman, we were just trying to take it in pure dollars and cents. You had a look at it from a pure viewpoint, but I will do that in the future.

If there are no other questions on that -- the other key item is that we did receive accreditation on our Rehabilitation Facility at Dodd Hall through the Commission on Accreditation of Rehabilitation Facilities. C.A.R.F. is similar to the Joint Commission on Accreditation of Hospitals, and they only look at rehab hospitals. We received a full three-year accreditation with no significant deviations. I think we are really proud of that and what the staff has been able to achieve. It makes us one of several major accredited centers in the United States at this point, and we are really pleased with that.

A couple of other items that I bring to you are that the Self-Evaluation Task Force, that was chaired by Mr. Klisares, brought a presentation together on potential reorganization of a number of the Board committees and how information is presented to them. There was an active and lively discussion in that

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Mr. Covert: (contd)

regard as to how we might wish to do that in the future. It is not only a requirement from the part of the Joint Commission on Accreditation of Hospitals that we do that, but I think it was a very good exercise on our behalf as we take a look on how we operate and how we continue to function on behalf of the Board of Trustees. I think it was also an extensive discussion on the expectations of staff and myself, in terms of information being presented. I believe that there will be more discussion on that and we'll defer that piece to Mrs. Bowser as I complete the activity discussion here.

The Ad Hoc Cancer Committee of the Hospitals Board has met three times over the last month to begin to review and gear up, if you will, for the official operation of the Cancer Hospital. At that time, Dr. Tzagournis and Dr. James had an opportunity to review continuing activities in the search for the director, ongoing construction activities, financing of the operation, and analysis of support requirements. For those who are not familiar with the Committee, it is made up of Messrs. Immke, Havens, Lazarus, Duncan, and Vorys, and they will continue to meet to review all of our gearing up for operation.

Mr. Redman:

Where are we on the selection of a head for the cancer hospital?

Mr. Covert:

I believe there are ongoing discussions in that regard with one or two candidates. I don't believe that they have been finalized at this point, and I would defer to Dr. Tzagournis.

Mr. Redman:

Have you narrowed it down to one or two?

Dr. Tzagournis:

Yes.

Mr. Redman:

When will that determination be made known?

Dr. Tzagournis:

We hope this month, at the end of October.

Mr. Redman:

Really, we can't get off the ground until we get that fellow, can we? Is that a correct statement, or not? We're just brick and mortar now.

Dr. Tzagournis:

Well, we have -- Dr. James is the Medical Director, he is really

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Dr. Tzagournis: (contd)

performing those functions, he is trying to get the equipment ready.

Mr. Covert:

In some of the operational areas, as you have also directed and the Hospitals Board has directed, we have been meeting to gear up operation in support of the facilities specifically. And those activities are activities that need to go on either way at this point so that we are ready to open up on day one.

The last item that was brought to the attention of the Hospitals Board was an issue on accounts receivable and some significant late payments on the part of Medicaid service in the State. We were in arrears some \$3.3 million that had been owed to us for over a year. We did ask for help from the Attorney General's Office to solicit and get the attention of the Medicaid Office to help us with that. At this point in time, less than \$1 million of that \$3.3 million is still owed to us and will be paid shortly. So, we've been pleased with that support and have received those funds.

Those are the major items of report that I would --

Mr. Redman:

Did you expand on the Humana possibility of collecting a portion of those receivables? Did you mention that?

Mr. Covert:

Yes.

Mr. Redman:

So that we expect to pick up a net of about \$300,000, is that correct?

Mr. Covert:

Potentially, I think we were looking at probably a quarter of a million for the accounts receivables on their behalf. I think they are pleased that we were willing to do that, and we have been successful.

Mr. Redman:

So to convert that to Mr. Kessler's and my concern -- our cash price was \$6.5 million?

Mr. Covert:

That is correct.

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Mr. Redman:

If we applied that credit against that, we would end up with somewhere around \$6.2 million.

Mr. Covert:

That is correct. With the forgiving of loans that they have made previously to physician groups involved with that as they first got started, in terms of the actual costs to the institution and to the potential costs and to our related groups, we would be looking in the neighborhood of that purchase being \$6 million.

Mr. Redman:

Their asking price in the beginning was \$8.5 million.

Mr. Covert:

Initially, \$8.5 million, and as you recall from the discussions with Mt. Carmel and -- I think that was public knowledge -- they were looking at Mt. Carmel with \$7,750,000.00.

Mr. Redman:

Are you through with the report?

Mr. Covert:

I would defer to any questions you may have.

Mr. Redman:

I would like to ask, I'm doing all the asking here, but where are we on the helicopter?

Mr. Covert:

On the helicopter consortium -- at this point they are operational in terms of their activities.

Mr. Redman:

Who is they?

Mr. Covert:

Mt. Carmel, ourselves, St. Anthony, and Mercy are the combined participants in that group. The helicopter has just been leased, the staff put together, and it will officially begin its operation, tentatively, the first of November. I would make a comment to you that we are still in active negotiations with Grant Hospital, I think I have indicated that publicly on several occasions. We will continue to negotiate to see if we can pull ourselves together so that there is only one active service in the community. There was an opportunity through the Coalition of Cost Effectiveness group for Board Members, as well as

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Mr. Covert: (contd)

representatives of the Hospitals and the President was invited to participate, to continue that ongoing activity. I think we have publicly professed, and will continue to do so, that it is our desire to pull those efforts together. If we can do so, it would be our hope to be able to achieve that in the next 30-45 days at the latest.

Mr. Redman:

So I understand then that you have finalized your contractual relations with Mt. Carmel and White Cross? No?

Mr. Covert:

St. Anthony. Yes, that has been ongoing. It is truly a consortium and if you are asking me whether or not they have come up with the cash and they have paid it, yes, they have.

Mr. Redman:

They have. Have you purchased a helicopter?

Mr. Covert:

This is not a purchase, this is a lease agreement that is from year-to-year and gives us options to continue to do that. However, the actual costs associated with that are fixed for a several-year period of time.

Mr. Redman:

But, that service would then begin, in your judgement, about November 1. Irrespective of Grant's participation or not?

Mr. Covert:

That is correct. Now, if there are opportunities for us to work together and to merge those after that, we will continue to do so.

Mr. Teaford:

Mr. Chairman, I wanted to raise one thing as a consumer of the Hospitals' services this past summer. During my stay I thought that the nursing care and doctors' care was superb and I couldn't even conceive of having any complaints about it, but the billing system still drives you up a tree. I can't even tell you how many bills that I have received because I went there. I don't know what they relate to and I don't know whether they get paid or not. We have simply got to come up with a system, so that if I go to that hospital, I get ONE bill. It is not fair to the person who is using the hospital to get the stuff you get. I have a secretary who works on trying to figure out whether I've paid, what I've paid, and so forth. She and I can't do it.

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Mrs. Bowser:

The Hospitals Board has discussed this --

Mr. Redman:

I want to advise Mr. Covert that I didn't put you up to that. This was volunteered on your own.

Mr. Teaford:

No, no, nobody put me up to this. This is absolutely my own comment. But, I think we really have to move on that.

Mrs. Bowser:

We really have been working on this.

Dr. Tzagournis:

Mr. Redman just asked me to invite him to the next committee meeting on central billing which I plan to attend. We can attend it together. That committee is pretty much on schedule, you remember this Board gave them a phase-in time. They do have a consultant's report and we plan to bring this to the Hospitals Board's next meeting for a report. Then, I think, Mr. Redman will bring it to your Board next time. We'll give you a good progress report.

Mr. Redman:

It might not be amiss, Dr. Tzagournis, to send Mr. Teaford and the other members of the Board of Trustees the consultant's report so they will have the benefit of that before the next meeting.

Dr. Tzagournis:

I'd be happy to.

President Jennings:

It could represent a major breakthrough in hospital activity as it this is not unique to Ohio State. If we get this one solved, we've worked a minor miracle. I would also suggest perhaps we ought to include members of the Trustees in the University's PPO where there is no paperwork.

Mr. Teaford:

I'd love that.

Mr. Kessler:

Why is it so complicated?

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Mrs. Bowser:

How much time do you have?

President Jennings:

It's federal rules, state rules, Blue Cross rules --

Mr. Redman:

However, it needs a solution. I am satisfied from an accounting stand point that it can be solved, but I want to make this statement for the public record that we cannot be unfair with the doctors. If we don't have doctors on our staff, we wouldn't have any hospital. And they are there for a lot of reasons, one of which is to make money. We can't make the billing system so they can't get paid. That is one of the concerns that some of the doctors have mentioned to me directly. And I have solicited their comment, asking, "What are you afraid of?" We've got the consumer problem as Mr. Teaford has outlined, and I think we need to do something about it. But by the same token we need to assure the physicians on the staff that we are not going to make it so that they can't exist and get their money within a reasonable time -- that's all.

Mr. Teaford:

My sense is that the current billing system contributes to their getting their money slower. Because if I had had all of those on one bill, they would have simply been paid, but I had to check each one because I didn't know what they were. And there is no question that I paid those doctors slower than I would have paid had we had a uniformed billing system.

Mr. Redman:

When you get through with those, Mr. Teaford, I'll be getting a few and I'll send them down to your secretary.

Mr. Teaford:

Oh, please don't, she will kill me!

Mrs. Bowser:

I just want to reemphasize the point that Dr. Tzagournis and Mr. Covert have been working on this problem. It is not that it has been shelved, it has not. And I think Mr. Havens had a comment or two at the last meeting that he had a suggestion which Dr. Tzagournis is going to take under advisement. So, it is not something that has been put on the shelf, they are on the same time-frame that we gave these gentlemen.

Mr. Redman:

Well, we don't want to be slow like the seven-year itch. We don't want Mr. Teaford's wife to pass away before we can get his bill straightened out.

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Mr. Teaford:

Even worse, she doesn't want me to pass away before the bills are paid.

Mr. Redman:

Having had outside consultants now, and pragmatic review of the problem, I think we would all benefit by having that. Is there anything else? We'll have the Foundation Board report -- do you have anything to report?

Mr. Teaford:

Yes, I do, Mr. Chairman. First of all, Mr. Chairman, I have not said this publicly, and I want to make sure I do, that I think this is an important innovation that you have added this year to have these reports, and I am particularly pleased that you have done it.

You have already heard the principle things that the Foundation Board has done in Vice President Tobin's report at this morning's committee meeting. As you know, we are at some 64% of the goal already. I have a list of the members of the Foundation Board and I think it would be useful to pass it around so that we are aware of the persons who are devoting so much time to make this a reality.

As you know, the principle criteria for being on this Board is the ability to raise or, in fact, donate \$1 million to the University; other than those who are on there because they are members of the Board of Trustees, lest anyone think I am capable of such generosity. But as important as the gifts -- and as you know, our Chairman of that Board, Les Wexner, has announced an increase in his gift from \$10 million to \$25 million -- there is a great deal of time and energy being spent by the members of the Board that are a great help to this institution. A few examples are -- and I am happy to point out that a number of those examples sit on this Board -- Len Immke has been involved in the Campaign on behalf of the Cancer Hospital and Research Institute and has served as a host for a number of local and regional development events; Jack Kessler, Bernie Gerlach, Dan Galbreath, and Mel Schottenstein have all been active in the Columbus Regional Campaign; and Richard Leet is active in the Chicago Regional Campaign. Also, David Sharrock, who is on the Board, has been involved in the Cincinnati Campaign. Jack, Bernie, and Mel, along with Alex Schoenbaum, have also worked to build the athletic portion of the Campaign. Fred Ruffner, who is on the Board, but is also the Chair of the National Campaign Steering Committee, has hosted numerous Development events. He maintains an ongoing open line of communication with the University and is a strong advocate on its behalf. Richard Denman serves as co-chair of the Medical Center portion of the Campaign and Ralph Kent is the Chair of the College of Business Campaign activities. I think it is important to note that not only are these persons sharing with us their resources, but indeed, perhaps even more valuable, their time and energy. And I think

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Mr. Teaford: (contd)

this Board should know that. I, personally, am very appreciative of the kinds of efforts that we are seeing. Thank you.

Mr. Redman:

Thank you, Mr. Teaford, for your report. This schedule of the terms of office doesn't indicate that Wexner is the Chairman, but you say that he is.

Mr. Teaford:

He is indeed.

Mr. Redman:

I think that is fine. He certainly has been generous to the University and we all appreciate it.

President Jennings:

I think, mentioning people -- and I will second that -- there is an enormous amount of time that is spent by all of those people that you mentioned. It is a major reason for the success of this Campaign, to date. I am sure you would also want to mention Jim Chaplan on the Cleveland Campaign, who I might add is recovering well from major surgery and will be back bugging the Cleveland people to get involved with Ohio State, very shortly.

Mr. Kessler:

I might mention, tagging on to Joel's comment, that the Columbus part of the Campaign has contributed, in the two years since the Campaign started, \$110 million in 2 1/2 years, which is 80% of the Columbus goal. Columbus benefits a lot from what goes on at Ohio State, but it is amazing that this community has been that generous to this University. I think it is just incredible.

Mr. Redman:

Are there any other comments? I would like to have the report from Mr. Barone on the Research Foundation.

Mr. Barone:

Mr. Chairman, on The Ohio State University Research Foundation I wish to state, at this time, that I am also very happy that you have created these reports, because what I knew about the Foundation before serving on the Board was absolutely zero. It was all together different from what I surmised it was.

We had a meeting on June 19, and the officers were elected at that time: President - Dr. Hollander; Vice President - Roy Koenigsknecht; Secretary - Herb Toennisson; and Assistant Secretary - Mr. DeStazio. What with the election of officers and getting acquainted at the June meeting, we had an additional

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Mr. Barone: (contd)

meeting on September 18, where we got into the functions of the University Research Foundation. Everything that the Foundation is awarded is approved by the Board of Trustees, and consequently, that is why I feel that this Board should have a more general knowledge of what the function of the Foundation is. I certainly did not have it.

The awards given to this University do not come easily. I am happy to report, for example, in 1978 the University received \$31 million in awards. In June 1987, we have \$82 million. Of course, with the 1987-88 awards given and the money coming in, it will easily reach \$100 million. So there is \$100 million worth of work being done in this University, which amazed me and I don't know if the rest of the Trustees knew about it or even that these functions are going on. One hundred million dollars in awards and \$100 million being granted to this University, I think it is tremendous. I think Dr. Hollander is doing a tremendous job as the President of the Foundation.

For example, for the period 7/1/86 - 5/31/87 we have received almost \$93 million in awards and the expense account on that is 3%. I think that is fantastic -- a \$21,468 expense account, with an income of \$93 million. Myles attended this meeting and of course, Myles knows this much better than I do. I've been leaning on him to find out the functions and how the Board operates. I'd like to read, for example, the report of Federal awards and then the percentages: National Aeronautical and Space Administration has given 36 awards; National Science Foundation has given 127 awards; Department of Defense has awarded us 61 grants; Department of Energy - 19 awards; Department of Education - 35 awards; Department of Health and Human Services, and I think Dr. Tzagournis is very active in that, they have given us 201 awards; and numerous other agencies have awarded us 57 grants.

Mr. Redman:

Who rides herd on these? Once we get the money, who gets the money --

Mr. Barone:

Well, different departments apply for these awards, and that is why I say that I was amazed that we were able to do this with very little lobbying. I think if more of the University knew about these awards and the amount of money involved, I feel -- and I told Dr. Hollander and Myles -- we are not assured we are going to get these awards when we present them. Most of them are Federal and if we could get a little lobbying in there, I think it would be very helpful.

Mr. Redman:

Who instigates the requests?

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Mr. Scott:

Myles?

Dr. Brand:

Let me speak to this for just a moment, Mr. Chairman. These are all peer group awards from the Federal Government. Resident scientists and researchers on Campus submit awards to peer groups and they are judged by panels and committees. They are not political process awards, but rather on the merits of the proposals.

Mr. Redman:

In other words, the Federal Government and those folks decide that they are going to give an award for something or other and then the universities all over the country bid on them.

Dr. Brand:

Then they are chosen on the basis of quality by a panel of experts.

Mr. Redman:

If we get the bid, if we are the successful bidder like a contractor, then we get the money.

Mrs. Bowser:

It's on quality, not on --

President Jennings:

It's not on dollars.

Dr. Brand:

It's is not on dollars. The dollar amount is set by the Federal Government and then they choose the university research team on the basis of the quality of the faculty involved.

Mr. Redman:

Having been granted that, we get the money, right?

Dr. Brand:

Yes, Sir.

Mr. Scott:

To do the work. As an example, today we received a major grant for AIDS research -- that is the kind of thing that Myles is describing. But the ideas are generated by our research faculty, research scientists, and then those are submitted to the various federal agencies to be peer reviewed. That is the difference between this and pork barreling.

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Dr. Brand:

I might note, Mr. Chairman, that having passed the \$100 million mark per year is a significant achievement for this University. I might note that, to follow up on Mr. Barone, the National Institute of Health grants, which are very competitive grants and a significant mark of achievement in the quality of our programs, is significantly up due to research at the Medical School.

Mr. Redman:

Very good.

President Jennings:

I think, as we noted, the very encouraging aspect of all of this is that these have been, over the last several of years, growing at an annual rate compounded at 12% a year, when much of the research activity has been flat. You mentioned the College of Medicine -- they have been growing at roughly 22% a year over the last several years, reflecting the enormous work and success of bringing in new, young faculty who are very competitive in these areas. This is a major measure of the quality of an institution. Around the country we ranked 23rd in the nation, and we expect that rank to improve substantially over time.

Mr. Teaford:

Mr. President, I think we shouldn't lose sight of the fact that the biggest single reason that we have so many successful grants is that our faculty is active in seeking them. Because without the proposals from the faculty, that simply could not happen. I think later today we are going to hear from one of the stars in that regard, Dr. Twarog.

Mr. Barone:

We have increased our awards of the last three years by 49%. And that is because of the faculty and because of the excellent work the faculty has done in the past. So you can see from \$31 million to \$100 million is a tremendous increase, and we should be very proud of what the group is doing on that.

I'd also like to report to the Board of Trustees -- by coincidence on the Super Collider, one of the chief, or I should say the main person who is working on the Super Collider for the Government, is a brain-child from Toledo, Ohio, called Mike Weatheral. I play golf with his father quite a bit. So I've heard the basic report that he has given President Reagan. He feels that after the research he has made -- and his report will go to President Reagan -- that he would like to point it towards Ohio. However, President Reagan at the present time hasn't had as much publicity as a good actor should, and he feels that when the report is in, that Illinois, which has probably the best facility -- physical facility, the University, the airport and everything else, probably it should go that way. But it is his opinion, when it is all said and done, that President Reagan

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Mr. Barone: (contd)

has the choice of where to put it and it will probably, as his last curtain call, will take it right into California. However, what happened yesterday in California may completely force him to change his ideas of placing it there with the earthquake. But there is a strong feeling in Congress, he tells me, that the Super Collider is a \$6 billion expense that should be payment put on our national debt. And in all probability, if something is not done with our national debt area, the Super Collider will be put aside for the future and the money expended on the national debt. Now that is very, very unofficial, I'm just giving you what members of that committee are thinking.

Mr. President, I can see your facial expression, you may expound on that.

President Jennings:

Let me talk about the process very briefly. I think it is very important to recognize -- and we were talking about these research grants -- that the first action that will be taken will not have any political activity at all associated with it. Peers will select anywhere from 2-3, to 6-7 undetermined sites that are all acceptable, scientifically. And obviously Fermi Lab at the University of Illinois will be competitive with that because they already have a lab there. But they, like other proposals, have some major disadvantages associated with Fermi Lab that, I think, make our proposal competitive with theirs. Two major issues associated with Fermi Lab is their bedrock is much deeper than ours is and the cost would be higher. Then secondly, if the current facility at Fermi Lab is used as part of this new Super Collider, then the Fermi research would have to be shutdown during the construction phase, which would be up to three years, which would be a major setback for science. Because even with this new facility, the Fermi Lab will still be a major scientific instrument. And then third, if the Fermi Lab is used, the scientific community is worried that we will be using equipment that was developed in the '50's to put in with the more modern Super Collider. So, I think, that the assumption that the University of Illinois has a competitive edge is not totally appropriate. Obviously, they already have a facility there.

The other thing that I think we should recognize, too, in terms of President Reagan, is that in order for President Reagan to make a decision on this, this process is going to have to go much more rapidly than the scientific process would typically take. That January 20, 1989 date is upon us, and I think that the scientific community feels that it is most likely that the next President of the United States will make this decision, because of the time required to develop this project.

Mr. Redman:

We can have Bush do that. Are you through?

President Jennings:

Everett Dierkson did not have anything to do with Fermi Lab.

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Mr. Redman:

I wanted to ask one question of general information. Is it true that all requests for research grants must go through the Board, the Research Board? Is that a correct statement, or not?

Mr. Barone:

Yes. I thought I said that. Everything that the Board of Directors does, or submits, or recommends must be submitted eventually to the Board of Trustees for approval.

Mr. Redman:

I didn't mean that, John -- I meant that let's assume that a member of the faculty wants to make an application for a grant, does he have to go through the Research Board?

Mr. Barone:

Yes.

Mrs. Bowser:

It would be nice to know who is on the Research Board like we know who is on the Foundation Board, maybe next time.

Mr. Scott:

We'll provide you with that.

Mr. Redman:

Any other questions? Thank you, Mr. Barone. We would like to have the report on the Development Fund from Mr. Kessler.

Mr. Kessler:

There have been no meetings of the Development Board since a lot of the activity of the fundraising has been picked up by the Foundation Board. The Development Board is still active and still in existence, but most of the major fundraising has been assumed by the Foundation.

Mr. Tobin:

Let me add a comment to that. Actually, the Development Fund Board will have its next meeting next week. We will send you a copy of the minutes of that meeting. The Foundation, as Jack indicates, is concentrating its activities on major gifts and so on and so forth as part of the Campaign. The Development Fund Board is concentrating on what we call "base building," working on the total number of donors contributing to the institution. They will be looking at a number of major recommendations from our staff next week and my thought was to send you a copy of the minutes of that session which will also include some new people who have been added to that Board.

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Mr. Redman:

Thank you, Mr. Tobin, Mr. Kessler.

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Mr. Redman called upon Dr. Brand to introduce Professor Twarog, Father Matejic, and Predrag Matejic, to give a presentation on the Hilandar Library.

Dr. Brand:

Thank you, Mr. Chairman. I would like to take this opportunity to introduce you to Professor Leon Twarog, who is a Professor Emeritus. He came to Ohio State in 1960, as a full Professor to help fill the University's Slavic studies program. And, indeed, he was Chairperson of the Department of Slavic and East European Languages and Literatures from its beginning in 1962 until 1972, and then again served in that capacity from 1978 until 1984.

Amongst his achievements is having founded and directed the Center for Slavic and East European Studies from its creation in 1965, until his retirement. It's significant that this Center is a Title VI funded federal Center; one, I believe, of only 11 in the country. And it is an achievement to have done this over this long period of time. I could spend a very long time listing Professor Twarog's accomplishments, though let me name just one, and that is that he was instrumental in bringing about the individualized instruction program for foreign languages in which instruction is delivered through the telephone and includes written tests. These are for languages such as Czech, Polish and Russian, and they are taught in this way across the entire country.

Professor Twarog will introduce his colleagues and they will talk about the Hilandar Research Project and the Hilandar Research Library which relate to the Slavic language program. As you recall earlier, we discussed the new Master's program in this area. Professor Twarog --

Professor Twarog:

Thanks very much for a very gracious introduction. Members of the Board, today I just want to say that we are all very grateful that we have the opportunity to speak about one of the more exciting research projects that we have here on Campus, and this is the Hilandar Research Project. It is generally referred to by that name, but now it has been divided into two segments -- along functional lines, one is the Hilandar Research Library, which is directly under the jurisdiction of the Library, and the second is the Resource Center for Medieval Slavic Studies, which is housed in the College of Humanities.

The Resource Center for Medieval Slavic Studies is under the jurisdiction and direction of Professor Mateja Matejic, who is right here and he will be speaking next. The Hilandar Research Library is directed by a curator, Dr. Predrag Matejic, who is now an Assistant Professor in the Library and he will be managing the

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Professor Twarog: (contd)

projector here in just a moment and speaking later on. So both of them will speak about their specific charges.

One thing I do want to emphasize is that this is a project that any university in this country, including the leading ivy league universities -- my own alma mater, Harvard -- would be happy to have at any time. It already comprises one of those peaks of excellence that President Jennings has been talking about constantly and many scholars abroad know about Ohio State only through this particular project.

Now, all of this has beginnings back in 1969, when Professor Matejic came to me and said that a childhood friend of his, who was then the librarian at Hilandar Monastery on Mt. Athos, Greece, had written and said that he was very much concerned about the safety of the library. All kinds of fires had been breaking out in monasteries. Why libraries -- nobody knows, but they did happen and so I suggested that we might see what we could do about microfilming. I happen to know that monastery, in particular, because of my previous work in Slavic studies and studying Serbian. I knew that library was equivalent to a university library, from a point of view of medieval times. And so we had a positive answer from the monks, and in the middle of winter -- I didn't have any pity for Father Matejic, I must say, two weeks after he left the hospital for a gallbladder operation in the middle of winter we sent him to Mt. Athos on an exploratory trip. He went there, came back with some samples and with an agreement with the monks. In the summer of 1970, he and Professor Walt Craig, from our Department of Photography and Cinema, went to Mt. Athos and they photographed 119 manuscripts. The following summer, Professor Matejic went with his son, Predrag, and they photographed the remaining 710 manuscripts. This photography was done working 12-14 hours a day, photographing in sunlight, with a standard 35mm camera and a 36-exposure cassette. This is the only way this thing could be done.

At first, all of these films were housed in a janitor's broomcloset in the Slavic Department and all we had was a portable microfilm reader. By 1981, we got a toehold in the Library and we were given a small room on the third floor, and this was the first Hilandar Room. We soon outgrew that space and by 1984, the Library, itself, suggested that we move to more spacious quarters. These quarters needed renovations, needed furniture, and I must say that the Office of Academic Affairs came through, here, and the Provost gave us something like \$50,000 to furnish the room and to make sure that it was properly air conditioned and anything else that was needed.

Over the years, Professor Matejic and I have worked as a team. It was my job to get space, to find operating funds; it was his job to take care of acquisitions and the scholarly aspects of this particular program. And I know that I am prejudiced, but at the same time I think I am pretty close to the truth, if not completely true, when I say that this particular collection in the Hilandar Research Library is the most valuable collection in

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Professor Twarog: (contd)

our Library of over 4 million volumes. The Professors Matejic will have more to say about that in just a moment. What we want to do now is present to you the last five minutes of an eleven minute slide show for which the commentary is now translated into 12 languages -- if you want to hear them all, but you will have to go to the Hilandar Research Library to hear that. I hope that you will find five minutes interesting enough so that you will want to see what you missed in the first six minutes. We would be honored to have all of you visit the Hilandar Research Library and get a much fuller explanation. And now we will turn to the slides.

Slide Presentation:

Of the twenty existing monasteries, three are historically related to the world of Slavs and are populated primarily with monks of Slavic descent. St. Panteleimon is Russian; Zograf is Bulgarian; and Hilandar is a Serbian monastery. Hilandar was built in 1198 by St. Simeon Stefan Nemanja, a former ruler of Serbia, and his two sons, St. Sava and Stefan, the First-Crowned. Although it is on Greek territory, Hilandar has played the decisive role in shaping the religious and national awareness of Serbs.

The monasteries together and each of them separately, have represented and still represent important monastic, religious, and cultural centers. Precious manuscripts were kept and written in various languages, primarily Greek. Notwithstanding the fact that a large number of manuscripts have been destroyed or taken away, it is believed that there are still some 17,000 codices there, not counting fragments, edicts, letters, and various other documents. Various objects of art needed for liturgical and religious practice were also produced there. Each monastery still owns numerous carved crosses, icons, frescoes, embroidered curtains, etc.

Manuscripts, as well as icons, curtains, and other objects of religious art used to be sent as presents from various countries. Such was the case with this curtain which was sent to Hilandar by the wife of Ivan the Terrible. She, herself, embroidered that curtain. Also treasured in Hilandar is the famous Diptych of Jefimija (14th-15th Century A.D.). On the back side of that two-panel icon is engraved the prayer of Jefimija, mentioning the death of her only son Ugljesha. The text of this poem is considered to be the first poem in Serbian literature written by a female author.

In Hilandar, as well as in other monasteries on the Holy Mount, a large number of rare and precious printed books are preserved in libraries. In view of the fact that the library of the Hilandar Monastery contains a large number of Slavic manuscripts which represent a heritage of cultural interest for the entire world, the Department of Slavic Languages and Literatures at The Ohio State University considered it desirable and necessary to obtain permission to microfilm all of these manuscripts treasured in Hilandar. The Department hoped thereby to make this material

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Slide Presentation: (contd)

accessible to scholars, students, and all individuals interested in it. At the same time, in case of some disaster on the Holy Mount, this invaluable material would be preserved on film, even if the originals were destroyed. With the permission of the Greek civil authorities, as well as the monastic government and the Brotherhood of the Hilandar Monastery, in the period 1970-1975, all Slavic codices in Hilandar, as well as numerous edicts, icons, frescoes, carved crosses, and many other objects of religious art at Hilandar were photographed. This task was accomplished by Professor Mateja Matejic, Professor Walt Craig, and Dr. Predrag Matejic.

Microfilms of Slavic manuscripts from the Hilandar Monastery are available in the Hilandar Room in the Main Library of The Ohio State University. This collection also contains microfilms of some 117 Greek codices from the Hilandar Monastery as well as microfilms of a number of Slavic codices from other monasteries and European libraries which have granted their permission to photograph the material they have. All these microfilms are available to anyone interested in looking at them or studying them. The Serb National Federation in the U.S.A. and individuals of Serbian descent in the U.S.A. and Canada contributed the financial means needed to purchase furniture and microfilm readers for the Hilandar room. Photography of the manuscripts was financed by The Ohio State University, the National Endowment for the Humanities, and the American Council of Learned Societies.

Even today, monks of the Holy Mount continue the Orthodox monastic traditions instituted in the 4th century in Egypt and in the 6th century on the Holy Mount. Here in Columbus, in the Hilandar Room, fruits of that culture which has been in existence for over a millennium are stored on our microfilms. Thus, the Hilandar Room represents a bridge between the Holy Mount and the United States of America, a bridge between the past and the present. In essence, this is the importance of the Hilandar Room and the Hilandar Research Project.

Father Matejic:

With your permission, I would just like to outline the significance of the Hilandar Research Project, which is presently known as the Resource Center for Medieval Slavic Studies and, also, the Hilandar Research Library. I divided it into local and national under number 1 and international significance under number 2. We handed out this paper so you may later check some of the things.

Ours is the largest, in fact the only Resource Center for Medieval Slavic Studies and the largest repository of microforms of Medieval Slavic manuscripts in the Western Hemisphere. Microform holdings in the Hilandar Research Library represent invaluable and in some cases unique research material related to the Slavic culture in the Middle Ages. A large portion of this material is normally inaccessible to female scholars and/or students and their only opportunity to study it is in our Hilandar Research Library. Our research material is used for

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Father Matejic: (contd)

research by scholars and students locally, nationally, and internationally. Several Ph.D. dissertations, M.A. theses, monographs, and studies have been written and published on the basis of our material. Some students have enrolled at The Ohio State University in order to have access to this research material. Outside funding has been received from the National Endowment for the Humanities, the American Council of Learned Societies, the U.S. Information Agency, the Serb National Federation, and individuals of Serbian origin in the United States and Canada. Two International Hilandar Conferences have taken place, one at Ohio State, the other in Rila Monastery, Bulgaria. The third, which had been scheduled for Nijmegen, The Netherlands, has now been rescheduled for Belgrade, Yugoslavia, for the end of 1988. Interest of the general public in our Resource Center and Hilandar Research Library has been evidenced by hundreds of domestic and foreign visitors coming to see the Center and the Library.

Individual scholars and academic institutions often send us requests for information and assistance in their research. Just to mention a few, we received a photocopy of a Vatican Slavic Manuscript #8, written in a secret alphabet which they sent to us of all the places to decipher. And we did send them an alphabet, with instructions on how to read the rest of the manuscript. Another thing is that Professor Cornelia Gutz in Romania, worked about twenty years on a manuscript, not knowing that the missing first leaf was at another library and available through us. Bulgarians are very grateful to us because we discovered the exact date of the death of Paissy, one of their great heroes, comparable to George Washington. Just imagine someone in Bulgaria discovering the exact date of George Washington's birth or death, 200 years after it happened. A number of European Academies of Science and Arts, universities, national libraries, and other academic institutions have been sending us books and periodicals free of charge, which is a savings of thousands of dollars.

Both the Resource Center and Hilandar Research Library are well known and highly respected in the academic world of all European countries, both in Western and Eastern Europe. I regret to say that they value the Hilandar Research Project more than it is valued on our own campus.

We have frequent contacts and continuous academic cooperation with Academies of Sciences and Arts, universities, monastic and national libraries involving conferences, exchange of information, exchange of specialists, exchange or acquisition of microforms from the following countries: Canada, Greece, Cyprus, Italy, Sweden, France, Belgium, The Netherlands, Poland, Czechoslovakia, Bulgaria, Hungary, Romania, the Soviet Union, and Yugoslavia. Dr. Predrag Matejic and I have just returned this Monday from Yugoslavia, where we concluded a number of important discussions and agreements which will lead to extensive cooperation and provide exciting opportunities for the further development of our Center and the Hilandar Research Library. Thank you.

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Professor Predrag Matejic:

The Hilandar Research Library is one of six special collection libraries of The Ohio State University Libraries. To honor its initiative and concern, Hilandar Monastery's name -- that was the first place we went -- is preserved in the name of the Hilandar Research Library. It is the goal of this library to gather in microform or print as many Slavic manuscripts and related material as possible in one location here at The Ohio State University, and to make these materials accessible to all scholars. Through acquisition, exchange, or direct microfilming, we are constantly striving to increase our holdings. Through cataloging and description, information regarding this largely unresearched material becomes available. Through our own research, and the research support we give others, scholarly contributions are made worldwide.

We now have microforms of approximately 2,200 manuscripts, primarily Slavic. It is the second largest such collection in the world, and will likely be the largest within five years.

Composed of materials from 17 different countries and 38 private, monastic and public libraries, the Hilandar Research Library offers scholars a unique opportunity to investigate the thousand-year written cultural heritage of the Eastern Orthodox Slavs. The Hilandar Research Library is equipped with microfilm and microfiche readers, with the best available reader-printer, and with several computers. This equipment and the possibilities for comparative research have led scholars throughout the world to seek a means by which to come to Ohio State. As one scholar recently stated, "she was able to do in three months at Ohio State what she couldn't have done in three years anywhere else."

In the United States librarians and scholars have privately admitted that the Hilandar Research Library and Ohio State now hold the foremost place in medieval Slavic resources in the United States. Both of the major Slavic professional organizations in this country have now recommended to their members that all such privately held material in microform be sent to us to be copied and made available. Recently, The Ohio State University Libraries were the recipient of a \$158,000 Title II-c Grant under the Higher Education Act to preserve the collection and to catalog it on OCLC and LCS. Thus, information regarding this material and its availability at Ohio State will now be available to over 10,000 libraries. Furthermore, we will have an opportunity to establish the standards by which such material is cataloged in this country.

Our future plans include not only the acquisition of additional materials on microform and the further development of what is already considered an excellent reference collection, but the application of new technology, especially computers, to the organization and study of medieval Slavic materials. These databases, both bibliographic and descriptive, will provide researchers worldwide with the best possible and easiest access to this material which is traditionally only available to them at great cost of time and expense.

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Professor Matejic: (contd)

Many people and scholars in the world have only heard of The Ohio State University because the Hilandar Research Library exists and offers hope to them that we can gather on microform the scattered past of the Eastern Orthodox Slavs, 90% of whose manuscripts have been lost forever. They support our dream and goal to gather together as much of that which is remaining as is possible, for they know that once it is in our hands, it is also accessible to them.

Thank you for this opportunity to share with you information on one of the thirty-nine libraries and reading rooms at Ohio State. Thank you.

Mr. Redman:

Dr. Brand --

Dr. Brand:

As you can see, the University is involved in medical research, hi-tech research, and also preserving our past. It is important that the institution have a diversity of research efforts and we are part of the international community in this regard. We are proud to have the Hilandar Library as part of The Ohio State University.

Mr. Redman:

Thank you.

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NEW DEGREE PROGRAM

Resolution No. 88-29

Synopsis: The establishment of a Master of Arts degree program in Slavic and East European Studies is proposed.

WHEREAS the Council on Research and Graduate Studies and the Council on Academic Affairs have approved the establishment of a Master of Arts degree program in Slavic and East European Studies; and

WHEREAS currently no comparable degree program in Slavic and East European Studies exists in Ohio, the proposed Master of Arts program would fulfill a state-wide need; and

WHEREAS sufficient resources and student demand exist to support the proposed Master of Arts degree program in Slavic and East European Studies; and

WHEREAS the University Senate has approved this action at its September 26, 1987 meeting;

NOW THEREFORE

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NEW DEGREE PROGRAM (contd)

BE IT RESOLVED, That the establishment of the Master of Arts degree program in Slavic and East European Studies is hereby approved.

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

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REORGANIZATION OF THE COLLEGE OF EDUCATION

Resolution No. 88-30

Synopsis: A proposal to reorganize the College of Education into five units is proposed.

WHEREAS the Faculty Senate of the College of Education approved the reorganization of the College from four units (Department of Human Services Education; Department of Educational Policy and Leadership; Department of Educational Theory and Practice; and School of Health, Physical Education, and Recreation) to five units (Department of Educational Services and Research; Department of Educational Policy and Leadership; Department of Educational Theory and Practice; the Department of Educational Studies: Humanities, Science, Technological and Vocational; and the School of Health, Physical Education, and Recreation). The School of Health, Physical Education, and Recreation is not effected; and

WHEREAS the current organization of the College of Education is composed of departments of unequal size and diversity of programs; and

WHEREAS the proposed reorganization will group together individuals with similar interests and programs of similar academic functions thereby making it easier for the College to manage programmatic needs; and

WHEREAS the proposed reorganization has been approved by the University Senate at its September 26, 1987 meeting:

NOW THEREFORE

BE IT RESOLVED, That the proposal to reorganize the College of Education is hereby approved.

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

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AMENDMENTS TO THE RULES OF THE UNIVERSITY FACULTY

Resolution No. 88-31

Synopsis: Amendments to rules 3335-3-35 and 3335-5-483 is being proposed.

WHEREAS the University Senate pursuant to rule 3335-1-09 of the Administrative Code is authorized to recommend through the President to

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AMENDMENTS TO THE RULES OF THE UNIVERSITY FACULTY (contd)

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 September 26, 1987, as follows:

AMENDED RULES

3335-3-35 Chairpersons of departments, directors of schools.

(A) unchanged.

(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.
- (2) To develop in consultation with the faculty a pattern of administration. This pattern of administration shall be made available to all present and prospective members of the faculty of the department or school, and a copy shall be deposited in the office of the dean of the college and in the office of the vice president for academic affairs and provost.

For purposes of defining minimum content, the following shall be included in the pattern of administration:

- (a) A statement requiring the chair to provide a schedule of all regular faculty meetings (see rule 3335-5-18 of the Administrative Code) to all faculty members before the start of each quarter, semester, or session.
- (b) A statement requiring the chair to maintain minutes of all faculty meetings and to maintain records of all other actions covered by the pattern of administration.
- (c) A statement that the chair will consult with the faculty as a whole on all policy matters, and that such consideration will, whenever practicable, be undertaken at a meeting of the faculty as a whole.
- (d) A statement recognizing in principle the presumption favoring majority faculty rule on all matters covered by the pattern of administration. This statement shall further provide that whenever majority faculty rule is not followed, the department or faculty chairperson, or school director, or dean and director of a regional campus, whichever is the case, shall explain the reasons for the departure to enhance communication and to facilitate understanding within the department. Where possible, this statement of reasons shall be provided before the departure occurs. This explanation shall outline the decision of the majority of the faculty, the decision of the department or faculty chairperson, or school director, or dean and director of the regional campus, whichever is

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AMENDMENTS TO THE RULES OF THE UNIVERSITY FACULTY (contd)

the case, and the reasons the decisions differ. The explanation shall be communicated to the faculty in writing, where possible, or at a faculty meeting, with an opportunity provided for faculty to comment.

- (e) A statement affirming that the faculty shall be consulted in the initiation and in the review and selection of new faculty members for appointment.

Balance unchanged.

3335-5-483 Committee on university bookstores.

(A) Membership.

The committee on university bookstores shall consist of eleven members.

- (1) Five regular faculty one of whom is a member of the university libraries, elected by the faculty council. The term of service is three years.
- (2) Four students. The term of service is one year.
 - (a) One graduate student.
 - (b) One professional student.
 - (c) Two undergraduate students.
- (3) Two administration members, non-voting.
 - (a) Vice president for business and administration, or designee.
 - (b) Director, the Ohio state university bookstores.

(B) Duties and responsibilities.

- (1) Review short- and long-term plans and objectives recommended by the management of the Ohio state university bookstores and, in cooperation with that management develop, revise, and recommend basic policies, programs, and objectives. These would include, but not be limited to:
 - (a) Reviewing proposals to open or close branches.
 - (b) Monitoring and reporting to the senate periodically on the financial status of the bookstores.
 - (c) Recommending actions that promote the scholarly nature of the bookstores.
 - (d) Developing policies that enhance the timely availability of both new and used textbooks.

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AMENDMENTS TO THE RULES OF THE UNIVERSITY FACULTY (contd)

- (e) Recommending changes to maintain adequate educational materials, services, and organization.
- (2) Make recommendations on these matters to the director of the Ohio state university bookstores, and to the university senate as appropriate. The vice president for business and administration, the vice president for finance, and the office of the university senate shall be notified of these recommendations.

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

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NAMING OF BUILDING

Resolution No. 88-32

Synopsis: The naming of the building under construction on the Columbus campus at 10th and Neil Avenues, now described as The Ohio State University Cancer Hospital and Research Institute, is proposed.

WHEREAS the Board of Trustees, pursuant to rule 3335-1-08 (G) of the Administrative Code, has the authority to name all buildings and structures at The Ohio State University; and

WHEREAS the building being constructed on the Columbus campus at 10th and Neil Avenues is currently described as The Ohio State University Cancer Hospital and Research Institute; and

WHEREAS the Cancer Hospital and Research Institute symbolizes the lifelong commitment of Dr. Arthur G. James to medicine and the improvement of the quality of life for all people; and

WHEREAS Arthur G. James envisioned and planned for the building of a cancer hospital at The Ohio State University since the mid-1950s; and

WHEREAS he has worked tirelessly in recruiting world-class doctors and researchers and in raising funds for the research and the laboratories; and

WHEREAS the President recommended, with the concurrence of the President's staff, that the aforementioned building at 10th and Neil Avenues be named in honor of Arthur G. James:

NOW THEREFORE

BE IT RESOLVED, That hereafter the building at 10th and Neil Avenues shall bear the name, "Arthur G. James Hall" of The Ohio State University Cancer Hospital and Research Institute.

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NAMING OF BUILDING (contd)

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

Mr. Redman:

I might add, in connection with that, Len Immke who is not here, asked that his vote be recorded in favor of this, Mr. Secretary.

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HONORARY DEGREE

Resolution No. 88-33

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:

Josephine S. Failer

Doctor of Humanities

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. Bowser, seconded by Mr. Teaford, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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PERSONNEL ACTIONS

Resolution No. 88-34

RESOLVED, That the personnel actions as recorded in the Personnel Budget Records of the University since the September 4, 1987 meeting of the Board, including the following Leaves of Absence Without Salary, Leaves of Absence Without Salary--Continuation, Professional Improvement Leave, and Emeritus Titles as detailed in the University Budget be approved, and the Medical Staff Appointments/Reappointments approved August 27, 1987, by the Hospitals Board be ratified.

Leaves of Absence Without Salary

OSCAR FISCH, Professor, Department of City and Regional Planning, effective Autumn Quarter 1987, for personal reasons.

KAMRAN MAJIDZADEH, Professor, Department of Civil Engineering, effective Autumn Quarter 1987, for personal reasons.

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PERSONNEL ACTIONS (contd)

Leaves of Absence Without Salary (contd)

PAUL G. NEVAI, Professor, Department of Mathematics, effective Autumn Quarter 1987, Winter Quarter and Spring Quarter 1988, to accept a Professorship at the University of South Carolina.

ALLAN K. WILDMAN, Professor, Department of History, effective Autumn Quarter 1987 and Spring Quarter 1988, to accept an NEH Fellowship.

SHELDON KAMIENNY, Associate Professor, Department of Mathematics, effective Autumn Quarter 1987, Winter Quarter and Spring Quarter 1988, to do research at the University of Arizona.

CATHERINE M. CONAGHAN, Assistant Professor, Department of Political Science, effective Autumn Quarter 1987, Winter Quarter and Spring Quarter 1988, to accept a Visiting Assistant Professorship at Queen's University, Kingston, Canada.

REBECCA D. JACKSON, Assistant Professor, Department of Internal Medicine, effective August 15, 1987, through September 20, 1987, for medical reasons.

DWAIN MEFFORD, Assistant Professor, Department of Political Science, effective Autumn Quarter 1987, Winter Quarter and Spring Quarter 1988, to accept a Merriam Postdoctoral Fellow at the University of Illinois Urbana/Champaign.

CRICHTON L. OGLE, Assistant Professor, Department of Mathematics, effective Winter Quarter and Spring Quarter 1988, to lecture and do research at Max-Planck Institute, I.H.E.S., Oxford University and Aarhus University.

MARGARITA L. OPHEE-MAZO, Assistant Professor, School of Music, effective Autumn Quarter 1987, Winter Quarter and Spring Quarter 1988, to accept a fellowship grant from the Woodrow Wilson International Center for Scholars at the Smithsonian Institution.

Leaves of Absence Without Salary--Continuation

ALI E. ENGIN, Professor, Department of Engineering Mechanics, effective Autumn Quarter 1987, Winter Quarter and Spring Quarter 1988, to work at Ankara University in Turkey.

MAHESH G. NERURKAR, Instructor, Department of Mathematics, effective Autumn Quarter 1987, Winter Quarter and Spring Quarter 1988, to visit Rutgers University.

Professional Improvement Leave

H. RANDOLPH BOBBITT, JR., Chairperson and Professor, Academic Faculty of Management and Human Resources, effective Winter Quarter and Spring Quarter 1988.

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PERSONNEL ACTIONS (contd)

Emeritus Titles

JEAN S. BOWERS, Department of Family Resource Management, with the title Professor Emeritus, effective July 1, 1987.

R. BRUCE CURRY, Department of Agricultural Engineering, with the title Professor Emeritus, effective October 1, 1987.

ESTHER A. MEACHAM, Department of Textiles and Clothing, with the title Professor Emeritus, effective September 1, 1987.

JOHN L. PARSONS, Department of Agronomy, with the title Professor Emeritus, effective October 1, 1987.

HENRY R. VELKOFF, Department of Mechanical Engineering, with the title Professor Emeritus, effective September 1, 1987.

TRUMAN G. FOSTER, Department of Mechanical Engineering, with the title Associate Professor Emeritus, effective August 27, 1987.

WILLIAM R. RILEY, Department of Physics, with the title Associate Professor Emeritus, effective July 1, 1987.

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

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RESOLUTIONS IN MEMORIAM

Resolution No. 88-35

Synopsis: Resolutions honoring the service of two 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.

Ralph Currier Davis

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on November 21, 1986, of Ralph Currier Davis, Professor Emeritus in the College of Business - Administration.

Professor Davis was born on December 24, 1894. He was a graduate of Cornell University with a degree in Mechanical Engineering. He received his Master of Arts from The Ohio State University and an honorary Doctor of Science from Wayne State University. He joined the faculty at Ohio State as an Assistant Professor in 1923. Upon his retirement in 1965, he was named Professor Emeritus.

Professor Davis earned a world-wide reputation for his pioneering work in the development of theories of organization and general administrative

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RESOLUTIONS IN MEMORIAM (contd)

Ralph Currier Davis (contd)

management. The teaching and practice of management for many years reflected the "R. C. Davis approach" to delineation of structures and concepts. Graduate students in management sought out Ohio State University for the privilege of taking work under him. Many of his students became outstanding contributors to the field of management in their own right.

His stature in his field was recognized through numerous awards and distinctions. In 1959, he was the recipient of the Taylor Key from the Society for the Advancement of Management, and he served as Distinguished Visiting Professor at New York University in 1960.

Professor Davis's teaching was best adapted for graduate students, because of his emphasis on theoretical concepts. Students emerged from his seminars with an integrated view of the entire management process. He excelled in the teaching of principles of top management to business executives in executive development programs.

Professor Davis was co-founder, Fellow and past President of the Academy of Management. He was a Director and Officer of the Society for the Advancement of Management, and served as a consultant and speaker in the field of management for many years. He was the author of many important books, articles and papers on the science and practice of management. His widely-recognized The Fundamentals of Top Management, the culmination of a life-long effort devoted to the development of a comprehensive management philosophy, was heralded by business, government and military leaders the world over as one of the outstanding contributions to the field of management thought.

On behalf of the University community, the Board of Trustees expresses to the family of Ralph Currier Davis its deepest sympathy. 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.

John William Hibbs

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on August 19, 1987, of John William Hibbs, Professor Emeritus in the Department of Dairy Science.

Dr. Hibbs was born in 1917 in Cleveland, son of Edwin G. and Stella Thompson Hibbs. Upon graduation from Greensburg High School, he enrolled at Kent State University. Later, he transferred to The Ohio State University where he was awarded the Bachelor of Science degree in Animal Husbandry in 1940. While completing his graduate studies, he served as a research assistant in dairy industry at the OARDC. The Doctorate was presented to him in 1947; he specialized in animal nutrition and physiology.

From that time on, he worked for OARDC and The Ohio State University, becoming Associate Chairman in 1971. Upon his retirement in 1983, after 43 years of service, he was named Professor Emeritus. From November

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RESOLUTIONS IN MEMORIAM (contd)

John William Hibbs (contd)

1969, until November 1971, he served in India as an adviser in animal nutrition and physiology under an OSU/U.S. Agency for International Development contract. Returning to India in 1975, he consulted for three months in the Department of Nutrition and Physiology at the National Dairy Research Center in Karnal.

Among his awards, most notable was the Borden Award in Dairy Production in 1952, followed by the American Feed Manufacturer's Award in 1962. During his career, he wrote or co-authored 441 publications and articles. He was a Fellow in the American Association for the Advancement of Science.

On behalf of the University community, the Board of Trustees expresses to the family of John William Hibbs its deepest sympathy. 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.

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

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REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS

Resolution No. 88-36

Synopsis: The reports on contracts, grants, and gifts and the summary for August 1987 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 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 and The Ohio State University Development Fund during the month of August 1987 be approved.

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

October 1 and 2, 1987 meeting, Board of Trustees

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

SUMMARY FOR AUGUST 1987

Source	No. of Projects	Support Level
The Ohio State University Research Foundation	128	\$10,287,810.46
Engineering Experiment Station	43	767,341.00
Total	171	\$11,055,151.46
The Ohio State University Development Fund		
Establishment of Named Fund		
The Antoinette Lowry Barr Scholarship Fund (Scholarships for graduate students in education)		\$ 50,000.00
The Landscape Architecture Lecture Fund (Funding lectures on landscape architecture)		\$ 15,000.00
The Rodney F. Plimpton, Jr., Memorial Scholarship Fund in Animal/Meat Science (Scholarships)		\$ 15,000.00
The Florence Levy Miller and I. George Miller Memorial Scholarship Fund (Scholarships for students majoring in Family Relations and Human Development)		\$ 10,330.00
The Norman R. Sleight Newark Campus Scholarship Fund (Scholarships)		\$ 5,000.00
Change in Description of Named Funds		
Nicholas D. and Evangeline Jonson Memorial Scholarship Fund		
Kappa Phi Kappa Fund		

The Ohio State University Campaign
 Progress Report
 Through June 30, 1987
 (University Development/DSP Combined)

October 1 and 2, 1987 meeting, Board of Trustees
 REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (cont'd)

	*Campaign Expectancies	Current Year Campaign Receipts (July-June 87)	Previous Years' Campaign Receipts As of June 30, 1986	Total	Goal	Campaign % Achieved	
Alumni	\$48,493,651	\$15,404,496	\$12,112,433	\$76,010,580	\$122,500,000	62	
Friends	35,030,834	10,174,960	10,625,810	55,831,604	70,000,000	80	
**Corporations	12,221,735	34,249,425	32,588,581	79,059,741	122,500,000	65	
Foundations	<u>3,495,500</u>	<u>4,941,117</u>	<u>3,984,411</u>	<u>12,421,028</u>	<u>35,000,000</u>	35	
Totals	\$99,241,720	\$64,769,998	\$59,311,235	\$223,322,953	\$350,000,000	64	

*Defined as pledges and deferred commitments less payments already received.

**Corporations, businesses, associations and private agencies.

REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (cont'd)

THE OHIO STATE UNIVERSITY
OFFICE OF UNIVERSITY DEVELOPMENT
TOTAL UNIVERSITY PRIVATE GIFT SUPPORT

July-June
1985-86 compared to 1986-87

GIFT RECEIPTS BY DONOR TYPE

	Donors			Dollars			
	July through June 1985-86	July through June 1986-87	% Change	July through June 1985-86	July through June 1986-87	% Change	
Alumni	47,154	51,015	8	\$9,681,743	\$15,404,496	59	
Non-Alumni	27,016	27,034	-	6,498,996	10,174,960	57	
Corporations	1,705	1,956	15	14,931,649	20,250,548	36	
Corporate Foundations	249	286	15	1,968,910	2,167,649	10	
Private Foundations	124	138	11	3,758,048	4,941,117	31	
Other	<u>748</u>	<u>811</u>	8	<u>13,554,716</u>	<u>11,831,228</u>	(13)	
TOTAL	76,996	81,240	6	\$50,394,062	\$64,769,998	29	

October 1 and 2, 1987 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION

Report - August 1987

Federal Research Contracts/Grants

\$1,626,677.00 - National Science Foundation, Washington, D.C., Engineering Research Center for Net Shape Manufacturing, Engineering Experiment Station (T. Altan), 1 May 1987 through 30 April 1988. (Project 765393 - Continuation)

\$871,500.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Spinal Cord Injury Research Center, Department of Surgery (W. E. Hunt) and Department of Physiology (B. T. Stokes), 1 September 1987 through 31 August 1988. (Project 763358 - Continuation)

\$672,904.00 - Department of Education, Office of Special Education and Rehabilitation Services, Washington, D.C., Services for Deaf-Blind Children and Youth, College of Education - Administration (T. M. Stephens), 1 October 1987 through 30 September 1988. (Project 766294 - Continuation)

\$321,802.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Department of Pathology (D. L. Fry), 1 September 1987 through 31 August 1988. (Project 763184 - Continuation)

\$257,784.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Biogenesis of Mitochondria in Neurospora, Department of Molecular Genetics (A. M. Lambowitz), 1 September 1987 through 31 August 1988. (Project 765538 - Continuation)

\$194,803.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Population and Evolutionary Genetics of Organelles, Department of Molecular Genetics (G. W. Birky, Jr.), 1 September 1987 through 31 August 1988. (Project 764994 - Continuation)

\$175,113.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Fragment Crystallizable Receptor Structure and Function, Department of Internal Medicine (C. L. Anderson), 1 September 1987 through 31 August 1988. (Project 765701 - Continuation)

\$174,849.00 - Department of Health and Human Services, Public Health Service, Alcohol, Drug Abuse, and Mental Health Administration, Rockville, Maryland, Personality, Psychological Stress, and Immuno-competence, Department of Medical Microbiology and Immunology (M. R. Glaser) and Department of Psychiatry (J. Klecolt-Glaser), 1 September 1987 through 31 August 1988. (Project 764961 - Continuation)

\$169,000.00 - Department of Agriculture, Science and Education, Washington, D.C., Anaerobic Metabolism in Echinochloa crusgalli (barnyard grass) Seed, Department of Horticulture-OARDC and Department of

October 1 and 2, 1987 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

Horticulture (R. A. Kennedy), 1 August 1987 through 31 July 1989.
(Project 766298 - New)

\$163,339.00 - Department of Health and Human Services, Public Health Service, Alcohol, Drug Abuse, and Mental Health Administration, Rockville, Maryland, Antidepressant Drugs in Treatment of Anxiety Disorders, Department of Psychiatry (M. R. Mavissakalian), 1 September 1987 through 31 August 1988. (Project 765702 - Continuation)

\$148,188.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Tumor-Localizing Boron Compounds for Chemoradiotherapy, College of Pharmacy (A. H. Soloway) and Department of Pathology (R. F. Barth), 1 September 1987 through 31 August 1988. (Project 765629 - Continuation)

\$147,869.00 - International Development Cooperative Agency, Washington, D.C., U.S. AID Program Support Grant for Fiscal Years 1986-90, Office of International Programs in Agriculture (D. O. Hansen), 1 July 1987 through 28 August 1988. (Project 765750 - Continuation)

\$139,899.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Development of Cerebellar Circuits, Department of Anatomy (J. S. King), 1 September 1987 through 31 August 1988. (Project 760045 - Continuation)

\$135,000.00 - Department of Agriculture, Science and Education, Washington, D.C., Porcine IgG Receptors in Developing and Lactating Mammary Gland, Department of Animal Science-OARDC (F. A. Simmen and R. C. Simmen), 1 August 1987 through 31 July 1990. (Project 766326 - New)

\$134,402.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Reduction of Doxorubicin Cardiotoxicity by ICRF-187, Department of Internal Medicine (D. V. Unverferth), 1 August 1987 through 31 July 1988. (Project 765637 - Continuation)

\$129,622.00 - Environmental Protection Agency, Washington, D.C., Role of Xenobiotics in Modifying Replicating DNA, Department of Physiological Chemistry and Cancer Research Center (G. E. Milo), 1 August 1986 through 31 July 1988. (Project 765679 - Continuation)

\$127,000.00 - National Science Foundation, Washington, D.C., Formation of Hybrid Natural Products by Interspecies Cloning of Streptomyces, Department of Chemistry (H. G. Floss) and Department of Microbiology (W. R. Strohl), 1 August 1987 through 31 January 1989. (Project 765635 - Continuation)

\$126,000.00 - Department of Energy, Argonne, Illinois, Molecular Ferromagnetism, Department of Physics and Department of Chemistry (A. J. Epstein), 1 August 1987 through 31 July 1988. (Project 765592 - Continuation)

October 1 and 2, 1987 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

\$123,056.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Stochastic Fourier Transform Ion Cyclotron Resonance Mass Spectrometry, Department of Chemistry, Department of Biochemistry and Chemical Instrumentation Center (A. G. Marshall), 1 September 1987 through 31 August 1988. (Project 763504 - Continuation)

\$122,429.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Cardiac Myocytes and the Cellular Response to Ischemia, Department of Physiological Chemistry (G. P. Brierley), 30 September 1987 through 29 September 1988. (Project 765733 - Continuation)

\$120,000.00 - National Science Foundation, Washington, D.C., The Ohio State University Materials Research Laboratory, Materials Research Laboratory (J. R. Gaines), 1 July 1987 through 30 June 1988. (Project 764920 - Continuation)

\$117,400.00 - National Science Foundation, Washington, D.C., Chemistry and Electrochemistry of Hot Corrosion of Metals, Department of Metallurgical Engineering (R. A. Rapp), 1 August 1987 through 31 July 1988. (Project 766299 - New)

\$110,284.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Excitatory Amino Acids in the Nucleus Accumbens, College of Pharmacy (N. J. Uretsky), 1 September 1987 through 31 August 1988. (Project 765017 - Continuation)

\$102,404.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Immunoprevention of Human T-Cell Leukemia Virus-I Infection, Department of Veterinary Pathobiology (R. G. Olsen and L. E. Mathes), 1 August 1987 through 31 July 1988. (Project 765057 - Continuation)

\$94,547.00 - Department of Education, Office of Special Education and Rehabilitation Services, Washington, D.C., Investigation of a Study Technique to Increase Learning Disabled Students' Reading Comprehension of Expository Text, Department of Human Services Education (J. O. Cooper and S. McCormick), 1 October 1987 through 30 September 1988. (Project 765043 - Continuation)

\$94,367.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Inhibitory Mechanism of Gossypol on Tapeworm, Department of Veterinary Pathobiology (Y. Rikihisa), 1 September 1987 through 31 August 1988. (Project 765683 - Continuation)

\$93,019.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Studies on the Dextran Sucrase of Streptococcus Sanguis, Department of Chemistry (R.

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

M. Mayer), 1 September 1987 through 31 August 1988. (Project 760160 - Continuation)

\$86,400.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Geriatric Leadership Academic Award, Department of Internal Medicine (R. L. Whisler), 1 September 1987 through 31 August 1988. (Project 766318 - New)

\$82,053.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, The Spectral Sensitivities of Turtle Photoreceptors, Department of Zoology (L. E. Lipetz), 1 September 1987 through 31 August 1988. (Project 762642 - Continuation)

\$80,000.00 - National Science Foundation, Washington, D.C., Benefit Cost Analysis and Public Decisions Concerning Natural Resources and Environment: A Study in Ethics and Values, Department of Agricultural Economics and Rural Sociology - OARDC and Department of Agricultural Economics and Rural Sociology (A. J. Randall) and Department of Philosophy (D. C. Hubin), 1 August 1987 through 31 January 1990. (Project 766280 - New)

\$78,346.00 - Department of Education, Office of Special Education and Rehabilitation Services, Washington, D.C., Inservice Training of Teachers on Communications Skills Training and Functionally-Referenced Curriculum to Benefit Severely Handicapped Students Including Deaf-Blind, College of Education - Administration (T. M. Stephens), 1 September 1987 through 31 August 1988. (Project 765650 - Continuation)

\$75,000.00 - National Science Foundation, Washington, D.C., Molecular Genetics of Extracellular Polysaccharide Synthesis in Erwinia stewartii, Department of Plant Pathology-OARDC and Department of Plant Pathology (D. L. Coplin), 1 October 1987 through 30 September 1988. (Project 766330 - New)

\$71,331.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Adaptive Mechanisms of Accommodation and Convergence, College of Optometry (R. Jones), 1 September 1987 through 31 August 1988. (Project 765633 - Continuation)

\$70,000.00 - Department of Education, Office of Educational Research and Improvements, Washington, D.C., Medieval Slavic Manuscripts in Microform: A Proposal for Preservation and Bibliographic Access, University Libraries (J. B. Fatzer), 1 October 1987 through 30 September 1988. (Project 765545 - Continuation)

\$65,798.00 - Department of Education, Office of Special Education and Rehabilitation Services, Washington, D.C., Training Grant in Rehabilitation Counseling, Department of Human Services Education (B. Growick and M. A. Klein), 1 September 1987 through 31 August 1988. (Project 765724 - Continuation)

October 1 and 2, 1987 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

\$65,554.00 - National Science Foundation, Washington, D.C., Fluid Flow and Cleanliness of Steel in Continuous Casting Tundishes, Department of Metallurgical Engineering (Y. Sahai), 1 July 1987 through 30 June 1988. (Project 765636 - Continuation)

\$65,338.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Parameter Identification of Human Postural Control, Department of Otolaryngology (K. Barin), 1 September 1987 through 31 August 1988. (Project 764984 - Continuation)

\$64,135.00 - Department of Education, Office of Special Education and Rehabilitation Services, Washington, D.C., Parent-Child Conversation: A Longitudinal Project for Research into Intervention with Language-Delayed Handicapped Children, Nisonger Center (J. MacDonald), 1 October 1987 through 30 September 1988. (Project 764417 - Continuation)

\$62,500.00 - National Science Foundation, Washington, D.C., Presidential Young Investigator Award, Department of Metallurgical Engineering (R. H. Wagoner), 1 July 1987 through 30 June 1988. (Project 764071 - Continuation)

\$60,000.00 - National Science Foundation, Washington, D.C., Inelastic Light Scattering Studies of Quantum-Layered Semi-conductors and Metallic Microstructures, Department of Physics (R. Sooryakumar), 1 July 1987 through 31 October 1988. (Project 766205 - New)

\$59,761.00 - Department of the Air Force, Air Force Systems Command, Bolling Air Force Base, D.C., Fundamental Research on Erosion in Magnetoplasmadynamic Thrusters, Department of Mechanical Engineering (J. W. Rich), 30 September 1987 through 29 September 1988. (Project 766307 - New)

\$55,935.00 - National Science Foundation, Washington, D.C., Behavioral and Neural Plasticity in the Developing Brain, Department of Psychology (J. P. Bruno), 14 August 1987 through 31 August 1988. (Project 766304 - New)

\$55,000.00 - National Science Foundation, Washington, D.C., An Integrated Task Approach to Expert Systems for Fault Diagnosis, Department of Chemical Engineering (J. F. Davis) and Department of Computer and Information Science (B. Chandrasekaran), 1 August 1987 through 31 January 1989. (Project 766282 - New)

\$54,391.00 - National Science Foundation, Washington, D.C., A "True" AC-Model for the MODFET, Department of Electrical Engineering (P. Roblin), 1 October 1987 through 31 March 1989. (Project 765676 - Continuation)

\$51,682.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Dietary Induced Aluminum Encephalopathy, Department of Veterinary Pathobiology

October 1 and 2, 1987 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

(J. F. Long), 1 September 1987 through 31 August 1988. (Project 765717 - Continuation)

\$50,633.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Gustatory Afferent Organization in the Solitary Nucleus, Oral Biology (S. P. Travers), 1 September 1987 through 31 August 1988. (Project 765694 - Continuation)

\$50,000.00 - Department of Energy, Argonne, Illinois, High Energy Physics - Experimental Program (Task A) Search for Neutrino Oscillations at LAMPF (E-645), Department of Physics (T. A. Romanowski, T. Ling, K. D. Lane, S. S. Pinsky, W. W. Wada, N. W. Reay, K. Reibel, N. R. Stanton, H. P. Kagan, R. D. Kass, J. Shigemitsu, A. J. Niemi, G. Stiegman and W. F. Palmer), 1 August 1987 through 31 December 1987. (Project 762116 - Continuation)

\$50,000.00 - Department of the Navy, Office of Naval Research, Washington, D.C., Stable Compositions for Fluoride Glasses, Department of Ceramic Engineering (P. K. Gupta), 2 July 1987 through 1 January 1989. (Project 766261 - New)

\$48,516.00 - Department of Energy, Argonne, Illinois, Theoretical Studies of Dynamics and Correlations in Heavy Electron Materials, Department of Physics (D. L. Cox), 15 August 1987 through 14 August 1988. (Project 766287 - New)

\$46,428.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Affinity Probes for Retinoic Acid-Binding Proteins, College of Pharmacy (R. W. Curley), 1 August 1987 through 31 July 1988. (Project 765069 - Continuation)

\$43,938.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Preclinical Pharmacology Investigations of Antitumor Agents, College of Pharmacy (L. Malspeis), 31 July 1987 through 31 October 1987. (Project 765385 - Continuation)

\$40,000.00 - National Science Foundation, Washington, D.C., Purchase of an Electron Spin Resonance (ESR) Spectrometer, Department of Chemistry (L. J. Berliner, D. H. Busch, M. S. Platz and A. G. Marshall) and Chemical Instrumentation Center and Department of Biochemistry (A. G. Marshall), 1 September 1987 through 28 February 1990. (Project 766284 - New)

\$35,384.00 - National Aeronautics and Space Administration, Washington, D.C., Analysis of ATMOS Occultation Spectra, Department of Physics (J. H. Shaw), 1 July 1987 through 30 June 1988. (Project 766291 - New)

\$35,000.00 - Department of Energy, Washington, D.C., Energy Reactor Sharing Program, Engineering Experiment Station (R. D. Myser), 1 September 1987 through 31 August 1988. (Project 762411 - Continuation)

October 1 and 2, 1987 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

\$30,500.00 - National Science Foundation, Washington, D.C., The Definable Continuum Hypothesis, Department of Mathematics (M. Foreman), 1 July 1987 through 31 December 1989. (Project 766272 - New)

\$28,650.00 - National Science Foundation, Washington, D.C., Spectroscopic Observations of Active Galactic Nuclei, Department of Astronomy (B. M. Peterson), 1 August 1987 through 30 April 1989. (Project 766292 - New)

\$26,929.00 - Department of the Army, Army Material Command, Natick, Massachusetts, Water Purification Devices, Department of Civil Engineering (A. J. Rubin), 6 August 1987 through 5 August 1989. (Project 766319 - New)

\$24,735.00 - National Aeronautics and Space Administration, Lewis Research Center, Cleveland, Ohio, Lubrication of Triboelements, Department of Mechanical Engineering (B. J. Hamrock), 1 July 1987 through 30 September 1989. (Project 766311 - New)

\$21,900.00 - National Science Foundation, Washington, D.C., Relaxation and Magnetic Ordering in Highly Polarized Spin Systems, Department of Physics (J. R. Gaines), 1 August 1987 through 31 July 1988. (Project 764313 - Continuation)

\$21,208.00 - National Science Foundation, Washington, D.C., The Urban Development Process and the Rise of the New Spatial Politics, Department of Geography (K. R. Cox), 1 July 1987 through 30 June 1988. (Project 765515 - Continuation)

\$20,262.00 - National Science Foundation, Washington, D.C., Applications of Algebraic Geometry to Quasi-Periodic Soliton Theory, Department of Mathematics (M. G. Forest), 1 May 1987 through 30 April 1988. (Project 764465 - Continuation)

\$20,000.00 - National Science Foundation, Washington, D.C., Collaborative Research: Climatic History of the Western Amazon Basin and the Equatorial Andes Since 18K, Department of Zoology (P. A. Colinvaux), 1 August 1987 through 31 July 1988. (Project 766323 - New)

\$17,800.00 - National Aeronautics and Space Administration, Washington, D.C., The Potential Role of Calmodulin in the Gravitropic Response, Department of Botany (M. L. Evans and C. L. Stinemetz), 1 June 1987 through 31 May 1988. (Project 764741 - Continuation)

\$16,750.00 - National Science Foundation, Washington, D.C., Mathematical Sciences: Cohomology of Arithmetic Groups, Department of Mathematics (A. D. Ash), 15 June 1987 through 30 November 1988. (Project 766269 - New)

\$15,472.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Mechanical Control and Energetics of Muscle Contraction, Department of Physiology (E. Bozler), 1 September 1987 through 31 August 1988. (Project 760924 - Continuation)

October 1 and 2, 1987 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

\$15,000.00 - Department of the Army, Army Research Office, Research Triangle Park, North Carolina, The Chemistry of Hexaazotriphenylene Hexanitile, A Polyfunctional Heterocycle With Potential Utility In The Formulation of Thermostable Polymers, Department of Chemistry (A. W. Czarnik), 1 August 1987 through 31 July 1988. (Project 764885 - Continuation)

\$12,650.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, A 60 Kilodalton (Kd) Oncofetal Protein Associated with Carcinogenesis, Department of Physiological Chemistry (T. E. Webb), 1 August 1986 through 31 January 1988. (Project 765588 - Continuation)

\$10,000.00 - Department of the Interior, National Park Service, Washington, D.C., Interpreting Biological Diversity Issues, Department of Natural Resources-OARDC and School of Natural Resources (R. W. Mullins) and School of Natural Resources (J. L. Heywood and R. W. Fortner), 1 July 1987 through 30 September 1988. (Project 766309 - New)

\$8,000.00 - National Science Foundation, Washington, D.C., Mathematical Sciences: Investigations in the Theory of Orthogonal Polynomials, Department of Mathematics (P. Nevai), 1 July 1987 through 31 December 1988. (Project 764661 - Continuation)

\$7,463.00 - Environmental Protection Agency, Chicago, Illinois, Acid Deposition Monitoring Program for Western Lake Erie, Center for Lake Erie Area Research (C. E. Herdendorf), 1 July 1987 through 30 June 1988. (Project 763579 - Continuation)

\$6,840.00 - Department of Agriculture, Science and Education, Fort Collins, Colorado, Seed Deterioration Studies, Department of Agronomy - OARDC and Department of Agronomy (M. B. McDonald), 15 December 1986 through 30 June 1987. (Project 766274 - New)

\$5,067.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Kodak Ektachem DT 60 Analyzer System, College of Nursing - Administration (K. S. Stone), 1 August 1987 through 31 July 1988. (Project 766300 - New)

\$3,304.00 - National Science Foundation, Washington, D.C., Dissertation Research: The Influence of Competition and Environmental Heterogeneity on the Movement Patterns of a Benthic Invertebrate, Department of Zoology (P. L. Chesson and R. A. Stein), 15 June 1987 through 30 November 1988. (Project 766306 - New)

\$688.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Endotracheal Suctioning in Acutely Ill Adults, Department of Life Span Process (K. S. Stone), 1 April 1987 through 31 March 1988. (Project 765998 - Continuation)

TOTAL - FEDERAL AWARDS

\$8,609,598.00

October 1 and 2, 1987 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

\$294,000.00 - State of Ohio, Department of Development, Columbus, Ohio, Phase II of the Ohio Superconducting Super Collider Siting Task Force, Research & Graduate Studies Administration (J. M. Hollander), 1 February 1987 through 30 June 1989. (Project 765972 - Continuation)

\$250,000.00 - State of Ohio, Commission on Aging, Columbus, Ohio, OSU Alzheimer's Disease Research Center, College of Medicine - Administration (G. L. Trzebiatowski), 1 July 1987 through 29 February 1988. (Project 766254 - New)

\$124,533.00 - State of Ohio, Department of Education, Columbus, Ohio, Labor Market Information Development, Center for Human Resource Research (H. R. Blaine) and Academic Faculty of Management and Human Resources (S. Mangum), 1 July 1987 through 30 June 1988. (Project 766276 - Continuation)

\$94,970.00 - State of Ohio, Department of Development, Columbus, Ohio, Youth Correction and Population Management in Ohio: A Policy Development Project, School of Public Administration (C. R. Huff), 1 July 1987 through 30 June 1988. (Project 766240 - New)

\$44,000.00 - State of Ohio, Board of Regents, Columbus, Ohio, Numerical Problem Solving Pre-Algebra Project, Department of Educational Theory and Practice (A. Osborne) and Department of Mathematics (F. Demana), 1 August 1987 through 31 December 1988. (Project 766286 - New)

\$40,000.00 - State of Ohio, Department of Mental Health, Columbus, Ohio, Proposal for Level II Funding Forensic Psychology Traineeship, Department of Psychology (H. L. Mirels), 1 July 1987 through 30 June 1988. (Project 766310 - New)

\$31,858.00 - State of Ohio, Department of Education, Columbus, Ohio, Ohio Ventures in Business Ownership Project, The National Center for Research in Vocational Education (R. D. Ryan, Jr.), 1 July 1987 through 30 June 1988. (Project 766295 - New)

\$23,000.00 - State of Ohio, Department of Mental Health, Columbus, Ohio, Bereavement in Children -- Six Month Follow-Up, Department of Psychiatry (E. B. Weller), 26 May 1987 through 30 June 1988. (Project 766302 - New)

\$17,875.00 - State of Ohio, Department of Natural Resources, Columbus, Ohio, Geodetic Advisor for the State of Ohio, Center for Mapping (J. D. Bossler), 1 July 1987 through 30 June 1988. (Project 766336 - New)

\$7,840.00 - State of Ohio, Industrial Commission, Columbus, Ohio, Graduate Student Internships, Department of Human Services Education (D. J. Tosi and P. S. Wise), 1 July 1987 through 31 August 1987. (Project 766325 - Continuation)

\$5,000.00 - State of Ohio, Department of Rehabilitation and Correction, Columbus, Ohio, A Third-Party Evaluation of Clients' Satisfaction with Technical Assistance, The National Center for Research in Vocational

October 1 and 2, 1987 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)

Education (R. D. Ryan, Jr.), 5 June 1987 through 28 February 1988.
(Project 766322 - New)

\$3,000.00 - State of Ohio, Department of Natural Resources, Columbus, Ohio, The Integration of Remotely-Sensed Data with Computer Based Land and Water Quality Data for the Evaluation of Alternative Land Management Practices within the Big Darby Creek Watershed, Department of Landscape Architecture (J. W. Simpson), 1 July 1987 through 1 June 1988. (Project 766321 - New)

\$1,375.00 - State of Ohio, Ohio Arts Council, Columbus, Ohio, OSU Gallery Film and Video Series, College of The Arts - Administration (J. W. Green), 30 August 1987 through 30 June 1988. (Project 766156 - Continuation)

\$103.00 - State of Ohio, Ohio Arts Council, Columbus, Ohio, Kurt Jooss' The Green Table, Department of Dance (O. Blum), 1 December 1987 through 31 May 1988. (Project 766157 - Continuation)

TOTAL - STATE OF OHIO AWARDS \$ 937,554.00

Industrial Research Contracts/Grants

\$90,926.00 - The Lubrizol Corporation, Wickliffe, Ohio, The Relative Effects of Diets Containing High-oleic Sunflower Oil, Corn Oil, or Butter on Serum Lipids in Men, School of Allied Medical Professions (G. M. Wardlaw) and Department of Human Nutrition and Food Management (J. T. Snook), 1 September 1987 through 31 August 1988. (Project 766293 - New)

\$58,154.00 - Tektronix, Inc., Vancouver, Washington, Assisting Tektronix, Inc., in Marketing to Postsecondary Institutions, National Center for Research in Vocational Education (R. D. Ryan, Jr.), 1 August 1987 through 30 September 1988. (Project 765831 - Continuation)

\$56,148.96 - Wyeth Laboratories, Philadelphia, Pennsylvania, Phase II Evaluation of the Hemodynamic Effects of Intravenous Recainam in Patients Undergoing Elective Cardiac Catheterization, Department of Internal Medicine (D. B. Van Fossen and C. A. Bush), 1 August 1987 through 31 January 1988. (Project 766289 - New)

\$52,500.00 - Teledyne Incorporated, Toledo, Ohio, Propfan Characterization Study, Department of Electrical Engineering, ElectroScience Laboratory (L. Peters, Jr.), 1 June 1987 through 31 May 1988. (Project 766312 - New)

\$26,270.00 - Triton Biosciences, Inc., Alameda, California, Open-Label Phase I/II Study to Evaluate the Safety of Combination Therapy with AZT and Betaseron in Patients with AIDS or Poor-Prognosis AIDS-Related Complex, Department of Internal Medicine (J. J. Rinehart), 1 August 1987 through 31 July 1988. (Project 766301 - New)

October 1 and 2, 1987 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Industrial Research Contracts/Grants (contd)

\$21,237.50 - CIBA-GEIGY Corporation, Summit, New Jersey, Humanitarian Use of Anafranil in Obsessive-Compulsive Disorder, Department of Psychiatry (M. R. Mavissakalian), 5 August 1987 through 14 August 1988. (Project 765782 - Continuation)

\$20,578.00 - CeramPhysics Incorporated, Westerville, Ohio, Theoretical Model of a Cryovaristor in High Switching Applications, Department of Physics (B. R. Patton), 1 February 1987 through 30 September 1987. (Project 766324 - New)

\$17,500.00 - General Electric Company, Milwaukee, Wisconsin, Development and Evaluation of Magnetic Resonance Technology Directed Toward Morphologic and Biochemical Analysis of Abnormalities, Department of Radiology (W. W. Hunter, Jr.), 1 July 1987 through 30 June 1988. (Project 764577 - Continuation)

\$13,297.00 - World Book Encyclopedia, Chicago, Illinois, Graduate Student Practicum, College of Education - Administration (T. M. Stephens), 1 October 1987 through 30 September 1988. (Project 766316 - Continuation)

\$8,750.00 - Robinson (H S) Engineering Associates, San Carlos, California, Test of an RC05 Airfoil Model, Department of Aeronautical and Astronautical Engineering (G. M. Gregorek), 15 July 1987 through 15 September 1987. (Project 766305 - New)

\$8,700.00 - General Electric Company, Cincinnati, Ohio, Definition and Development of a Data Acquisition System for NASP Aeromechanical Development Rig, Department of Aeronautical and Astronautical Engineering (R. J. Freuler), 30 July 1987 through 31 December 1987. (Project 766320 - New)

\$7,479.00 - Vistakon, Inc., Jacksonville, Florida, Corneal Endothelial Changes During Three Months of Hydrogel (Vistamarc) Extended Wear, College of Optometry (J. P. Schoessler), 1 August 1987 through 31 January 1988. (Project 766281 - New)

\$5,100.00 - CeramPhysics, Inc., Westerville, Ohio, Monolithic Ceramic Superconductor Development, Department of Physics (B. R. Patton), 1 July 1987 through 30 September 1987. (Project 766308 - New)

\$1,000.00 - CIBA-GEIGY Corporation, Greensboro, North Carolina, Evaluation of Candidate Materials for the Control of Ectoparasitic Insects, Department of Entomology (W. F. Hink, Jr.), 1 June 1987 through 1 November 1987. (Project 766087 - Continuation)

\$568.00 - Burroughs Wellcome Company, Research Triangle Park, North Carolina, Dose-Range Finding and Safety of BW t-PA When Given by Continuous Intravenous Infusion For up to 24 Hours to Patients with Acute Myocardial Infarction, Department of Internal Medicine (R. D. Magorien), 9 September 1986 through 30 June 1988. (Project 765933 - Continuation)

October 1 and 2, 1987 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Industrial Research Contracts/Grants (contd)

Equipment - American Electric Power Service Corporation, Columbus, Ohio, Center for Commercialization of Space Membership Agreement, Center for Mapping (J. D. Bossler), 13 August 1987 through 31 August 1991. (Project 766219 - New) (Approximate Dollar Value - \$169,500)

Equipment - Xerox Corporation, Palo Alto, California, Equipment Request to Xerox Corporation, Department of Computer and Information Science (B. Chandrasekaran and S. A. Mamrak), 1 September 1987 through 31 May 1988. (Project 764969 - Continuation) (Approximate Dollar Value - \$45,000)

TOTAL - INDUSTRIAL AWARDS \$ 388,208.46

Other Non-Federal Research Contracts/Grants

\$36,865.00 - Charles Stewart Mott Foundation, Flint, Michigan, Education for a Changing Economy: A Cooperative Effort to Prepare Postsecondary Institutions for Auto Worker Retraining in Flint, Michigan, The National Center for Research in Vocational Education, (R. D. Ryan, Jr.), 1 June 1987 through 31 January 1988. (Project 766245 - New)

\$35,000.00 - University of Pennsylvania, Philadelphia, Pennsylvania, Quantifying Spruce Decline and Related Forest Characterization on Whiteface Mountain, New York, Laboratory for Environmental Science-OARDC (T. C. Weidensaul), 1 June 1987 through 31 May 1988. (Project 766285 - Continuation)

\$33,000.00 - American Heart Association, Dallas, Texas, How do Actin and Gap Filaments Align at the Facia Adherens?, Department of Veterinary Anatomy (M. Yamaguchi), 1 October 1987 through 30 September 1988. (Project 766328 - New)

\$30,000.00 - California Institute of Technology, Pasadena, California, Comparative Design Study of Locomotion Systems for a Mars Rover, Department of Mechanical Engineering (K. J. Waldron), 16 April 1986 through 30 June 1988. (Project 765330 - Continuation)

\$24,103.00 - Purdue University, West Lafayette, Indiana, Improving the Geological Interpretation of Magnetic and Gravity Satellite Anomalies, Department of Geology and Mineralogy (R. R. B. Von Frese), 1 June 1987 through 31 May 1988. (Project 766296 - New)

\$23,858.00 - University of Arkansas, Fayetteville, Arkansas, Consortium for the Development of Professional Materials for Vocational Education, The National Center for Research in Vocational Education (R. D. Ryan, Jr.), 1 August 1987 through 30 June 1988. (Project 766288 - New)

\$20,000.00 - The Columbus Foundation, Columbus, Ohio, Needs Assessment and Survey of Columbus Area Women, Academic Faculty of Labor Education and Research Services (S. L. Josephs) and Center for Womens Studies (M. M. Fonow), 1 October 1987 through 30 June 1988. (Project 766317 - New)

October 1 and 2, 1987 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)

\$18,100.00 - Texas A & M Research Foundation, College Station, Texas, Study of the Neogene Package, Department of Geology and Mineralogy (L. Krissek), 24 August 1987 through 18 November 1987. (Project 766303 - New)

\$18,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Doppler Indices of Diastolic Function: Effects of Heart Rate, Department of Internal Medicine (P. F. Binkley and S. C. Hirsch), 1 July 1987 through 30 June 1988. (Project 766258 - New)

\$17,160.00 - Pennsylvania State University, University Park, Pennsylvania, Measurement of Forest Condition and Response Along an Atmospheric Deposition Gradient, Laboratory for Environmental Science - OARDC, (J. R. McGlenahen), 1 October 1986 through 30 September 1987. (Project 766278 - New)

\$16,000.00 - Eight Members of the National Alliance of Community and Technical Colleges, The National Center for Research in Vocational Education (R. D. Ryan, Jr.), 1 July 1987 through 30 June 1988. (Project 766171 - Continuation)

\$12,878.00 - Capital University, Columbus, Ohio, Student Personnel in Higher Education, Department of Educational Policy and Leadership (R. F. Rodgers), 3 August 1987 through 31 May 1988. (Project 766315 - Continuation)

\$10,000.00 - American Cancer Society, Ohio Division, Inc., Cleveland, Ohio, Molecular Lesion of 5q- Chromosome in Acute Non-lymphocytic Leukemia (ANLL) Patients, Department of Internal Medicine (I. M. Chiu), 1 July 1987 through 30 June 1988. (Project 766257 - New)

\$10,000.00 - Ohio Nursery Stock Marketing Program, Columbus, Ohio, Programming for Computer Access and Expansion of a Videodisc, "Woody Landscape Plants of the Temperate U.S.", to Aid Marketing Ohio's Woody Plants, Department of Horticulture - OARDC and Department of Horticulture (T. D. Sydnor), 1 September 1987 through 31 August 1988. (Project 766297 - New)

\$9,121.00 - Franklin University, Columbus, Ohio, Student Personnel in Higher Education, Department of Educational Policy and Leadership (R. F. Rodgers), 15 August 1987 through 15 May 1988. (Project 766314 - New)

\$8,822.00 - American Cancer Society, Ohio Division, Inc., Cleveland, Ohio, Analysis of Thymidylate Synthetase Enzyme and Gene Expression in a 5-fluorouracil Resistant Cell Line and Metastatic Colonic Tumor Specimens, Department of Internal Medicine (B. C. Behrens and T. D. Moore), 1 July 1987 through 30 June 1988. (Project 766290 - New)

\$7,500.00 - American Federation for Aging Research, Ohio Affiliate, Columbus, Ohio, N-Methyl-4-Phenyl-1,2,3,6-tetrahydropyridine Induced Lipofuscin Accumulation: A Novel Model for Studying Aging, Department of Pharmacology (M. H. Neff), 1 July 1987 through 30 June 1988. (Project 766279 - New)

October 1 and 2, 1987 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)

\$6,773.00 - Otterbein College, Westerville, Ohio, Student Personnel in Higher Education, Department of Educational Policy and Leadership (R. F. Rodgers), 17 August 1987 through 15 June 1988. (Project 766313 - Continuation)

\$4,825.00 - Detroit Edison, Newport, Michigan; Duke Power Company, Cornelius, North Carolina; South Carolina Electric and Gas Company, South Carolina; Virginia Power, Richmond, Virginia; and Perry Nuclear Power Plant, Perry, Ohio, Consortium for the Development of Instructor Training Materials for the Electric Power Industry, The National Center for Research in Vocational Education (R. D. Ryan, Jr.), 1 November 1986 through 28 February 1987. (Project 765778 - Continuation)

\$3,800.00 - American Institute of Indian Studies, Minneapolis, Minnesota, Centre for Art and Archaeology of the American Institute of Indian Studies, Varanasi, Department of History of Art (S. L. Huntington), 1 January 1986 through 31 May 1987. (Project 765913 - Continuation)

\$3,437.00 - The Children's Hospital Foundation, Columbus, Ohio, CRYO-ROP Multi-Center Study, Department of Ophthalmology (D. L. Bremer and G. L. Rogers), 1 June 1987 through 31 May 1988. (Project 765638 - Continuation)

\$2,500.00 - Nebraska Department of Education, Lincoln Nebraska, National Consortium of State Career Guidance Supervisors, The National Center for Research in Vocational Education (R. D. Ryan, Jr.), 1 July 1987 through 30 June 1988. (Project 766331 - New)

\$708.00 - Cancer Therapy and Research Foundation of South Texas, San Antonio, Texas, Multidisciplinary Participation in the Cancer Activities of the Southwest Oncology Group, Department of Internal Medicine (S. P. Balcerzak), 1 February 1985 through 30 June 1988. (Project 765208 - Continuation)

TOTAL - OTHER NON-FEDERAL AWARDS \$ 352,450.00

ENGINEERING EXPERIMENT STATION

State Sponsored Research and Development

\$62,500.00 - The Ohio Department of Transportation, Columbus, OH, "Continued Operation of the Technology Transfer Center under the Rural Technical Assistance Program," Department of Civil Engineering, 1 July 1987 through 31 December 1987. (529736)

Industrial and Other Sponsored Research and Development

\$63,392.00 - Edison Welding Institute, Columbus, OH, "Remote Sensor Development," Department of Welding Engineering, 1 July 1987 through 30 June 1988. (529279)

\$60,000.00 - from various industry for membership in the Compact Range Consortium, Department of Electrical Engineering. (312884)

October 1 and 2, 1987 meeting, Board of Trustees

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

ENGINEERING EXPERIMENT STATION (contd)

Industrial and Other Sponsored Research and Development (contd)

\$60,000.00 - Digital Equipment Corporation, Hudson, MA, "Research and Development on the Generic Task Toolset for Building Knowledge Based Systems," Department of Computer and Information Science, 1 July 1987 through 30 June 1988. (529733)

\$55,000.00 - Edison Welding Institute, Columbus, OH, "Real Time Radiography," Department of Welding Engineering, 1 July 1987 through 30 June 1988. (529281)

\$44,362.00 - Edison Welding Institute, Columbus, OH, "Off Line Vision Programming," Department of Welding Engineering, 1 July 1987 through 30 June 1988. (529290)

\$42,301.00 - Edison Welding Institute, Columbus, OH, "Arc Sensing of Pool Oscillation," Department of Welding Engineering, 1 July 1987 through 30 June 1988. (529292)

\$41,923.00 - Westvaco Corporation, Covington, VA, "Development of a Diagnostic System for the Wartsila Roll Wrapper," Department of Chemical Engineering, 1 July 1987 through 30 June 1988. (312429)

\$40,851.00 - Edison Welding Institute, Columbus, OH, "Coaxial Vision Sensor Development," Department of Welding Engineering, 1 July 1987 through 30 June 1988. (529291)

\$40,000.00 - Edison Welding Institute, Columbus, OH, "Stress Intensity Factors in Tubular Joints Using Finite Element Method," Department of Welding Engineering, 1 July 1987 through 30 June 1988. (529284)

\$35,789.00 - from 15 sponsors of 22 development projects under the direction of three departments/research areas of the College of Engineering.

\$35,134.00 - Edison Welding Institute, Columbus, OH, "Laser Cutting," Department of Welding Engineering, 1 July 1987 through 30 June 1988. (529288)

\$35,000.00 - Edison Welding Institute, Columbus, OH, "Fatigue of Laser Weldments," Department of Welding Engineering, 1 July 1987 through 30 June 1988. (529283)

\$33,050.00 - General Electric Company, Cincinnati, OH, "Laser Welding of Advanced Titanium Alloys," Department of Welding Engineering, 1 July 1987 through 30 November 1987. (312425)

\$25,000.00 - Edison Welding Institute, Columbus, OH, "Non-Destructive Evaluation of Solid State Welds," Department of Welding Engineering, 1 July 1987 through 30 June 1988. (529280)

\$20,000.00 - Edison Welding Institute, Columbus, OH, "Model of Thermal Processes," Department of Welding Engineering, 1 July 1987 through 30 June 1988. (529293)

October 1 and 2, 1987 meeting, Board of Trustees

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

ENGINEERING EXPERIMENT STATION (contd)

Industrial and Other Sponsored Research and Development (contd)

\$18,000.00 - General Electric, Cincinnati, OH, "Fabrication and Testing of Specific Configurations of a Simulator of the Unducted Fan Engine, GE36," Department of Aeronautical and Astronautical Engineering, 15 December 1986 through 31 August 1987. (312897, Ext. 1)

\$17,103.00 - EPRI, Palo Alto, CA, "Design of Power Line Magnetic Field Measurements - an Experimental Program," Department of Electrical Engineering, 1 July 1987 through 31 August 1987. (529734)

\$15,000.00 - Edison Welding Institute, Columbus, OH, "Non-Destructive Evaluation of Spot Welds," Department of Welding Engineering, 1 July 1987 through 30 June 1988. (529282)

\$13,936.00 - South Florida Water Management District, West Palm Beach, FL, "Use of Remotely Sensed Imagery to Monitor Lake Okeechobee Water Quality," Department of Landscape Architecture, 1 June 1987 through 15 October 1987. (312430)

\$7,000.00 - from various industry for membership in the Gear Research Laboratory under the direction of the Department of Mechanical Engineering. (529735)

\$2,000.00 - from various industry for membership in the Engineering Research Center for Net Shape Manufacturing, Engineering Experiment Station. (529200)

TOTAL - INDUSTRIAL AND OTHER SPONSORED RESEARCH \$ 704,841.00

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND

Establishment of Named Funds

The Antoinette Lowry Barr Scholarship Fund

The Antoinette Lowry Barr Scholarship Fund was established October 2, 1987, by the Board of Trustees of The Ohio State University through a bequest to The Ohio State University Development Fund from Antoinette Lowry Barr (M.A. Education '51).

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 shall be used to provide one or more scholarships to graduate students in education. The selection is to be made by the College of Education scholarship/fellowship committee in consultation with the University Committee on Student Financial Aid.

It is the desire of the donors that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall

October 1 and 2, 1987 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 Antoinette Lowry Barr Scholarship Fund (contd)

be designated by the Board of Trustees in consultation with the person then responsible for study of education in order to carry out the desire of the donors.

The Landscape Architecture Lecture Fund

The Landscape Architecture Lecture Fund was established October 2, 1987, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from alumni, friends, and faculty of the Department of Landscape Architecture.

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 shall be used to fund lectures on landscape architecture and to disseminate information about the lectures and publications thereof. Expenditures will be made under the direction of the Chairperson of the Department of Landscape Architecture or an assigned committee.

It is the desire of the donors that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees, in consultation with the appropriate department chairperson or program administrative officer responsible for landscape architecture education, in order to carry out the desire of the donors.

**The Rodney F. Plimpton, Jr., Memorial
Scholarship Fund in Animal/Meat Science**

The Rodney F. Plimpton, Jr., Memorial Scholarship Fund in Animal/Meat Science was established October 2, 1987, 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 Dr. Rodney F. Plimpton (M.S. Meat Science '61, Ph.D. Meat Science '65), who died on May 16, 1987, his fiftieth birthday. He spent his entire career at Ohio State, devoting his time and tremendous energy to enabling his students to become the best that they could be. Students responded to his enthusiasm by nominating him for the Alumni Distinguished Teaching Award every year. He was the first Ohio State professor to be named an Alumni Distinguished Teacher twice, in 1968 and 1976. He was also named Distinguished Meats Teacher by the American Meat Science Association in 1978. Dr. Plimpton developed and taught Animal Science 100, an introductory course, which served to whet the curiosity of freshman students and inspired many of those students to declare a major in Animal/Meat Science.

October 1 and 2, 1987 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 Rodney F. Plimpton, Jr., Memorial
Scholarship Fund in Animal/Meat Science (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 shall be used to provide scholarships for students with intended careers in the Meat Science area of study within the College of Agriculture. Other selection criteria shall include:

- * evidence of above average scholarship.
- * participation in student activities with leadership potential.
- * completion of Animal Science 100 and/or Animal Science 200, or such appropriate courses as may be successor to those presently available courses.

A committee to select the recipient(s) each year shall consist of the following persons:

- * The chairman of the appropriate scholarship committee designated to select Meat Science Scholarship recipients, who shall serve as chairman of the selection committee.
- * Instructor(s) of Animal Science 100, 200, and 452/453, or such courses as may supplant those courses.
- * A Meat Science graduate teaching associate.
- * The preceding year's Plimpton Scholarship recipient(s).
- * A member of the Plimpton family, insofar as family members desire to be involved.

It is the desire of the donors that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees, with preference being given to the funding of Honors research projects by undergraduate students in Animal Science/Meat Science or closely related food/nutrition areas of study, in order to carry out the desire of the donors.

The Florence Levy Miller and I. George Miller
Memorial Scholarship Fund

The Florence Levy Miller and I. George Miller Memorial Scholarship Fund was established October 2, 1987, 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 Florence Levy Miller and I. George Miller.

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 and 2, 1987 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 Florence Levy Miller and I. George Miller
Memorial Scholarship Fund (contd)**

The annual income shall be used to provide one or more scholarships for undergraduate or graduate students who have demonstrated academic ability and as a secondary consideration, financial need, with priority given to students in the Department of Family Relations and Human Development. The selection of the recipient is to be made upon the recommendation of the University Committee on Student Financial Aid in consultation with the Dean of the College of Home Economics.

It is the desire of the donors that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees, in consultation with the Dean of the College of Home Economics, in order to carry out the desire of the donors.

The Norman R. Sleight Newark Campus Scholarship Fund

The Norman R. Sleight Newark Campus Scholarship Fund was established October 2, 1987, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from Norman R. Sleight of Newark, 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 shall be used to provide scholarship support for one or more students attending The Ohio State University, Newark Campus. The selection of the recipient(s) will be made by the University Committee on Student Financial Aid upon recommendations of the Dean of The Ohio State University, Newark Campus.

It is the desire of the donors that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees, with preference being given to recommendations from the Dean of The Ohio State University, Newark Campus, in order to carry out the desire of the donors.

Change in Description of Named Funds

**The Nicholas D. and Evangeline Jonson
Memorial Scholarship Fund**

The Nicholas D. and Evangeline Jonson Memorial Scholarship Fund was established June 7, 1985, by the Board of Trustees of The Ohio State

October 1 and 2, 1987 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

Change in Description of Named Funds (contd)

**The Nicholas D. and Evangeline Jonson
Memorial Scholarship Fund (contd)**

University with gifts to The Ohio State University Development Fund from various persons making memorial gifts at the death of Evangeline Jonson, along with a major gift from George N. Jonson of Hamilton, Ohio. The description was changed October 2, 1987.

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 shall be used to fund scholarship(s) in the amount of \$500.00 for a graduating senior(s) from Hamilton High School in Hamilton, Ohio, who has expressed an interest in studying the humanities at The Ohio State University, Columbus, Ohio. If the income is sufficient, additional scholarship(s) in the amount of \$500.00 may be awarded to second, third, or fourth year students who have an interest in or are studying the humanities at The Ohio State University and have maintained a grade point average of 3.0 or higher. Selection of the recipient(s) shall be made by the University Committee on Student Financial Aid upon the recommendation of a committee from Hamilton High School, appointed by the principal of said high school, in consultation with George N. Jonson of Hamilton, Ohio, or in the event of his demise or inability to serve, by a person chosen by him or his heirs. Should a recipient(s) decide not to attend The Ohio State University, then the amount awarded to the scholarship recipient will be returned to the fund's principal.

The criteria to be considered in selecting the recipient(s) shall be as follows: The recipient(s) shall (1) have a 3 point average or higher; (2) have demonstrated an interest in the humanities; (3) have demonstrated good citizenship and leadership at Hamilton High School; (4) must be enrolled or plan to enroll at The Ohio State University for the entire school year. An additional consideration shall be the activities engaged in at Hamilton High School. Eligibility shall not be limited to financial need.

The scholarship(s) shall be for one year until the scholarship fund has grown to the level that the recipient(s) can continue on the scholarship past the first year. Recipient(s) may apply for renewal of the scholarship through the office of Student Financial Aid 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 purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations meeting the educational goals of the College of Humanities at The Ohio State University.

October 1 and 2, 1987 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

Change in Description of Named Funds (contd)

Kappa Phi Kappa Fund

The Kappa Phi Kappa Fund was established September 11, 1969, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from the Alpha Eta Association. The description was changed October 2, 1987.

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 shall be placed in a Project Account and used to promote the effective education of teachers under the direction of the Dean of the College of Education. This is to be accomplished through Kappa Phi Kappa scholarships and providing operational funds to the Alpha Eta Association. Funds may be used for other activities in support of teacher education, if in the Dean's judgment the cause of teacher education would be better served by the diversion of funds from the scholarship program. Priority is to be given to projects in support of undergraduate teacher education.

Unless the Dean each year otherwise decides and instructs the University, the University shall at the end of each fiscal year of the University transfer to and incorporate into the Fund any excess in the Project Account over and above one times the share for the full fiscal year then ending.

Should the need for this fund cease to exist or so diminish as to provide unused income, this income may be used for any purpose whatsoever within the guidelines as contained in the June 10, 1987, Agreement between the Alpha Eta Association and the University, which supersedes the agreements of July 1, 1969, and June 11, 1985.

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**REPORT OF AWARD OF CONTRACTS AND
ESTABLISHMENT OF CONTINGENCY FUNDS**

Resolution No. 88-37

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 Health Sciences Center Medical/Logistical Services (INFILL), Bee

October 1 and 2, 1987 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)**

Laboratory Replacement, Energy Modifications - Building Retrofit, and Energy Modifications to Buildings Phase VII projects; and

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 the award of contracts for the Doan Hall - CAP Kold System and Doan Hall - CRI Materials Handling Staging Area, and Marion Regional Campus - Morrill Hall Water Line projects, as follows:

**HEALTH SCIENCES CENTER
MEDICAL/LOGISTICAL SERVICES (INFILL)**

Description: This project provides for the construction of a two-story, above grade addition to Doan Hall providing space for medical records, a central air conditioning room, new truck docks, and space for maintenance shops, housekeeping, stores and offices. Construction is scheduled to begin November 1987, and be completed November 1989.

General Contract

Date Received:	August 18, 1987
No. of Bids:	8
Low Bid:	\$2,908,000.00*
High Bid:	\$3,390,675.00*
Estimate of Cost:	\$3,404,002.00*
Awarded to:	Sherman R. Smoot Co., Columbus, OH

Plumbing Contract

Date Received:	August 18, 1987
No. of Bids:	5
Low Bid:	\$ 206,000.00 ⁺
High Bid:	\$ 239,900.00
Estimate of Cost:	\$ 191,082.00
Awarded to:	Farber Corp., Columbus, OH

*Recommended alternates reflected in these figures.

⁺Plumbing Contract is in excess of filed estimate of cost; however, the total price of all contracts is within 10% of the total estimate of cost and is recommended for award as provided by Section 153.12 of the Revised Code.

October 1 and 2, 1987 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)**

**HEALTH SCIENCES CENTER
MEDICAL/LOGISTICAL SERVICES (INFILL) (contd)**

HVAC Contract

Date Received:	August 18, 1987
No. of Bids:	8
Low Bid:	\$ 527,200.00*
High Bid:	\$ 701,700.00*
Estimate of Cost:	\$ 534,734.00*
Awarded to:	Julian Speer Co., Columbus, OH

Fire Protection Contract

Date Received:	August 18, 1987
No. of Bids:	6
Low Bid:	\$ 127,674.00*
High Bid:	\$ 237,688.00*
Estimate of Cost:	\$ 133,236.00*
Awarded to:	Central Fire Protection Co., Springfield, OH

Electric Contract

Date Received:	August 18, 1987
No. of Bids:	8
Low Bid:	\$ 502,700.00*
High Bid:	\$ 760,640.00*
Estimate of Cost:	\$ 608,208.00*
Awarded to:	Goodin Electric Inc., Newark, OH

Total All Contracts:	\$4,271,574.00*
Total Contingency Allowance:	\$ 529,541.57 (which is 12% of construction costs)
Special Consultants and Additional Services:	\$ 202,042.00

*Recommended alternates reflected in these figures.

October 1 and 2, 1987 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)**

**HEALTH SCIENCES CENTER
MEDICAL/LOGISTICAL SERVICES (INFILL) (contd)**

Total Project Cost: \$5,950,000.00*
Funding: University Hospitals Funds

*Recommended alternates reflected in these figures.

BEE LABORATORY REPLACEMENT

Description: This project provides for the construction of a new building just north of the Dairy Science Complex off of Lane Avenue which will provide research, office and storage space to replace the present wood frame structure built in 1912. Construction is scheduled to begin December 1987, and be completed within one year.

General Contract

Date Received: August 25, 1987
No. of Bids: 4
Low Bid: \$ 204,293.00*+
High Bid: \$ 238,616.42*
Estimate of Cost: \$ 196,970.00*
Awarded to: Robert H. Johns Co., Columbus, OH

Plumbing Contract

Date Received: July 23, 1987
No. of Bids: 2
Low Bid: \$ 53,335.00*
High Bid: \$ 59,000.00*
Estimate of Cost: \$ 54,000.00*
Awarded to: Holdridge Mechanical, New Albany, OH

*Recommended alternates reflected in these figures.

+General, Plumbing and HVAC Contracts are in excess of filed estimate of cost; however, the total price of all contracts is within 10% of the total estimate of cost and is recommended for award as provided by Section 153.12 of the Revised Code.

October 1 and 2, 1987 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)**

BEE LABORATORY REPLACEMENT (contd)

HVAC Contract

Date Received:	July 23, 1987
No. of Bids:	1
Low Bid:	\$ 35,740.00**
Estimate of Cost:	\$ 31,415.00*
Awarded to:	G. R. Legner Co., Columbus, OH

Electric Contract

Date Received:	July 23, 1987
No. of Bids:	8
Low Bid:	\$ 61,910.00*
High Bid:	\$ 90,276.00*
Estimate of Cost:	\$ 66,372.00*
Awarded to:	Buckeye Electric, Dayton, OH

Total All Contracts:	\$ 355,278.00*
Total Contingency Allowance:	\$ 17,763.90 (which is 5% of construction costs)
Total Project Cost:	\$ 459,266.00*
Funding:	H.B. 552, S.B. 381, S.B. 348 and University Funds

*Recommended alternates reflected in these figures.

+General, Plumbing and HVAC Contracts are in excess of filed estimate of cost; however, the total price of all contracts is within 10% of the total estimate of cost and is recommended for award as provided by Section 153.12 of the Revised Code.

ENERGY MODIFICATIONS - BUILDING RETROFIT

Description: Energy modifications to various buildings. An additional chiller will be installed at the Allied Medical Center Building. The Bevis and Pressey Halls portion of this project will provide for a cross connection of chilled water piping. Due to the critical nature of the research being performed in these two buildings, this cross connection will provide alternate sources of cooling which will minimize any interruption to the system. Construction is scheduled to begin November 1987, and be completed within one year.

October 1 and 2, 1987 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)**

ENERGY MODIFICATIONS - BUILDING RETROFIT (contd)

Plumbing Contract

Date Received: August 25, 1987
No. of Bids: 3
Low Bid: \$ 11,590.00
High Bid: \$ 25,000.00
Estimate of Cost: \$ 12,000.00
Awarded to: Holdridge Mechanical, New Albany, OH

HVAC Contract

Date Received: August 25, 1987
No. of Bids: 3
Low Bid: \$ 293,400.00*
High Bid: \$ 314,784.00*
Estimate of Cost: \$ 395,000.00*
Awarded to: Farber Corp., Columbus, OH

Electric Contract

Date Received: August 25, 1987
No. of Bids: 2
Low Bid: \$ 18,952.00*
High Bid: \$ 21,789.00*
Estimate of Cost: \$ 26,000.00*
Awarded to: Hi-Tech Electric, Inc., Columbus, OH

Total All Contracts: \$ 323,942.00*
Total Contingency Allowance: \$ 25,933.72 (which is 8% of construction costs)
Total Project Cost: \$ 415,000.00
Funding: H.B. 798 and S.B. 348

*Recommended alternates reflected in these figures.

October 1 and 2, 1987 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)**

**DOAN HALL - CAP KOLD SYSTEM AND
DOAN HALL - CRI MATERIALS HANDLING STAGING AREA**

Description: The Cap Kold System portion provides for the renovation of Rooms 075A and 175A to accommodate the installation of a cook/chill food production system, reducing exposure to possible contamination. The CRI Materials Handling Staging Area portion provides for renovation on the ground floor to provide clean and soiled holding areas to support the material handling system for the Cancer Research Institute. Construction is scheduled to begin October 1987, and be completed within two hundred forty days.

General Contract

Date Received:	August 11, 1987
No. of Bids:	3
Low Bid:	\$ 89,300.00 ⁺
High Bid:	\$133,800.00
Estimate of Cost:	\$ 78,000.00
Awarded to:	Functional Development, Inc., Dublin, OH

Mechanical Contract

Date Received:	August 11, 1987
No. of Bids:	1
Low Bid:	\$106,000.00
Estimate of Cost:	\$112,000.00
Awarded to:	Farber Corp., Columbus, OH

Electric Contract

Date Received:	August 11, 1987
No. of Bids:	5
Low Bid:	\$ 25,056.00
High Bid:	\$ 39,810.00
Estimate of Cost:	\$ 31,000.00
Awarded to:	Reco Electric Inc., Gahanna, OH

⁺General Contract is in excess of filed estimate of cost; however, the total price of all contracts is within 10% of the total estimate of cost and is recommended for award as provided by Section 153.12 of the Revised Code.

October 1 and 2, 1987 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)**

**DOAN HALL - CAP KOLD SYSTEM AND
DOAN HALL - CRI MATERIALS HANDLING STAGING AREA (contd)**

Total All Contracts: \$220,356.00
Total Contingency Allowance: \$ 35,296.42 (which is 16% of construction costs)
Total Project Cost: \$285,020.00
Funding: University Hospitals Funds

ENERGY MODIFICATIONS TO BUILDINGS PHASE VII

Description: This energy modification project will provide for the installation of a new electric centrifugal unit for Bevis Hall. The Mount and Pressey Halls portion of this project will provide for a cross connection of chilled water piping. Due to the critical nature of the research being performed in these two buildings, this cross connection will provide alternate sources of cooling, which will minimize any interruption to the service. Construction is scheduled to begin in November 1987, and be completed within one year.

HVAC Contract

Date Received: August 19, 1987
No. of Bids: 5
Low Bid: \$ 187,000.00
High Bid: \$ 222,800.00
Estimate of Cost: \$ 230,000.00
Awarded to: J. A. Croson, Columbus, OH

Electric Contract

Date Received: August 19, 1987
No. of Bids: 2
Low Bid: \$ 14,596.00
High Bid: \$ 27,900.00
Estimate of Cost: \$ 30,000.00
Awarded to: Frush & Homan, Columbus, OH

Total All Contracts: \$ 201,596.00

October 1 and 2, 1987 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)**

ENERGY MODIFICATIONS TO BUILDINGS PHASE VII (contd)

Total Contingency Allowance: \$ 24,276.20 (which is 12% of construction costs)
Total Project Cost: \$ 265,846.92
Funding: University Funds

**MARION REGIONAL CAMPUS - MORRILL HALL
WATER LINE**

Description: This project provides for pipe repair around the meters, removal of galvanized main, installation of copper main, fittings, hangers and reinsulating of the new main. Construction is scheduled to begin November 1987, and be completed within thirty days.

Plumbing Contract

Date Received: August 27, 1987
No. of Bids: 3
Low Bid: \$ 31,681.00
High Bid: \$ 38,115.00
Estimate of Cost: \$ 40,200.00
Awarded to: C. R. Legner Co., Columbus, OH
Total All Contracts: \$ 31,681.00
Total Contingency Allowance: \$ 3,802.00 (which is 12% of construction costs)
Total Project Cost: \$ 37,483.00
Funding: H.B. 870 U & R

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. Kessler, seconded by Mrs. Bowser, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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October 1 and 2, 1987 meeting, Board of Trustees

**SALE OF REAL PROPERTY
1217-1225 WEST BROAD STREET
COLUMBUS, OHIO**

Resolution No. 88-38

Synopsis: Sale of property located at 1217-1225 West Broad Street in Columbus, Ohio, is proposed.

WHEREAS in 1977 the Board of Trustees acquired the property located at 1217-1225 West Broad Street by gift from Helen G. Feibel and Joan M. Wears; and

WHEREAS under the terms of this gift, the property is to be sold and the net proceeds from the sale are to be used to support the John W. Galbreath Chair in Real Estate; and

WHEREAS Harry and Mona Bryson of Orient, Ohio, have offered to purchase the property for \$35,000.00; and

WHEREAS it is the desire of this Board to accept this offer and to sell all of the Board's right, title, and interest in and to this property:

NOW THEREFORE

BE IT RESOLVED, That the President and/or Vice President for Business and Administration be authorized, in the name of the Board of Trustees of The Ohio State University to sell all of the University's right, title, and interest in and to the property at 1217-1225 West Broad Street to Harry and Mona Bryson for \$35,000.00, with the net proceeds from such sale being used to support the John W. Galbreath Chair in Real Estate.

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

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**EASEMENT
CITY OF COLUMBUS**

Resolution No. 88-39

Synopsis: Authorization to grant an easement to the city of Columbus for installation of a storm sewer is requested.

WHEREAS the City of Columbus has requested a 15-year easement consisting of a strip of land approximately 50 feet in width and 1400 feet in length for a temporary construction easement and a strip of land 50 feet in width and 1400 feet in length for a permanent easement in an area northeast of the Lab Animal Center; and

WHEREAS Arshot Investment Company will install the storm sewer and agrees to compensate the University with a lump sum fee of \$20,651.00 based on fair market value of the land; and

October 1 and 2, 1987 meeting, Board of Trustees

**EASEMENT
CITY OF COLUMBUS (contd)**

WHEREAS the storm sewer will serve private properties near the University; 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 Administration, be authorized to request the Deputy Director of Public Works of the Department of Administrative Services, pursuant to his statutory duties, to act on behalf of the University in developing the necessary legal instrument to provide for this easement.

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

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President Jennings made the following statement:

Mr. Chairman, there has been an awful lot of talk about the potential of The Ohio State University joining with the State of Ohio to construct a computer center on our property close to North Star Road. Could you let us know, Dick, where we stand on that particular issue?

Mr. Jackson:

Thank you, Mr. President and Members of the Board, I would be glad to make a few short comments about that project. The State came to us some time ago and talked about the possibility of building a State computer center with approximately 450,000 square feet of space in it. There has been a State budget provided for this in the area of about \$50 million. We believe that it is a proper component to place in our Research Park and have suggested an area which is just south of Lane Avenue and to the east of North Star. But our recommendation is that we would have access to that facility off of Lane Avenue onto Carmack and then access from the east. We think that that is one of the major concerns expressed by the Upper Arlington community.

There was a meeting held on September 16, in which two representatives of the University attended, as well as Carol Olshovsky, who is the State Architect and who is responsible for this project, and responsible for the communication and inter-action for the State. Subsequent to that meeting, the City Manager of Upper Arlington had written to the University and has suggested that a group of five residents serve as a committee that would interact with the State of Ohio, as well as the University in discussing this project. We think that is a very reasonable, logical step to take, and we look forward to working with the State, as well as with the Upper Arlington residence in trying to communicate what this project is about and to answer the questions and address the issues which are presented. We

October 1 and 2, 1987 meeting, Board of Trustees

Mr. Jackson: (contd)

think this is a logical way to go, and we are very optimistic about the resolution of the issues at hand. We will get back to the Board, hopefully before too long to talk about a negotiated lease.

President Jennings:

Talking about a negotiated lease of land, which would be the only direct Board action that would be necessary, am I right on that?

Mr. Jackson:

That is correct. We would certainly be involved in that lease regarding the requirements that we think are important in terms of architectural review -- the design of the building, the exterior maintenance, the things that are important to them, not only the University, but we think that are important to the community.

President Jennings:

Thank you.

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REPORT - UNIVERSITY'S INVESTMENT PORTFOLIO

Resolution No. 88-40

RESOLVED, That the report on the University's Investment Portfolio, dated September 18, 1987, 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, November 5, 1987, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, at 6:30 p.m.

Attest:

Madison H. Scott
Secretary

Edmund C. Redman
Chairman

THE OHIO STATE UNIVERSITY
OFFICIAL PROCEEDINGS OF THE
ONE THOUSAND TWO HUNDRED AND THIRTY-FIFTH MEETING
OF THE BOARD OF TRUSTEES

Columbus, Ohio, November 5 and 6, 1987

The Board of Trustees met at its regular monthly meeting on Thursday, November 5, and Friday, November 6, 1987, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, pursuant to adjournment.

* * *
Minutes of the last meeting were approved.
* * *

November 5 and 6, 1987 meeting, Board of Trustees

The Chairman, Mr. Redman, called the meeting of the Board of Trustees to order on November 5, 1987, at 6:30 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: Edmund C. Redman, Chairman, John W. Berry, Shirley D. Bowser, Hamilton J. Teaford, Deborah E. Casto, John W. Kessler, and Milton A. Wolf.

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Mr. Redman reconvened the meeting on November 6, 1987, at 10:25 a.m.

Present: Edmund C. Redman, Chairman, Shirley D. Bowser, Hamilton J. Teaford, Deborah E. Casto, John W. Kessler, and Milton A. Wolf.

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Mr. Redman:

I'd like to have the committee reports, beginning with the Development Fund Board of Directors. Mr. Kessler isn't here so we'll skip to the -- let's note that Mr. Barone was to report on the Research Foundation, but I understand that they have had no meetings, thus there would be no report even if he were here.

President Jennings:

Dr. Hollander is here, he could add something to the Research Foundation.

Mr. Redman:

Very good.

Dr. Hollander:

I think it is Tab 5 of your notebook that contains the list of grants and contracts from the Research Foundation for the month of September. In that list there are 95 awards which will provide a gross income to the University of \$9.6 million. Let me just remark that for the first three months of this fiscal year, July 1 to September 30, we have had 348 awards with a gross income of \$32.9 million. This can be compared with the first three months of last fiscal year in which we had 279 awards for a gross income of \$19.1 million. In this period there is represented a 72% increase in funding for the three month period. Of course, while that income increase is welcome, much of it has to be discounted as being attributed to the timing of several large awards and to the slowness of processing awards by several agencies during the last fiscal year. So these two factors have artificially increased the apparent performance for the first part of this fiscal year and we don't expect that such a large percentage increase in funding will carry through the year, although we do hope to maintain the substantial increase this year, as last year.

November 5 and 6, 1987 meeting, Board of Trustees

Mr. Teaford:

We see the difference in the academic approach as opposed to the fundraising approach. Our fundraiser plays up or tells us the reasons it went down and he tells us it's too high.

Dr. Hollander:

I would like to say our expectations for the entire year shows that there will be a 72% increase over last year -- as much as that would be welcome. A few highlights of the awards are: \$1.8 million award from the National Association of Regulatory Utility Commissioners to Professor Douglas Jones and his associates for the continuation of the National Regulatory Research Institute; a \$582,000 award from the National Aeronautics and Space Administration to Professor John Bossler of the Center of Mapping and his associates in a number of colleges, as a continuation grant for the NASA Center for the commercial development of space.

Mr. Redman:

Jack, if I could interrupt you a moment -- backing up one item. Could you explain, just a trifle, about what they would propose to do in this research of utility regulations?

Dr. Hollander:

The NRRI, National Regulatory Research Institute, conducts research on all aspects of utility issues -- the regulations, power generation, a whole spectrum of activities and it is a long standing institute with the University. It is a very respected group. In fact, the only institute of its kind in the country. They are very prolific in their publication of studies of problems of all kinds --

Mr. Redman:

Do they deal with rates?

Dr. Hollander:

They deal with rates, regulations, power wheeling and --

Mr. Redman:

Return on investments?

Dr. Hollander:

All those kinds of problems. They have both technical and economic sides to their activities.

Mr. Redman:

Do they still go into the question on utilities -- one of the things that brought on some of the utilities problems, as I recall, would be their stepping up of the rate base every time

November 5 and 6, 1987 meeting, Board of Trustees

Mr. Redman: (contd)

they would set up a new utility and they would sell it from corporation A to corporation B. Corporation A would buy it for \$10 million and sell it to corporation B for \$20 million and step up the rate base to \$20 million, then they would charge the utility customers on that basis, and then they would move it up to \$50 million and charge on that basis. They finally put a stop to that. Are they still into those kinds of problems?

Dr. Hollander:

I'm sure they are. I'm sure if you look through the activities of the Institute you'd find reports on that kind of problem, as well as many others.

Mr. Redman:

The reason I was interested in it is that I have been on the other end of some of those trying to step up the rate base and I want to know if they are still looking over my shoulder!

President Jennings:

They sure are.

Mr. Redman:

Thank you, Dr. Hollander, I will be aware of that.

Dr. Hollander:

Finally, let me just mention a --

President Jennings:

I might just add, Jack, this Research Institute is also funded with funds provided by each State Regulatory Commission in proportion to their size.

Mr. Redman:

Like our Public Utilities Commission.

President Jennings:

Our PUCO sponsors this, but every state sponsors this. This is essentially voluntary, it is not required that the PUCO sponsor this, but they all have chosen to and that is the result of the academic respect that Doug Jones has.

Dr. Hollander:

Just one other highlight -- a major \$594,000 award from the Health Resources and Services Administration to Professors Lawrence Gabel and Michael Para of the College of Medicine to establish a center for the training of health professionals in dealing with the various aspects of the AIDS problem. It is a

November 5 and 6, 1987 meeting, Board of Trustees

Dr. Hollander: (contd)

very important issue. We are one of a small number of institutions that they funded generously to participate in the training of professionals in this important area.

Well these are just a few of the large number of awards, but as you can see from your list there are a large number of smaller awards, each of which is a result of individual initiative by members of our faculty. Thank you.

Mr. Redman:

Is there anything else? Mrs. Bowser, the University Hospitals Board.

Mrs. Bowser:

Yes, sir. As you may remember, the Executive Committee meets on alternate months, so the Executive Committee met on Thursday, October 29, with all the appropriate persons there. Mr. Covert presented, and we approved, a new Hospital policy addressing the use within the institution of Physician Extenders and/or Allied Health Professionals who may not be Hospital employees. The intent of this policy is to ensure that all such individuals are properly credentialed and supervised, and that the patient care they provide meets the University, Hospitals, medical staff, and legal standards.

The year-to-date Hospitals admissions are 1.5% above budget. Clinical visits, emergency visits, and outpatient surgical patients are all exceeding budget for this year. September's net income was \$152,000; year-to-date net income is \$449,000.

We have already discussed the helicopter and it is in service. We played a big part in getting that started and as a Board member from outside the City of Columbus, it is tremendously important to the surrounding counties and areas to have an alternative means of getting here.

The strategic planning is continuing. The consulting firm has submitted a progress report regarding the development of the Strategic Plan for the medical complex. Members of the Hospitals Board plan to meet at Mr. Vorys's office in mid-November for a day retreat to review the consultants' recommendations and feedback provided by the Hospital's medical and administrative staffs. With input from the Hospitals Board, the final draft of the Strategic Plan will be reviewed by the Strategic Planning Task Force, appointed last year by President Jennings, and will ultimately be brought to you for consideration and support.

We are anticipating, in November, an accreditation team from the Joint Commission on Accreditation of Hospitals, which is known as JCAH. They will be conducting a site survey. The last survey occurred in November of 1984, and at that time we received a full three-year accreditation. We are reviewing with staff how those surveys and interviews will be held and mock

November 5 and 6, 1987 meeting, Board of Trustees

Mrs. Bowser: (contd)

surveys are being done at the Hospitals at this time. That completes my report.

Mr. Redman:

I think it would be appropriate at this time, Mrs. Bowser, with your permission, to deal with several items at the Hospital which we have discussed from time to time. I would like to report to the Board, particularly with regard to the billing situation.

We discussed it at the last Board Meeting and you'll recall that Dr. Tzagournis invited me to attend the meeting of the committee dealing with the change in the billing systems, and I did that. I might add that in order to bring myself up-to-date prior to that meeting, I had a meeting that I called of people on the staff to advise me concerning their opinions, without regard to outside consultants or doctors who are involved, but for people that are going to do the billing -- that's the problem. We had that meeting and it was a good meeting. Dr. Senhauser attended that and he is the chairman of the committee on this subject. Then, I met with their committee, Dr. Senhauser, and the other doctors. During the course of that meeting we had a candid discussion of the concerns of the physicians, in which we must all be concerned. After all, without any physicians, we don't have any hospital. We want to be fair to them, as I explained -- I'm sure the Board feels the same way -- the Board has decided that this is the way to go, we adopted this resolution in June 1985, and that we didn't seem to be making much progress.

I made several suggestions: one, that I was dissatisfied with the report that the committee received from their outside consultants. And I won't bore you all with that, but I spent considerable time on that subject. I suggested that since it was an accounting problem, they should consult with a member or several, or all, of the Big 8 firms who have specialists in this area. I suggested that for a couple of reasons: one, it is a billing problem, it's not a medical problem. The consultants who advised the committee indicated that they wanted \$60,000 to tell us what we should write in the specifications before we hired anybody or they did any work. I thought that was out of reason and so expressed myself. In any event, Dr. Senhauser said that after that meeting he had consulted with the Arthur Anderson Company, who had done the work for Vanderbilt University. Evidently Dr. Senhauser knew someone at Vanderbilt, and in talking with him they had Arthur Anderson install their system out of their Atlanta office with some experts in this field. They were well-pleased, he said. And I suggested then that they move forward, the committee, and get other Big 8 firms involved, and particularly the firms that are doing our audit. I am mindful of the costs that are associated with this changeover. There is no use for us to educate someone and pay them to find out what we are already doing. We have auditors that have been through this and are in it. I suggested that they be brought in and review, make recommendations, bid on it, and to put a time limit on it. If a Big 8 firm had a contract

November 5 and 6, 1987 meeting, Board of Trustees

Mr. Redman: (contd)

to install a system, they have the manpower -- instead of putting two people on it they could put twenty. If they had a time to meet, and time now seems to me to be the essence of the thing -- we could debate this from now until next year at this time and not get anything done. I tried to make it clear to the committee, in my view, that the time for that sort of thing is past.

We have agreed on a tentative solution to some of their concerns. For example, what happens to those doctors who have spent a lot of money on billing systems in their own offices and that if we installed another system, this would override theirs and they would all be out this money. I'm saying that I think if a doctor is injured by our insistence upon this change and he can demonstrate that he was, in fact, injured, then the University should pick up the tab. Well, that seemed to satisfy those folks. But I'm saying, and I said it to Dr. Tzagournis, you are going to have to show that you are, in fact, injured. Because a lot of times on IBM equipment you can program it one way and take it out and program it another way and you haven't lost any money. But if they were injured, then I think we are obligated to pick up that tab. That is the sort of thing we went through. We've agreed and they have agreed that they would have an outside billing firm, similar to a Visa card or any of those, who would do the billing for the doctors, collect the money, and distribute it. That leaves us out of that hassle. The problem that the doctors had involved confidentiality. I think they were concerned that we would find out what they were making, at least their gross income, and I assured them that we had no interest in that at this point. That was now taken care of under the Practice Plan and it was working and we didn't want to disturb that. We weren't making any effort to refine that plan, to get anything more, to do them harm, we just want them to get the bills straightened out. I first thought we should have one bill. If you are a patient in the hospital, you should get one bill covering everything. After this discussion, I was convinced that two bills would do the job. I wouldn't have any difficulty in paying two bills if I were a patient. One would cover the physician and all of the doctors involved: pathologists, radiologists, the orthopedic surgeon, the whatever, that would go through the third party. The hospital bill and all the associated costs of that would come with another bill. So we would have two bills. Now we've agreed on that, between me and the committee, but Dr. Senhauser said, "I'm just the chairman of the committee, I still have to talk to my committee." And I said, "not only that, but I still have to talk to the Board of Trustees. I'm not at all sure that their going to agree with what Redman's saying, but I think they will." So I'm reporting that is our progress to date. I propose now -- Dr. Senhauser has been out of the country, I guess, or at least out of the city, and I had hoped to make some further report on progress at this meeting. But what I'm going to suggest is that I meet with Dr. Senhauser and the committee again and have a report to you at the next meeting on what is a reasonable time for them to implement this further. I don't mean install it, but I'm saying let's hire the people. And my

November 5 and 6, 1987 meeting, Board of Trustees

Mr. Redman: (contd)

suggestion is going to be ninety days that we give them in which to get other people in to review the problem, to make a proposal, and to move on. So, that is my report on the billing thing. If anybody has any questions--

Mrs. Bowser:

I think you're to be commended for the amount of time and interest that you have shown in this; it is certainly your area of expertise.

Mr. Redman:

Well, I would like to have Mr. Teaford expound, just a bit, on this.

Mr. Teaford:

Well, I will begin by saying "Amen." I amused you all last night with three bills or three mailings that I got in one day. One check refunding some of the money I had paid; another one, a bill for \$2.00 from the same people who were refunding the money; and still another bill for \$25.00, for which they said I hadn't paid. I still believe if I pay it, I'll get a check for \$25.00 back, eventually. But it all demonstrates that I think this system is for the benefit of the doctors, because everyone of those three things I got cost the doctors a lot of money and they didn't get any. I don't think anyone should think we are trying to shove something at the doctors which is injurious, I think quite the opposite. I think this is a program which the doctors will benefit from.

President Jennings:

Ed, I think you did extraordinarily well. It is, in medicine today, a general problem and it's wrapped up in anywhere from tradition to Medicaid rules and regulations. Ed, I think you did extraordinarily well, because it is appropriate to -- if there is a loss of investment in billing equipment associate with this, we should make that good. But we should make it good in the context of a fully depreciated item that is there. I think that is altogether appropriate and would be totally consistent with what we do. I think it is also appropriate to point out that this has absolutely nothing to do with the Practice Plan. We established a Practice Plan two years ago, as has been reported, that is up and working in terms of institutional knowledge of physician income. That Practice Plan provides that information to the chair of the department, to the dean, and to the president of the University. This has nothing to do with that. It is important to say that because the request for a central billing system came at the same time that we established a Practice Plan, and there was some thought that was the reason for it. But in fact, the reason is this is a generic problem across the United States and we need to try and deal with it. It is extraordinarily complex. I think we do need a Big 8 firm. For those members of the Board and in the

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President Jennings: (contd)

audience, we are talking about the Big 8 accounting firms, not the universities out west. I think, also, that Mike Covert, Dr. Tzagournis, and Dr. Senhauser should be complimented on this. This is slower than we would all like, but it is complicated and I think it is going to get done. Joel's experience is all of ours. Although, I might add, that if you were to join the University's PPO, you would get--

Mrs. Bowser:

I don't think we can, but I'd be happy to.

Mr. Teaford:

I told you before, Mr. President, if you make that available to the Trustees, I'd be joining it.

President Jennings:

We might have to talk about cutting your salary associated with this Board if you join.

Mr. Teaford:

Well, I'll take it.

Mr. Redman:

Well, if we have completed that subject, I'd like to ask Mr. Ihrig to tell us about Humana or MedOhio, formerly Humana. And that we ask him to do what we asked when we made the deal, which is to give us a monthly report on how much money we've lost--

Mr. Kessler:

Or made.

Mr. Redman

Well, I think all of the projections, Mr. Kessler, show that at least in the first year we were going to lose money. So they didn't withhold that information from us, but my only question is how much.

Mr. Ihrig:

Mr. Chairman, we summarized each of the quarters and we provided a monthly review of this, the Hospitals is reviewing it on a monthly basis. Since the first of April, when that operation initiated, there was a projected budget of net revenues of just over \$2 million, the net revenues have actually been at \$1.7 million. Expenses were projected at just over \$2.1 million, expenses have actually been at \$1.8 million. So, while the revenues have been down under projections, so have the expenses appropriately. The net income was budgeted to be a loss during that period of just over \$101,000, the actual loss in that

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Mr. Ihrig: (contd)

period is \$105,004. So, while the operations are close to budget, they still are on the negative side and that was during the start up period. I know, Mr. Covert and the Hospitals people are working to keep this more in line with budget, and hopefully do whatever possible to actually improve over budget. This is the budget that we had set up jointly with the review by the Price Waterhouse people, the consulting firm that we had in this. We are just about on target during the period.

Mr. Redman:

The only difference is the failure to include the costs of the interest which you have on your report here of \$105,000, during this period.

Mr. Ihrig:

That's correct.

Mr. Redman:

If you took that into consideration, we would have lost \$290,000 in three months?

Mr. Ihrig:

No, that would have been since April, seven months.

Mr. Redman:

I don't recall in the original discussion whether or not we put interest factor into that projection, but in any event, that is what it is.

Mr. Ihrig:

Yes, that is included in the total Hospitals operation.

Mr. Redman:

That is not an actual outlay, it is a computed figure.

Mr. Ihrig:

Correct.

Mr. Redman:

And because, as I understand it, we transferred money from the Hospitals reserve to make that \$6 million deal.

Mr. Ihrig:

The Hospitals is covering the capitalization costs of this as part of their total operations, that is correct.

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Mr. Redman:

So, we are not interdepartmentalized in charging interest against this operation from the Hospitals cost?

Mr. Ihrig:

No, that is correct.

Mr. Redman:

All right. Any questions, Mr. Kessler, you--

Mr. Kessler:

No, I was listening intently.

Mr. Redman:

I knew you had an interest in this. I suppose Mr. Covert would like to tell us what he has in mind to change the operation in order to cut down our loss.

Mr. Covert:

The second six months of our activity has been predicated on a reorganization of our physician contractual relationships. That is one item that there will be a difference financially. The other is a very specific, what I will refer to as marketing efforts in order to attract additional funds and activities in respect to that. I will be happy to come back to the Board with more specifics on how we will handle that over the next six months. I'd like to say we have been meeting on an every other week basis as it relates to the management of that activity.

There are a couple other activities we will look at -- the actual bids for support services, lab, and some of those services that will also reduce those activities as well, as we have an opportunity to expand with our in-house capability of doing this presently.

Mr. Redman:

So you really haven't swept it under the rug, you are paying some attention to it and hopefully reducing the loss?

Mr. Covert:

Mr. Chairman, I'm paying a great deal of attention to it.

Mr. Redman:

Thank you.

Mr. Teaford:

It sounds to me, too, Mr. Chairman, like this thing is doing

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Mr. Teaford: (contd)

quite well. As you know, I was one of the people who pushed hard on that score, but I am pleased with this report.

President Jennings:

And lest we focus too much on the dollars associated with this, we should keep in mind that it is a location for medical students and residents to deal with primary care issues, that as a tertiary care hospital we are poorly equipped to deal with. While I am sure Mike will deal with this issue well financially, we have to keep in mind the fundamental reason we are in this activity is for educational purposes, so that our students and residents can experience a primary medical situation that we find difficult to provide at the hospital.

Mr. Redman:

If there is any other report from the Hospitals Board we would be glad to receive it, otherwise, we will move on to the Development Fund. Mr. Kessler --

Mr. Kessler:

Thank you, Mr. Chairman. I would like to make a brief report on the Development Fund Board meeting held on October 9. The audit committee reported that the accounting firm of Touche Ross, which conducted the audits for 1985-86 and 1986-87, gave the Development Fund a clean bill of health.

Vice President Tobin updated the Board on the progress of the Capital Campaign; Vice President Ihrig gave an analysis of the cost effectiveness of the Campaign; and the Development Fund Board members also discussed suggestions for greater Board involvement with University Development staff. The next meeting of the Development Fund will be Friday, March 11, 1988, at the Fawcett Center.

Mr. Redman:

Thank you, Mr. Kessler. Are there any questions? We will move on then to Mr. Teaford for the University Foundation Board of Directors.

Mr. Teaford:

The Foundation Board, as you know, meets only twice a year. At our last meeting I did report on our meeting for the fall. The next meeting will be in April; basically, I will not have a report until then.

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Mr. Redman:

I call on Mr. Ihrig to give us a report on the enrollment for Autumn Quarter.

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Mr. Ihrig:

Thank you, Mr. Chairman. Members of the Board, you have previously been sent copies of a summary report by the Registrar of the enrollment statistics. I have included handouts of those reports before you. What I would like to do is make general overall comments about the trends and directions and where we came out and those reports are separate -- they are outside the books.

Table I, in that document, shows that the overall enrollment for the University was 58,397 students, which is 441 students less than last year. The Regional Campuses were generally up, with Newark leading the pack. They were up 17%, to 1,317 students. Marion, Mansfield, and Lima are up from a range of 2 to 7.7% students, and the Agricultural Technical Institute at Wooster was down 16 students from autumn to autumn. On the Columbus Campus we had a total of 53,115 students, which represents a decline from the previous year of 765 students.

When we look at our enrollment limitation, as we talked before 40,000 FTE, our latest numbers are and we are ready to report this -- 598 students FTE's over the 40,000 limit this year. That will bring us down from 749 that we were over last year to 598. So, we are going again in the right direction on this and it is coming down.

The mix of students has changed and not quite as we projected it. Last year in December when we made our projections, we were looking at a total headcount of over 54,000, with the growth that had happened the last couple of years and we have actually come out at 53,115. This makes us almost comparable to Autumn Quarter 1985 in grand totals, but with an interesting switch. There is an increase in graduate students and a light decrease in undergraduate students when you look at that period of time -- just about 450 fewer undergraduate students overall, and an increase of about 450 graduate students.

That mix change has happened with larger numbers, new admissions, and applicants to the graduate programs. At the same time, we have gone into selective admissions, and we always use the freshmen class as the place where we make the adjustments to come into the 40,000 FTE. This year was a real uncertainty in terms of our traditional enrollment trends, because going from application to admission under selective admission for the first year throughout all the prior data about yields on the number of students -- so we came out with a total of 6,314 new first quarter freshmen. We had projected, initially, around 6,500, with a range of 6,300 to 6,500. It came out at the lower end of that range, because of yield rates dropping from admissions to acceptance of admissions. There seems to be around the nation -- this is a national phenomena, not just Ohio State -- an increase in multiple applications by entering freshmen. People are shopping more, the application rates are up, and there was an increase in applications throughout the universities in Ohio. So, we found that our traditional 3% loss dropped to 5%.

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Mr. Ihrig: (contd)

We also found -- the other side we used some exception spaces for students who are outstanding scholars, who have outstanding performance capabilities in the arts, and also for athletic teams and nontraditional students. We didn't have to use as many of those nontraditional spaces this year as in the past. I think that is primarily due to the increased publicity regarding selective admissions, the increased awareness of students understanding that we are more in line with other universities admissions policies, rather than on a first come, first serve basis for the Autumn Quarter. All this tends to have worked to reduce the need for exception spaces and these students getting in under the normal process.

The dormitories, along the same line, are full again this year with about 9,600 undergraduates, 900 graduate students, and 400 in married student housing. The other interesting aspect that the housing people are very pleased with this year is the intensity and level of study in the dormitories and the lack of extraneous incidents. The study activity has really increased during the week in the dormitories and the extraneous incidents has really dropped off. It is a completely different environment in the dormitory system, and we think it is a direct impact of the selective admissions in those activities.

Overall we have had a decline in the part-time student and with the population in the Central Ohio area growing, I am hard pressed to understand that. There is a heavy decrease in the graduate level part-time, we have more full-time graduate students, but we've had a decline in the number of part-time graduate students. Now the Graduate School is extremely happy with this because of the full-time graduate students coming in. They see a significant increase -- from 6,832 to 6,934, a 1 1/2% increase. We think this decrease in part-time students is the result of a couple courses in the College of Education. There was a change in the State certification requirements that went into effect the first of July, that allowed college equivalent units for ongoing certification of teachers in addition to graduate credit. So the teachers in the State of Ohio have a broader degree of choices on how to keep their certification active than they have had in the past. The College of Education had lowered the number of off-campus courses they taught this year. So we have had some adjustment in the part-time, we think it is directly related to the change of certification within Ohio.

The application rate also among the graduate students, was up on the domestic students and down by 12% on foreign students applying to the Graduate School. Again, this goes back to University policies, as you remember, the toughening up and strengthening of the pretesting for graduate students having English as a second language, being able to be fluent in the classroom and being able to read English. We think the word has gotten out on this and those foreign students who aren't able to pass those tests and come in and be quality performers in the classrooms have gotten the word and have acted accordingly.

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Mr. Ihrig: (contd)

The professional school enrollments are down slightly and that is due to the ongoing adjustments in the entering classes of the professional schools. They had those peak years and they have been making slight downward adjustments to accommodate the appropriate levels that they consider for their colleges. When we look at the college shifts within, there is a heavy influx of more and more students selecting the arts and science colleges as their curriculum and enrollment emphasis. With enrollment management within the University, there is a continued decrease in engineering and that is a planned decrease. The real heavy increase has been in the arts and sciences and there seems to be fewer students in those colleges in an undecided mode.

Mr. Teaford:

There is a big increase in journalism, too, which is distressing.

Mrs. Bowser:

Now, Joel.

President Jennings:

Actually, there is a huge increase in journalism. Most of that increase is the advertising curriculum --

Mr. Teaford:

Good. That's OK.

Mrs. Bowser:

And public relations. We need public relations.

President Jennings:

The Journalism faculty is having a tough time adjusting to the great leaps, but that will level out.

Mr. Scott:

You might be interested in knowing, Mr. Teaford, that we have half of a journalism class here today.

Mr. Teaford:

I know that.

Mr. Ihrig:

The credit hour loads by the students remain essentially the same in most categories. The graduate student credit hour loads increased slightly and again that is part of the adjustment on the part-time to full-time students that we are experiencing.

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Mr. Ihrig: (contd)

When we look at the sources of enrollments of the students basically there was very little change. The students from Ohio represent 86.8% of the total student body enrollment versus 87.4%, a 6/10 of a percent decline this year. That was made up of students from other U.S. states and territories which went up from 7.5% to 8.1%. The foreign students still remain at 4.7%, or 2,757 students, out of the entire student body.

The final bit of information I have on the enrollment relates to the minority students. The overall minorities did have a slight increase this year over the previous year, total minorities went up from 4,046 to 4,127. However, black enrollments totally went down, on the Columbus Campus, 2,313 down to 2,357; while at the same time the black students had an increase from 361 to 383 in the entering freshman class. That represents 6.1% of the entering freshman class on the Columbus Campus. Looking at some of the numbers, also, it was interesting to note that during the last academic year there were 400 black students who received their degrees from Ohio State from all areas. That was up from 379 black students who received their degree the previous year, and 320 the year before. So I think the good news is the increasing number of black students that are receiving their degrees, and at the same time we are bringing increasing numbers into the freshman class. I think that is the trend in the right direction which we are looking toward in the long-term on the action plan the Provost talked about previously.

Mr. Teaford:

Are those American black students?

Mr. Ihrig:

Yes, and we separate those out from the foreign. I would be glad to try to respond to any questions that you may have.

Mr. Redman:

Mr. Ihrig, two questions -- in your judgement, has the increase in the enrollment fee caused any problems, other than to the students, to Ohio State?

Mr. Ihrig:

Yes. That is an interesting phenomena, because a year ago we did not increase tuitions at all, the previous fiscal year, and the enrollment trends held up and then we had the increase this year. I'm not going to say that there would not be any impact, because there will be some students that might have to take an extra quarter off to work to have the money to go on. However, we did increase the financial aid activity enough to accommodate the students. The most important part of that, is that the two-year increase was below the State averages overall during that period. So the unfortunate part is that it was beneficial to those students in the year we didn't increase it, and then it

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Mr. Ihrig: (contd)

hit harder in the second year. So, some of the students may have gotten caught on that.

Mr. Redman:

But we did that because of the uncertainty on the State budget, we didn't know what we were going to get.

President Jennings:

No, let's recognize that the original recommendation on the State budget was for all institutions of higher education in the State of Ohio to increase tuition by 33%. As that went through the various processes, the budget passed initially by the House was a recommendation to increase tuition by 27%. As the budget was finally passed by the House and Senate and signed by the Governor, the increase recommended was a 22% tuition increase. And as we have been doing for the past several years, we have attempted to do roughly half of what the State recommends in their budget processes, and we ended up with an 11% recommendation. Part of the uncertainty is that we set these tuitions tentatively in May, when there was no bill, at a somewhat lower rate with an expectation that the final bill passed would allow us to increase tuition by only 8%, which would have been again roughly half. In conference committee those monies were removed from the budget. I think it is also important to recognize that as we look around, as Weldon said, the scholarship fund -- not only was it's purchasing power maintained, but it was also increased to accommodate those students who then became eligible for aid or more aid because of the tuition increase.

I might also add that if some units in the State were setting their budgets on a basis of a 3% or 4% tuition increase, they must not have been listening very much over the entire spring operation when these 1/3 increases were being recommended.

Mr. Teaford:

I think we also might want to point out, Mr. President, in light of our discussion earlier about library hours and cost containment, one of the options which was chosen by the University was not to increase tuition by the recommended percentages and that resulted in the cost containment. We deal in a lot of rough choices, and that is just one more of them.

Mr. Redman:

The other question I have is -- and this is an interest to Mrs. Bowser, I think -- our enrollment in the Agricultural College, as I read it, dropped from 1,290 to 1,268, is that correct?

Mr. Ihrig:

Yes, that is correct. That decline though in the number of agricultural students is slowing down --

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Mrs. Bowser:

I was going to say, that is a lesser drop than it has been.

Mr. Ihrig:

Yes, that is right. When we take the credit hours involved we actually had a slight increase in the total FTE's enrollments.

Mr. Redman:

Well, we hope we get it around to where it will go up, instead of thinking we're doing great if it only goes down 10% instead of 50%.

President Jennings:

Well, remember that 1,200 is roughly half of what the enrollment in the College of Agriculture was in 1976. Over that period of time it has dropped by roughly by 50%.

Mr. Redman:

I hope it is not a continuing trend. I was certainly impressed when we had the meeting at Wooster and some of the things that those folks are doing and the people we got from Texas to implement these new agricultural experiments, and so on. Hopefully this will attract additional students in the College of Agriculture.

President Jennings:

It is also a national trend, let's recognize that --

Mrs. Bowser:

Well, there are reasons for it.

President Jennings:

The career opportunities are easily perceived as being somewhat less than they were.

Mr. Teaford:

Part of the reason though is that the College of Agriculture has split into two colleges.

President Jennings:

Yes, Home Economics is separate now. When I talk about the half, I am talking about just the current College of Agriculture. The Home Economics has been removed from that, but even if you remove the Home Economics, it is still a 50% decline.

Mr. Redman:

Thank you, Mr. Ihrig.

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Mr. Ihrig:

Thank you.

President Jennings:

Mr. Chairman, let me just make one comment about that enrollment report. It is very good considering all that we have been through on the enrollment activities. The uncertainty that Weldon and his people are having to deal with on the enrollment, I'm very confident, will continue, not only in the yield figures as we move toward selective admissions throughout the institution, but our retention rates will continue to improve as the years go on. But how much they will improve will be very difficult to project, and we should still have uncertainty. Also, I want to be sure to emphasize that any declines we have overall is not policy. The policy basically is to keep the enrollment where it is right not, declines or increases are simply because statistically we missed the numbers by a small amount. And when you miss by 400 out of 60,000, it ain't to bad, Mr. Accountant.

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**AMENDMENT TO THE BYLAWS OF THE MEDICAL
STAFF OF THE OHIO STATE UNIVERSITY HOSPITALS**

Resolution No. 88-41

Synopsis: Amendment to the Bylaws of the Medical Staff of The Ohio State University Hospitals is proposed.

WHEREAS The Ohio State University Hospitals Board pursuant to Bylaw 3335-101-04 of the Hospitals Board Bylaws is authorized to recommend to the Board of Trustees the adoption of amendments to the Bylaws of the Medical Staff of The Ohio State University Hospitals; and

WHEREAS the proposed amendment to Bylaw 3335-43-07 was approved at the University Hospitals Board meeting on September 24, 1987, as follows:

AMENDED BYLAW

3335-43-07 Divisions of the medical staff.

(A) through (D) unchanged.

(E) Clinical privileges.

(1) Restrictions:

- (a) Every person practicing at university hospitals by virtue of medical staff membership or otherwise shall, in connection with such practice, be entitled to exercise those clinical privileges specifically granted to him by the clinical department of which he is a member. The

AMENDMENT TO THE BYLAWS OF THE MEDICAL
STAFF OF THE OHIO STATE UNIVERSITY HOSPITALS (contd)

process of delineating privileges shall be the responsibility of the clinical division chief with the approval of the chief of the clinical department if there is no clinical division and shall be on file with the medical director. A medical staff member may contest the specific privileges granted to him under rule 3335-43-04 of the Administrative Code.

- (b) The evaluation of every initial application for clinical privileges shall be based upon the applicant's education, training, experience, demonstrated competence, references and other relevant information, including an appraisal by the clinical division chief of the division in which such privileges are sought. The applicant shall have the burden of establishing his qualifications and competence in the clinical privileges and the recommendation for increase or reduction of same shall be the responsibility of each clinical division chief or clinical department chief.

(2) Special privileges:

Under special circumstances privileges at the university hospitals may be granted to a doctor of medicine, osteopathic medicine, dental surgery, and to a practitioner of podiatry by the clinical department chief or his designee in concurrence with the medical director. The extent of privileges will be governed by the applicant's training and experience and will be in keeping with clinical department guidelines.

(3) Podiatric privileges:

- (a) All patients admitted for podiatric care shall receive the same medical appraisal as all other hospitalized patients. A member of the medical staff who is a doctor of medicine or osteopathic medicine shall admit the patient and be responsible for the history and physical and medical care that may be required at the time of admission or that may arise during hospitalization, and shall determine the need of any proposed procedure on the total health status of the patient. The podiatrist will be responsible for the podiatric care of the patient including the podiatric history and physical examination and all appropriate elements of the patient's record. Any proposed procedures by the podiatrist must be approved by, and be under the direct supervision of, an active member of the medical staff who is a doctor of medicine or osteopathic medicine.
- (b) The podiatrist will be responsible to the chairperson of the department of surgery.

(4) Associates to the medical staff privileges:

Other health care professionals who are duly licensed in the

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AMENDMENT TO THE BYLAWS OF THE MEDICAL
STAFF OF THE OHIO STATE UNIVERSITY HOSPITALS (contd)

state of Ohio and who are members of the faculty of the Ohio state university college of medicine may be granted clinical privileges to provide specified patient care services under the supervision or direction of a physician member of the medical staff. Such professionals must apply for privileges in the same manner as provided in rule 3335-43-04 of the Administrative Code and this rule for medical staff membership and clinical privileges. Each person granted privileges must be assigned to a clinical department appropriate to his professional training and will be responsible to the chief of the clinical department for his activities. The medical staff administrative committee may establish particular qualifications required of members of a specific health care profession, provided that such qualifications are not founded on arbitrary or discriminatory basis and are in conformance with applicable law. No other section of the medical staff bylaws, including the appeals mechanism, applies to these individuals.

- (5) A physician may employ or utilize the services of a professional assistant in the administration of patient care if this assistant has a defined job description, has received credentials review and approval by the appropriate hospital reviewing body, and is operating within existing hospital standards, policies, and procedures. The physician will be responsible for all patient care activities performed on his/her behalf.

NOW THEREFORE

BE IT RESOLVED, That the foregoing amendments to the Bylaws of the Medical Staff of The Ohio State University Hospitals be adopted as recommended by the University Hospitals Board.

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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CORRECTION

Resolution No. 88-42

Resolution 88-32 naming the building at 10th and Neil Avenues, "Arthur G. James Hall" of The Ohio State University Cancer Hospital and Research Institute and approved by this Board on October 2, 1987, is amended as follows. The portion of the resolution which reads:

NOW THEREFORE

BE IT RESOLVED, That hereafter the building at 10th and Neil Avenues shall bear the name, "Arthur G. James Hall" of The Ohio State University Cancer Hospital and Research Institute.

is amended to read (underlining indicates corrected language):

NOW THEREFORE

November 5 and 6, 1987 meeting, Board of Trustees

CORRECTION (contd)

BE IT RESOLVED, That hereafter the building at 10th and Neil Avenues shall bear the name, "The Arthur G. James Cancer Hospital and Research Institute of The Ohio State University," in honor of Dr. Arthur G. James.

Upon motion of Mr. Wolf, seconded by Ms. Casto, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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DEGREES AND CERTIFICATES - AUTUMN QUARTER COMMENCEMENT

Resolution No. 88-43

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

NOW THEREFORE

BE IT RESOLVED, That the degrees and certificates be conferred on December 11, 1987, 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. Teaford, seconded by Mr. Kessler, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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HONORARY DEGREES

Resolution No. 88-44

Synopsis: Approval is requested for awarding honorary degrees to four individuals.

WHEREAS the Committee on Honorary Degrees and the University Senate, pursuant to rule 3335-5-488 of the Administrative Code, have approved for recommendation to the Board of Trustees awarding of honorary degrees as listed below:

Erich Bloch	Doctor of Science and Engineering
Philip Johnson	Doctor of Arts

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HONORARY DEGREES (contd)

Richard M. Morrow	Doctor of Engineering
Peter Taylor	Doctor of 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. Wolf, seconded by Mr. Teaford, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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PERSONNEL ACTIONS

Resolution No. 88-45

RESOLVED, That the personnel actions as recorded in the Personnel Budget Records of the University since the October 2, 1987 meeting of the Board, including the following Appointments, Appointment of Chairpersons of Departments, Appointment of Chairperson of Department--Change of Dates, Leaves of Absence Without Salary, Leaves of Absence Without Salary--Continuation, Professional Improvement Leave--Change of Dates, and Emeritus Titles as detailed in the University Budget be approved, and the Medical Staff Appointments/Reappointments approved September 24, 1987, by the Hospitals Board be ratified.

Appointments

Name: JOHN M. CASSADY
Title: Dean/Professor
College/Division: Pharmacy/Medicinal Chemistry and Pharmacognosy
Effective: April 1, 1988
Salary: \$98,000.00
Present Position: Professor and Department Head, Purdue University, School of Pharmacy and Pharmacal Sciences, Department of Medicinal Chemistry and Pharmacognosy

Name: OLGA JONASSON
Title: Chairperson/Professor (The Robert M. Zollinger Chair of Surgery)
Department: Surgery
Effective: October 1, 1987
Salary: \$115,080.00
Present Position: Chairperson/Professor, Department of Surgery

Name: DOUGLAS J. WHALEY
Title: Professor (The James W. Shocknessy Professorship of Law)
College: Law
Effective: October 1, 1987
Salary: \$81,480.00
Present Position: Professor, College of Law

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PERSONNEL ACTIONS (contd)

Appointment of Chairpersons of Departments

September 15, 1987 through June 30, 1988

Horticulture

James D. Utzinger*

October 1, 1987 through June 30, 1991

Educational Studies: Humanities, Science,
Technological and Vocational
Educational Theory and Practice

Gilbert A. Jarvis
Frank J. Zidonis

*Acting Chairperson

Appointment of Chairperson of Department--Change of Dates

October 1, 1987 through June 30, 1991

Surgery

Olga Jonasson

Leaves of Absence Without Salary

STEPHEN J. RALLIS, Professor, Department of Mathematics, effective Winter Quarter 1988, to accept a Fellowship at the Institute for Advanced Studies at Hebrew University in Jerusalem.

KARL RUBIN, Professor, Department of Mathematics, effective Spring Quarter 1988, to visit the University of Cambridge (England), the University of Erlangen (West Germany), and the Max-Planck-Institut in Bonn (West Germany).

MARTHA S. PITZER, Assistant Professor, Department of Life Span Process, effective Autumn Quarter 1987, Winter Quarter and Spring Quarter 1988, to work on research projects.

ALICE SILVERBERG, Assistant Professor, Department of Mathematics, effective Spring Quarter 1988, to partake in a special program on Algebraic Geometry and Abelian Varieties at the Mathematisches Institut, Universitat Erlangen-Nurnberg, Germany.

GALAL WALKER, Assistant Professor, Department of East Asian Languages and Literatures, effective Autumn Quarter 1987 and Winter Quarter 1988, to participate in the research program of the National Foreign Language Center, Washington, D.C.

Leaves of Absence Without Salary--Continuation

YUJI KODAMA, Associate Professor, Department of Mathematics, effective Autumn Quarter 1987 and Winter Quarter 1988, to continue his work at the University of Nagoya in Japan.

Leaves of Absence Without Salary--Continuation

REBECCA D. JACKSON, Assistant Professor, Department of Internal Medicine, effective September 21, 1987, through October 18, 1987, for medical reasons.

November 5 and 6, 1987 meeting, Board of Trustees

PERSONNEL ACTIONS (contd)

Professional Improvement Leave--Change of Dates

JACK L. NASAR, Associate Professor, Department of City and Regional Planning, change leave from Autumn Quarter 1987, Winter Quarter and Spring Quarter 1988, to Autumn Quarter 1988, Winter Quarter and Spring Quarter 1989.

Emeritus Titles

JOHN O. KANGAS, Department of Psychiatry, with the title Professor Emeritus, effective January 1, 1987.

BERLIE L. SCHMIDT, Department of Agronomy, with the title Professor Emeritus, effective November 1, 1987.

LAKIE H. GILLESPIE, Cooperative Extension Service, with the title Instructor Emeritus, effective November 1, 1987.

Upon motion of Ms. Casto, seconded by Mrs. Bowser, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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RESOLUTIONS IN MEMORIAM

Resolution No. 88-46

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.

George B. Ganyard

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on May 25, 1987, of George B. Ganyard, Instructor Emeritus in the Cooperative Extension Service.

Mr. Ganyard was born on October 29, 1898, in Stow, Ohio. He received his B.S. in Agriculture from The Ohio State University in 1921; then spent thirteen years operating a dairy farm in Medina County.

Mr. Ganyard began his Extension experience when he joined the faculty at The Ohio State University in 1934 as a County Agricultural Agent in Richland County. In 1948, he became the County Agricultural Agent in Franklin County and continued in this position until his retirement in 1965, when he was named Instructor Emeritus. Mr. Ganyard was respected by his peers and associates throughout the State as he worked to provide excellent Extension educational programs for the citizens in his county.

On behalf of the University community, the Board of Trustees expresses to the family of George B. Ganyard its deepest sympathy. It was directed

November 5 and 6, 1987 meeting, Board of Trustees

RESOLUTIONS IN MEMORIAM (contd)

George B. Ganyard (contd)

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.

Malcolm L. Gardner

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on August 30, 1987, of Dr. Malcolm Gardner, Associate Professor Emeritus in the Department of Psychiatry.

Professor Gardner received his undergraduate degree from the College of Charleston in 1947 and his Ph.D. degree from the University of Illinois in 1955. He began his 24-year career at The Ohio State University in 1956, when he became the Coordinator of Psychological Training for the Columbus Psychiatric Institute and Hospital. When the Institute became part of The Ohio State University Hospitals, Dr. Gardner was the first Director of Psychological Services, an appointment he held from 1959 to 1966. From 1966 until his health-related retirement in 1980, Mac served as Chief Psychologist in the Adult Psychiatry Clinic of University Hospitals. During this period he was instrumental in developing Group Psychotherapy and Human Sexuality programs within the Department of Psychiatry; he also made significant contributions to the teaching and training of medical students, psychiatric residents, and psychology interns. Upon his retirement in 1980, he was named Associate Professor Emeritus.

In 1976, Dr. Gardner was awarded the Distinguished Service Award by the Ohio Psychological Association in recognition of his numerous contributions to the discipline of Psychology throughout the State of Ohio. Two years later, Dr. Gardner served as President of the Ohio Psychological Association.

On behalf of the entire University Community, the Board of Trustees expresses to the family of Dr. Malcolm L. Gardner its deepest sympathy. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to his wife and family as an expression of the Board's heartfelt sympathy.

Jack N. Taylor

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on September 7, 1987, of Jack N. Taylor, M.D., Associate Professor Emeritus in the Department of Surgery.

Dr. Taylor was born in Jacksonville, Florida, on August 15, 1918. He received his B.A. degree from The Ohio State University and his M.D. degree from Harvard Medical School. He did his internship at Boston City Hospital and his residency in Surgery at The Ohio State University. He completed his Urology residency at the University of Michigan.

After completing military service as captain, he became an Assistant Professor in the Division of Urology, Department of Surgery, and

November 5 and 6, 1987 meeting, Board of Trustees

RESOLUTIONS IN MEMORIAM (contd)

Jack N. Taylor (contd)

Associate Professor in 1960. Upon his retirement in 1985, he was named Associate Professor Emeritus. Dr. Taylor was active in many professional societies, including the American Urological Association and the American College of Surgeons. He was a past president of the North Central Section of the American Urological Association, a member of the American Medical Association, and was past president of the Rotary Club of Columbus.

On behalf of the University community, the Board of Trustees expresses to the family of Jack N. Taylor, M.D., its deepest sympathy. 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.

Benjamin Roland Wiltberger

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on June 3, 1987, of Benjamin Roland Wiltberger, Clinical Professor Emeritus in the Department of Surgery.

Dr. Wiltberger graduated from The Ohio State University with a Bachelor's degree in 1936 and, in 1940, received his Doctor of Medicine degree. He served an internship and later completed his residency in orthopaedic surgery in 1947 at the Henry Ford Hospital in Detroit, Michigan. Dr. Wiltberger's post-graduate training was interrupted by his service in the United States Army Medical Corp in Europe and Africa from August 1942 through April 1946, at which time he was discharged as a captain with two bronze star decorations.

Dr. Wiltberger was appointed Clinical Instructor at The Ohio State University College of Medicine in 1952 and received promotions through July 1969, at which time he was appointed Clinical Professor. Upon his retirement in 1984, he was named Clinical Professor Emeritus.

Dr. Wiltberger was a pioneer in the treatment of ruptured intervertebral disc disease by the use of intervertebral dowel fusion, both in the lumbar and cervical spine. This technique is now performed throughout the world and was first described by Dr. Wiltberger. His bibliography includes twenty-three publications relative to orthopaedic surgery, as well as numerous presentations at national and international meetings.

Dr. Wiltberger's achievements include membership in the society of Sigma Xi, as well as election to the Alpha Omega Alpha Medical Honor Society while in medical school. He was a member of the American Academy of Orthopaedic Surgeons, The American Board of Orthopaedic Surgery and The American College of Surgeons. In addition to this, he was a member of eleven other medical and surgical societies. Dr. Wiltberger was elected to membership in The Ohio State University's President's Council in 1979, and received the Alumni Achievement Award in 1980. He received the order of Hippocrates from The Ohio State University College of Medicine Medical Alumni Society in April 1983.

November 5 and 6, 1987 meeting, Board of Trustees

RESOLUTIONS IN MEMORIAM (contd)

Benjamin Roland Wiltberger (contd)

In addition to his academic career, Dr. Wiltberger was involved in the private practice of orthopaedic surgery at The Ohio State University Hospitals, Riverside Methodist Hospital and St. Anthony Hospital, where he served as chief of staff. Throughout his career, Dr. Wiltberger was a loyal, generous, innovative, enthusiastic teacher and supporter of the Division of Orthopaedic Surgery of The Ohio State University College of Medicine. His contributions to orthopaedic surgery and to education have been appreciated by his many residents and medical students. His absence is strongly felt by The Ohio State University College of Medicine and the community of Columbus, Ohio.

On behalf of the University community, the Board of Trustees expresses to the family of Benjamin Roland Wiltberger its deepest sympathy. 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.

Upon motion of Ms. Casto, seconded by Mr. Wolf, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS

Resolution No. 88-47

Synopsis: The reports on contracts, grants, and gifts and the summary for September 1987 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, The Ohio State University Development Fund, and The Ohio State University Foundation:

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 State University Development Fund, and The Ohio State University Foundation during the month of September 1987 be approved.

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

November 5 and 6, 1987 meeting, Board of Trustees

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

SUMMARY FOR SEPTEMBER 1987

Source	No. of Projects	Support Level
The Ohio State University Research Foundation	95	\$9,624,780.26
Engineering Experiment Station	62	337,493.00
Total	157	\$9,962,273.26

The Ohio State University Development Fund

Establishment of Named Fund

The Steve & Sarah O'Donnell Fund for University Systems (To benefit University Systems employees)		\$ 400,000.00
The M.D./Ph.D. Endowment in the College of Medicine (Research scholarships)		\$ 139,755.00
The Elmer S. Bowers Scholarship Fund (Scholarships)		\$ 134,890.27
Helen C. Clabaugh Scholarship Fund (Scholarships - College of Home Economics)		\$ 66,557.70
The Simon H. Leister Engineering Scholarship and Grant-In-Aid Fund (Scholarships and/or grants-in-aid)		\$ 50,000.00
Luther M. Keith Lectureship in Surgery (Annual lecturer in the College of Medicine)		\$ 21,000.00
Edna and R. George Jaap Scholarship Fund (Scholarships - College of Agriculture)		\$ 15,000.00

Change of Name and Description of Named Fund

From: Lois E. Dickey Endowment
To: Lois E. Dickey and Esther A. Meacham Endowment

Change in Description of Named Funds

Roy E. Roeder Memorial Scholarship Fund
Zelma L. Roeder Memorial Scholarship Fund

November 5 and 6, 1987 meeting, Board of Trustees

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

SUMMARY FOR SEPTEMBER 1987 (contd)

The Ohio State University Foundation

Approval of Description and Establishment
of Funds

Portion Transferred
for Program Support*

Shih-Yuan Michael Chen, Ph.D., Scholarship
Fund

The Community Mutual Blue Cross/Blue Shield
Fund

*Portion transferred is to be specified annually in a report submitted by the University Treasurer.

REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (cont'd)

THE OHIO STATE UNIVERSITY
OFFICE OF UNIVERSITY DEVELOPMENT
OSU FOUNDATION & DEVELOPMENT FUND RECEIPTS

July-September
1986-87 compared to 1987-88

GIFT RECEIPTS BY DONOR TYPE

	<u>July</u> <u>1986-87</u>	<u>Donors</u> <u>through</u> <u>September</u> <u>1987-88</u>	<u>%</u> <u>Change</u>	<u>1986-87</u>	<u>Dollars</u> <u>July</u> <u>through</u> <u>September</u> <u>1987-88</u>	<u>%</u> <u>Change</u>
Alumni	13,590	12,249	(10)	\$1,579,447	\$1,315,442	(17)
Non Alumni	8,498	7,622	(10)	2,259,662	1,359,927	(40)
Corporations	506	451	(11)	1,836,755	1,556,576	(15)
Corporate Foundations	122	138	13	224,957	375,185	67
Private Foundations	39	44	13	572,769	5,354,163	835
Other	<u>214</u>	<u>245</u>	14	<u>730,668</u>	<u>803,336</u>	10
TOTAL	22,969	20,749	(10)	\$7,204,258	\$10,764,629	49

REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (cont'd)

The Ohio State University Campaign
Progress Report
@ September 30, 1987

	<u>*Campaign Expectancies</u>	<u>Current Year Campaign Receipts (July-Sept. 87)</u>	<u>Previous Years' Campaign Receipts As of June 30, 1986</u>	<u>Total</u>	<u>Campaign Goal</u>	<u>% Achieved</u>
Alumni	\$60,472,108	\$1,315,442	\$27,516,929	\$89,304,479	\$122,500,000	73
Friends	34,862,167	1,359,927	20,800,770	57,022,864	70,000,000	81
**Corporations	12,697,668	2,735,097	66,838,006	82,270,771	122,500,000	67
Foundations	<u>3,320,500</u>	<u>5,354,163</u>	<u>8,925,528</u>	<u>17,690,191</u>	<u>35,000,000</u>	51
Totals	\$111,442,443	\$10,764,629	\$124,081,233	\$246,288,305	\$350,000,000	70

*Defined as pledges and deferred commitments less payments already received.

**Corporations, businesses, associations and private agencies.

November 5 and 6, 1987 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION

Report - September 1987

Federal Research Contracts/Grants

\$594,412.00 - Department of Health and Human Services, Public Health Service, Health Resources and Services Administration, Rockville, Maryland, East Central Regional AIDS Education and Training Center, Department of Family Medicine (L. L. Gabel) and Department of Internal Medicine (M. F. Para), 1 September 1987 through 31 August 1988. (Project 766345 - New)

\$582,500.00 - National Aeronautics and Space Administration, Washington, D.C., A Center for Commercial Development of Space: Real-Time Satellite Mapping, Center for Mapping (J. D. Bossler); Department of Geodetic Science and Surveying (I. I. Mueller, C. C. Goad and A. F. Schenk); Department of Civil Engineering (S. E. Smith, M. R. McCord and K. W. Bedford); Department of Agronomy (B. L. Schmidt and T. J. Logan); Department of Agricultural Engineering (A. D. Ward and B. H. Nolte); and Department of Geography (H. J. Moellering), 1 September 1987 through 29 February 1988. (Project 765707 - Continuation)

\$550,300.00 - Department of Commerce, National Oceanic and Atmospheric Administration, Rockville, Maryland, Ohio Sea Grant Program, Center for Lake Erie Area Research (C. E. Herdendorf, J. M. Reutter, M. Brainard and D. E. Rathke); Department of Agricultural Economics and Rural Sociology (L. J. Hushak, C. S. Thraen and A. J. Randall); Department of Zoology (D. A. Culver, D. W. Garton, T. A. Bookhout and F. J. Margraf); Department of Civil Engineering (J. G. Lyon, M. R. McCord, S. E. Smith and K. W. Bedford); Department of Welding Engineering (C. L. Tsai); Department of Natural Resources (R. W. Fortner); Department of Educational Theory and Practice (V. J. Mayer); and Cooperative Extension State Operations (P. R. Thomas), 1 September 1987 through 31 August 1988. (Project 764320 - Continuation)

\$478,856.00 - International Development Cooperation Agency, Agency for International Development, Washington, D.C., Improvement of Savings and Credit Services by Rural Financial Institutions in Developing Countries, Department of Agricultural Economics and Rural Sociology (R. L. Meyer and J. Havlicek, Jr.), 1 September 1986 through 31 December 1988. (Project 763301 - Continuation)

\$211,905.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Topical In-Vivo Electron Spin Resonance, Department of Chemistry (L. J. Berliner), 15 August 1987 through 14 August 1988. (Project 766380 - New)

\$199,047.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Biochemistry of Natural Products, Biotechnology Programs (P. E. Kolattukudy), 1 July 1987 through 31 December 1987. (Project 766224 - New)

November 5 and 6, 1987 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

\$195,500.00 - Department of Energy, Oak Ridge, Tennessee, Instrument for Measurement of Particle Sizes in Flames, Department of Mechanical Engineering (R. H. Essenhigh), 15 September 1987 through 14 September 1990. (Project 766372 - New)

\$149,330.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Ion Transport by Heart Mitochondria, Department of Physiological Chemistry (G. P. Brierley), 1 September 1987 through 31 August 1988. (Project 760026 - Continuation)

\$146,428.00 - National Science Foundation, Washington, D.C., Application of the Knowledge Based System Approach to Operational Problems of Engineering Systems, Department of Mechanical Engineering (D. W. Miller and B. Hajek); and Department of Computer and Information Science (B. Chandrasekaran), 15 September 1987 through 28 February 1990. (Project 766356 - Continuation)

\$146,400.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Carcinogenesis, Molecular and Cellular Biology, Cancer Research Center and Department of Physiological Chemistry (G. E. Milo), 1 September 1987 through 31 August 1988. (Project 764351 - Continuation)

\$115,925.00 - 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 July 1987 through 30 June 1988. (Project 764813 - Continuation)

\$111,001.00 - Department of Education, Office of Special Education and Rehabilitation Services, Washington, D.C., Facilitating the Transition from School to Work of Severely Learning Disabled Secondary Students, Department of Human Services Education (B. S. Growick and M. A. Klein), 1 October 1987 through 30 September 1988. (Project 765731 - Continuation)

\$105,827.00 - National Science Foundation, Washington, D.C., Holocene Paleoclimatic Reconstruction from Greenland Ice Cores, Byrd Polar Research Center (E. Mosley-Thompson and L. G. Thompson), 1 August 1987 through 31 July 1988. (Project 765661 - Continuation)

\$104,266.00 - Department of Agriculture, Cooperative State Research Service, Washington, D.C., Development of a Vaccine for Potomac Horse Fever, Department of Veterinary Pathobiology (Y. Rikihisa), 15 September 1987 through 30 September 1989. (Project 766370 - New)

\$92,277.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Mechanisms of Hexose Epimerases and Oxidoreductases, Department of Chemistry (R. M. Mayer and H. G. Floss), 1 September 1987 through 31 August 1988. (Project 765015 - Continuation)

November 5 and 6, 1987 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

\$85,000.00 - Department of Health and Human Services, Public Health Service, Centers for Disease Control, Atlanta, Georgia, Demonstration Program in the Use of Calcium Fluoride in Fluoridating a Water System, Department of Civil Engineering (A. J. Rubin and R. C. Stiefel), 1 September 1987 through 31 August 1988. (Project 764820 - Continuation)

\$82,860.00 - National Science Foundation, Washington, D.C., Studies Involving Molecules and Intermediates of Theoretical Interest, Department of Chemistry (L. A. Paquette), 1 September 1987 through 31 August 1988. (Project 766349 - New)

\$80,000.00 - Department of Agriculture, Science and Education, Washington, D.C., Yolk Precursor Metabolism in Turkey Hens Differing in Growth Rate and Reproductive Efficiency, Department of Poultry Science-OARDC (W. L. Bacon, K. E. Nestor and D. N. Foster), 15 September 1987 through 30 September 1989. (Project 766365 - New)

\$79,884.00 - 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 (M. B. Bragg and G. M. Gregorek), 1 November 1987 through 31 October 1988. (Project 762009 - Continuation)

\$78,100.00 - Department of Agriculture, Science and Education, Washington, D.C., Molecular Mechanisms of Geminivirus Replication, Biotechnology Programs and Department of Molecular Genetics (D. M. Bisaro) and Biotechnology Programs (P. E. Kolattukudy), 1 September 1987 through 31 August 1988. (Project 766350 - New)

\$77,188.00 - Department of Education, Office of Special Education and Rehabilitation Services, Washington, D.C., Training School Speech/Language Pathologists in an Educationally-Based Model, College of Education - Administration (T. M. Stephens) and Department of Human Services Education (W. A. Secord), 1 September 1987 through 31 August 1988. (Project 766389 - New)

\$76,900.00 - National Science Foundation, Washington, D.C., Cenozoic Micropaleontology and Biostratigraphy of the Victoria Land Basin, Byrd Polar Research Center and Department of Geology and Mineralogy (P. N. Webb), 1 May 1987 through 30 April 1988. (Project 765359 - Continuation)

\$75,853.00 - National Foundation of Arts and Humanities, National Endowment for the Humanities, Washington, D.C., "Art and Love in Dostoevsky and Tolstoy" National Endowment for the Humanities Summer Seminar for High School Teachers, Department of Slavic and East European Language and Literatures (F. R. Silbajoris), 1 October 1987 through 30 September 1988. (Project 766373 - New)

\$75,261.00 - National Science Foundation, Washington, D.C., Dynamic Safety Assessment of Passive Nuclear Reactor Features, Department of Mechanical Engineering (R. N. Christensen and T. Aldemir), 1 September 1987 through 28 February 1990. (Project 766353 - New)

November 5 and 6, 1987 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

\$74,704.00 - Department of Education, Office of Special Education and Rehabilitation Services, Washington, D.C., Development and Implementation of a Ph.D. Program in Special Education with Emphasis in Applied Behavior Analysis, Department of Human Services Education (W. L. Heward), 1 October 1987 through 30 September 1988. (Project 766390 - New)

\$73,000.00 - National Science Foundation, Washington, D.C., DNA Synthesis in Rice Endosperm, Department of Botany (V. Raghavan), 15 September 1987 through 14 September 1988. (Project 766364 - New)

\$72,926.00 - Department of Health and Human Services, Public Health Service, Alcohol, Drug Abuse, and Mental Health Administration, Rockville, Maryland, Muscarinic Receptor Abnormalities in Affective Illness, Department of Psychiatry (S. C. Dilsaver), 30 September 1987 through 31 July 1988. (Project 766385 - New)

\$71,490.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Parity and the Progression of Pain During Parturition, Department of Life Span Process (N. K. Lowe), 18 September 1987 through 17 September 1988. (Project 766384 - New)

\$66,660.00 - National Science Foundation, Washington, D.C., Engineering Research Equipment Grant: A Hypercube Multipressor for Real-Time Parallel Computation, Department of Electrical Engineering (F. E. Ozguner, D. E. Orin, C. A. Klein and J. M. Jagadeesh), 15 August 1987 through 31 January 1989. (Project 766344 - New)

\$66,381.00 - National Aeronautics and Space Administration, Langley Research Center, Cleveland, Ohio, Study of Powder Agglomeration in a Microgravity Experiment, Department of Ceramic Engineering (J. D. Gawley), 24 May 1988 through 23 May 1989. (Project 765777 - Continuation)

\$62,000.00 - Department of Energy, Pittsburgh Energy Technology Center, Pittsburgh, Pennsylvania, Extraction, Separation, and Analysis of High Sulfur Coal, Department of Chemistry, (S. V. Olesik and D. W. Meek), 13 August 1987 through 31 December 1989. (Project 766327 - New)

\$55,000.00 - Department of Agriculture, Science and Education, Washington, D.C., Role of α , α -trehalose in Rhizobium and the Rhizobium-legume symbiosis, Department of Agronomy-OARDC (J. G. Streeter), 1 September 1987 through 31 August 1988. (Project 766357 - New)

\$50,573.00 - National Foundation of Arts and Humanities, National Endowment for the Humanities, Washington, D.C., The Great Theorems of Mathematics, Department of Mathematics (J. C. Ferrar and W. W. Dunham), 1 October 1987 through 30 September 1988. (Project 766377 - New)

\$50,000.00 - Department of Agriculture, Science and Education, Washington, D.C., Mechanisms Regulating Nodulation Formation in Soybean,

November 5 and 6, 1987 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

Department of Agronomy-OARDC and Department of Agronomy (W. D. Bauer), 1 October 1987 through 30 September 1988. (Project 765653 - Continuation)

\$47,800.00 - National Science Foundation, Washington, D.C., Investigation of Comagmatic Complexes Using Isotope Systematics, Department of Geology and Mineralogy (K. A. Foland), 1 August 1987 through 31 January 1989. (Project 766348 - New)

\$45,732.00 - Department of the Air Force, Air Force Systems Command, Bolling Air Force Base, D.C., Strength and Structure of GA_{1-x} in x as Alloys, Department of Ceramic Engineering (K. T. Faber) and Department of Metallurgical Engineering (J. P. Hirth), 1 September 1987 through 31 August 1988. (Project 764977 - Continuation)

\$45,502.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, The Ohio State University Advanced Glaucoma Intervention Study, Department of Ophthalmology (P. A. Weber), 1 September 1987 through 31 August 1988. (Project 766355 - New)

\$42,900.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Hypertension and Congestive Heart Failure: Genetic Model, Food Science and Nutrition-OARDC and Department of Food Science and Nutrition (S. A. McCune), 1 September 1987 through 30 November 1987. (Project 766383 - New)

\$34,107.00 - Department of Education, Office of Educational Research and Improvements, Washington, D.C., Using Research Knowledge to Improve Teacher Education Implementation of an Induction Program for Inquiring Professionals, Department of Educational Policy and Leadership (N. L. Zimpher), 1 October 1987 through 30 September 1988. (Project 765034 - Continuation)

\$34,000.00 - National Aeronautics and Space Administration, Lewis Research Center, Cleveland, Ohio, An Experimental Study of Shock-Boundary Layer Interaction in Hypersonic Flow, Department of Aeronautical and Astronautical Engineering (J. D. Lee and M. B. Bragg), 1 September 1987 through 30 November 1987. (Project 765240 - Continuation)

\$30,996.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Pathogenesis of Humoral Hypercalcemia of Malignancy, Department of Veterinary Pathobiology (T. J. Rosol), 1 October 1987 through 30 September 1988. (Project 765055 - Continuation)

\$28,000.00 - National Security Council, Central Intelligence Agency, Washington, D.C., LDC Energy Data Base Collection, Agricultural Economics and Rural Sociology-OARDC and Department of Agricultural Economics and Rural Sociology (J. Havlicek, Jr.) and Department of Agricultural Economics and Rural Sociology (W. S. Chern), 1 August 1987 through 30 September 1988. (Project 766381 - New)

November 5 and 6, 1987 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

\$27,345.00 - National Science Foundation, Washington, D.C., DNA Mismatch Repair and DNA Methylation in Plants, Biotechnology Program and Department of Genetics (D. M. Bisaro) and Biotechnology Program (P. E. Kolattukudy), 1 September 1987 through 31 December 1987. (Project 766388 - New)

\$24,996.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Regulation of Metamorphic Myogenesis and Myolysis, Department of Oral Biology (B. M. Rosenthal), 5 September 1987 through 1 September 1988. (Project 766368 - New)

\$20,000.00 - Department of Agriculture, Science and Education, Washington, D.C., Effects of Acid Precipitation on Soil-Inhabiting Invertebrates in Corn Systems, Department of Entomology-OARDC (B. R. Stinner), 1 September 1987 through 31 August 1989. (Project 766361 - New)

\$20,000.00 - National Aeronautics and Space Administration, Langley Research Center, Hampton, Virginia, Wind Tunnel Tests of Transonic Natural Laminar Flow Airfoils, Department of Aeronautical and Astronautical Engineering (G. M. Gregorek and M. B. Bragg), 1 October 1987 through 31 March 1988. (Project 765327 - New)

\$16,648.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, MARC Predoctoral Fellowship, Department of Microbiology and Immunology (C. C. Whitacre), 1 September 1987 through 31 August 1988. (Project 766363 - New)

\$16,000.00 - National Science Foundation, Washington, D.C., Acquisition of a Liquid Scintillation Counting System, Department of Botany (V. Raghavan, M. L. Evans, M. G. Cline and R. P. Hangarter), 15 September 1987 through 31 August 1988. (Project 766342 - New)

\$14,300.00 - Department of Agriculture, Forest Service, Broomall, Pennsylvania, Elucidation of Chemical Structure of Antibiotics Produced by Bacillus subtilis, Department of Chemistry (H. C. Floss and J. Beale), 1 October 1987 through 30 June 1988. (Project 766382 - New)

\$12,000.00 - Department of Agriculture, Science and Education, Beltsville, Maryland, Genetic and Physiological Basis for Resistance of Elms to the Elm Leaf Beetle, Department of Entomology (R. W. Hall), 1 August 1987 through 31 July 1989. (Project 766343 - New)

\$10,000.00 - Tennessee Valley Authority, Muscle Shoals, Alabama, The Chemistry and Bioavailability of Phosphorus in Excessively Fertilized Soils, Department of Agronomy-OARDC and Department of Agronomy (T. J. Logan), 1 September 1987 through 31 August 1990. (Project 766358 - New)

\$7,586.00 - Department of Agriculture, Forest Service, Broomall, Pennsylvania, Juvenile Hormones and Hormone Regulators in the Development

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

of the Gypsy Moth, Department of Entomology (D. L. Denlinger), 1 September 1988 through 31 December 1988. (Project 765658 - Continuation)

\$5,537.00 - National Occupational Information Coordinating Committee, Washington, D.C., Updating Courses of Career, Occupational, and Labor Market Information Directory, The National Center for Research in Vocational Education (R. D. Ryan, Jr.), 1 August 1987 through 31 December 1987. (Project 766371 - New)

\$4,501.00 - National Science Foundation, Washington, D.C., Paleobotany in Antarctica: Paleozoic and Mesozoic, Byrd Polar Research Center (E. L. Taylor) and Byrd Polar Research Center and Department of Botany (T. N. Taylor), 1 November 1987 through 30 April 1988. (Project 765819 - Continuation)

\$4,290.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Regulation of Gene Expression in Neurospora, Department of Biochemistry (G. A. Marzluft), 1 January 1987 through 31 December 1987. (Project 760578 - Continuation)

\$2,553.00 - Department of Transportation, National Highway Traffic Safety Administration, East Liberty, Ohio, Load Distribution Measurement, Department of Mechanical Engineering (H. R. Busby), 1 October 1987 through 31 December 1987. (Project 763873 - Continuation)

\$2,145.00 - Department of Transportation, National Highway Traffic Safety Administration, East Liberty, Ohio, Rear Seat Submarining Investigation Test Matrix Design, Department of Statistics (P. K. Goel), 1 September 1987 through 30 September 1987. (Project 766023 - Continuation)

Personnel Services - Department of Commerce, National Oceanic and Atmospheric Administration, Rockville, Maryland, Geodetic Advisor for the State of Ohio, Center for Mapping (J. D. Bossler), 1 July 1987 through 30 June 1988. (Project 766340 - New) (Approximate Dollar Value - \$37,500)

TOTAL - FEDERAL AWARDS

\$ 5,634,692.00

State of Ohio Research Contracts/Grants

\$327,243.00 - State of Ohio, Bureau of Employment Services, Columbus, Ohio, Follow-up Survey of Title IIA and Title III JTP Ohio Clients and Employers, The National Center for Research in Vocational Education (R. D. Ryan, Jr.), 1 July 1987 through 31 October 1988. (Project 765772 - Continuation)

\$135,000.00 - State of Ohio, Department of Development, Columbus, Ohio, Regional Labor-Management Cooperation Center, Academic Faculty of Management and Human Resources (D. B. Patton, H. R. Bobbitt and W. D. Todor), 1 July 1987 through 30 June 1988. (Project 766277 - Continuation)

November 5 and 6, 1987 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)

\$122,923.00 - State of Ohio, Department of Education, Columbus, Ohio, Ohio Entrepreneurs Research Project, The National Center for Research in Vocational Education (R. D. Ryan, Jr.), 1 July 1987 through 30 June 1988. (Project 766375 - New)

\$19,800.00 - State of Ohio, Department of Development, Columbus, Ohio, Society Against Felony Encounters, University Police (L. Johnson), 1 July 1987 through 30 June 1988. (Project 765937 - Continuation)

\$17,875.00 - State of Ohio, Department of Transportation, Columbus, Ohio, Geodetic Advisor for the State of Ohio, Center for Mapping (J. D. Bossler), 1 July 1987 through 30 June 1988. (Project 766352 - New)

\$9,552.00 - State of Ohio, Legislative Service Commission, Columbus, Ohio, Communication Disorders Study, Department of Communication (L. G. Wall), 21 July 1987 through 22 July 1988. (Project 766351 - New)

\$7,490.00 - State of Ohio, Ohio Arts Council, Columbus, Ohio, Support for the 1987-88 Mershon Auditorium Performance Season, Mershon Auditorium (T. M. Vanleer), 1 October 1987 through 1 May 1988. (Project 766367 - New)

Total - STATE OF OHIO AWARDS \$ 639,883.00

Industrial Research Contracts/Grants

\$379,334.00 - American Electric Power Service Corporation, Lancaster, Ohio, Reclamation of Calcareous Coal Spoils with Trees, Shrubs and Forages, Department of Natural Resources-OARDC (J. H. Brown, D. B. Houston, M. M. Larson and J. P. Vimmerstedt), 1 September 1987 through 31 October 1992. (Project 766333 - New)

\$99,583.00 - Sandia Corporation, Albuquerque, New Mexico, Unsteady Pressure Measurements on Wind Turbine Models, Department of Aeronautical and Astronautical Engineering (G. M. Gregorek), 28 August 1987 through 27 August 1988. (Project 766354 - Continuation)

\$76,961.00 - Alcoa Defense Systems, Inc., San Diego, California, Advanced Antennas for Future Air Vehicles, Department of Electrical Engineering, ElectroScience Laboratory (B. A. Munk), 1 July 1987 through 30 September 1987. (Project 766329 - New)

\$54,796.00 - Boeing Company, Seattle, Washington, Statement of Work for the Yee-Surface, Department of Electrical Engineering, ElectroScience Laboratory (B. A. Munk), 1 July 1987 through 30 June 1988. (Project 766332 - New)

\$37,119.00 - Garrett Turbine Engine Company, Phoenix, Arizona, The Solubilities of Oxides in Fused Salt Melts, Department of Metallurgical Engineering (R. A. Rapp and G. R. St. Pierre), 1 March 1987 through 28 February 1988. (Project 766038 - New)

November 5 and 6, 1987 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Industrial Research Contracts/Grants (contd)

\$32,175.00 - G. D. Searle and Company, Skokie, Illinois, Phase II Study of Carbetimer in Advanced Renal Cell Carcinoma, Department of Internal Medicine (S. P. Balcerzak), 1 August 1987 through 31 July 1988. (Project 766359 - New)

\$30,741.00 - Defense Systems, Inc., McLean, Virginia, Content Analysis Applications to Foreign Intelligence Topics, Mershon Center for Education (M. G. Hermann), 1 September 1987 through 31 May 1988. (Project 766374 - Continuation)

\$8,530.00 - DeVry Institute of Technology, Columbus, Ohio, Student Personnel in Higher Education, Department of Educational Policy and Leadership (R. F. Rodgers), 21 September 1987 through 31 May 1988. (Project 766347 - Continuation)

\$7,650.00 - Texas Eastern Gas Pipeline Company, Houston, Texas, Species Composition and Distribution of Unionid Mollusks in the Muskingum River in the Vicinity of Stone, Muskingum County, Ohio, Department of Zoology (D. H. Stansbery), 15 September 1987 through 15 November 1987. (Project 766376 - New)

\$3,851.00 - CIBA-GEIGY Corporation, Greensboro, North Carolina, Evaluation of Candidate Materials for the Control of Ectoparasitic Insects, Department of Entomology (W. F. Hink), 1 June 1987 through 1 November 1987. (Project 766087 - Continuation)

Total - INDUSTRIAL AWARDS \$ 730,740.00

Other Non-Federal Research Contracts/Grants

\$1,805,500.00 - National Association of Regulatory Utility Commissioners, Washington, D.C., The Research and Assistance Plan and Budget for the National Regulatory Research Institute: The Business Plan for FY 1988, National Regulatory Research Institute (D. N. Jones), 1 September 1987 through 31 August 1988. (Project 763289 - Continuation)

\$347,842.50 - American Institute of Indian Studies, Minneapolis, Minnesota, American Institute of Indian Studies Center for Art and Archaeology, Department of History of Art (S. L. Huntington), 1 July 1987 through 30 June 1988. (Project 766037 - Continuation)

\$90,278.00 - Indonesia Government, Jakarta, Indonesia, Indonesian Visiting Scholar Program, College of Education - Administration (J. J. Buffer), 15 September 1987 through 15 April 1988. (Project 765362 - Continuation)

\$60,064.00 - Indiana University, Bloomington, Indiana, Psychology Instruction in Malaysia, Marion Campus and Department of Psychology (D. J. Christie), 1 August 1987 through 31 July 1988. (Project 764972 - Continuation)

November 5 and 6, 1987 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)

\$60,000.00 - American Cancer Society, Ohio Division, Inc., Dublin, Ohio, Application for a Grant to Help Create an American Cancer Society Professorship of Clinical Oncology, Department of Surgery (J. P. Minton), 1 July 1987 through 30 June 1989. (Project 761833 - Continuation)

\$50,000.00 - Gas Research Institute, Chicago, Illinois, Center for Commercialization of Space Membership Agreement, Center for Mapping (J. D. Bossler), 1 May 1987 through 30 April 1989. (Project 766219 - Continuation)

\$46,241.00 - Smokeless Tobacco Research Council, Inc., New York, New York, Effects of Smokeless Tobacco on the Development of the CD-1 Mouse Fetus, Department of Oral Biology (R. B. Paulson), 1 January 1988 through 31 December 1988. (Project 765092 - Continuation)

\$45,980.08 - Medical College of Ohio, Toledo, Ohio, Agronomic Effectiveness of Kiln-Dust Stabilized Municipal Sewage Sludge, Department of Agronomy-OARDC and Department of Agronomy (T. J. Logan), 15 March 1987 through 14 March 1989. (Project 766198 - New)

\$25,000.00 - Columbus Zoo, Powell, Ohio, Cooperative Grants Program - The Columbus Zoo and The Ohio State University, Department of Psychology (G. G. Berntson), Department of Veterinary Pathobiology (J. R. Blakeslee and M. J. Tarr), Department of Zoology (J. D. Harder), Department of Food Science and Nutrition-OARDC and Department of Food Science and Nutrition (E. R. Richter), and Department of Veterinary Clinical Science (W. R. Threlfall), 1 September 1987 through 31 August 1988. (Project 766337 - Continuation)

\$19,470.00 - Morris Animal Foundation, Englewood, Colorado, Use of Rocaltrol (Calcitriol) and Aluminum Free Phosphate Binders in Prevention and Control of Renal Secondary Hyperparathyroidism, Department of Veterinary Pathobiology (L. A. Nagode), 1 September 1987 through 31 August 1988. (Project 766338 - New)

\$14,000.00 - Eight Members of the National Alliance of Community and Technical Colleges, National Alliance of Community and Technical Colleges, The National Center for Research in Vocational Education (R. D. Ryan, Jr.), 1 July 1987 through 30 June 1988. (Project 766171 - Continuation)

\$13,349.00 - Ohio Dominican College, Columbus, Ohio, Student Personnel in Higher Education, Department of Educational Policy and Leadership (R. F. Rodgers), 15 August 1987 through 15 May 1988. (Project 766334 - Continuation)

\$10,720.00 - Muskingum County Board of Mental Retardation and Developmental Disabilities, Zanesville, Ohio, Graduate Research Associate Internship Training, Nisonger Center (S. R. Schroeder), 1 September 1987 through 31 August 1988. (Project 766360 - New)

November 5 and 6, 1987 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)

\$6,450.00 - University of Pittsburgh, Pittsburgh, Pennsylvania, NSABP Colo-Rectal Protocols, Department of Surgery (W. B. Farrar), 1 April 1987 through 31 January 1988. (Project 763581 - Continuation)

\$5,000.00 - American Society of Hospital Pharmacists, Bethesda, Maryland, Impact of Medication Counseling by Pharmacists in the Veterans Administration Setting, College of Pharmacy (R. Segal), 1 October 1987 through 30 September 1988. (Project 766339 - New)

\$5,000.00 - American Society of Hospital Pharmacists Research and Education Foundation, Inc., Bethesda, Maryland, Quality Assurance for a Clinical Pharmacy Patient Education Program on Pain Management, University Hospital (J. Siegel), 1 October 1987 through 30 September 1988. (Project 766391 - New)

\$4,450.00 - Cancer Therapy and Research Foundation of South Texas, San Antonio, Texas, Central Office for the Developmental Biologicals Committee Activities of the Community Clinical Oncology Programs, Department of Internal Medicine (J. J. Rinehart), 1 June 1987 through 31 May 1988. (Project 765841 - Continuation)

\$3,785.00 - North Atlantic Treaty Organization, Brussels, Belgium, Pipeline Transport of Viscous Crudes as Oil-In-Water Emulsions, Department of Chemical Engineering (J. L. Zakin), 31 August 1987 through 31 August 1989. (Project 764334 - Continuation)

\$3,760.00 - Arthritis Foundation - Central Ohio Chapter, Columbus, Ohio, Immunoregulation and Autoimmunity, Department of Internal Medicine (R. L. Whisler), 1 April 1987 through 31 March 1988. (Project 760620 - Continuation)

\$2,575.68 - Healthcare Financial Management Association, Oak Brook, Illinois, The Development of a Financial Service for the Hospital Industry, Hospital and Health Services Administration (W. O. Cleverley), 1 July 1986 through 30 June 1987. (Project 761794 - Continuation)

TOTAL - OTHER NON-FEDERAL AWARDS \$ 2,619,465.26

ENGINEERING EXPERIMENT STATION

Industrial and Other Sponsored Research and Development

\$124,607.00 - General Electric, Cincinnati, OH, "Plasma Arc Tunnel System," Department of Aeronautical and Astronautical Engineering, 9 September 1987 through 18 December 1987. (312432)

\$99,798.00 - Edicon, Rochester, NY, "Research and Development of Images System for Recognition of Fingerprints," Department of Welding Engineering, 1 October 1987 through 30 September 1988. (529740)

\$46,588.00 - from 40 sponsors of 57 development projects under the direction of two research areas of the College of Engineering.

November 5 and 6, 1987 meeting, Board of Trustees

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

ENGINEERING EXPERIMENT STATION (contd)

Industrial and Other Sponsored Research and Development (contd)

\$40,000.00 - second year funding of memberships to the Compact Range Consortium, Department of Electrical Engineering, 1 July 1987 through 30 June 1988. (312884)

\$20,000.00 - Amoco Foundation, "Amoco Foundation Equipment Grant," Department of Chemical Engineering, 1 September 1987 through 30 June 1988. (529739)

\$6,500.00 - Additional funding from General Electric, Cincinnati, Ohio, "GE 36 Product Fan Blade Ice Accumulation Predictions," Department of Aeronautical and Astronautical Engineering, 15 May 1987 through 31 December 1987. (312415, Ext. 1)

TOTAL - INDUSTRIAL AND OTHER SPONSORED RESEARCH \$ 337,493.00

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND

Establishment of Named Funds

The Steve & Sarah O'Donnell Fund for University Systems

The Steve & Sarah O'Donnell Fund for University Systems was established November 6, 1987, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from Steve O'Donnell (B.E.E. '62, M.S. Electrical Engineering '63) and Sarah E. O'Donnell of Westerville, 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 shall be used to provide awards to University Systems employees who have shown excellence in some phase of our data processing activities; to acquire computing facilities for innovative tasks or inquiries; and/or provide specialized education opportunities for emerging or state-of-the-art computing techniques. Expenditures from the fund will be authorized by the Assistant Vice President, University Systems.

It is the desire of the donor that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated 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 administrative data processing.

November 5 and 6, 1987 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 M.D./Ph.D Endowment in the College of Medicine

The M.D./Ph.D. Endowment in the College of Medicine was established November 6, 1987, by the Board of Trustees of The Ohio State University, with gifts to The Ohio State University Development Fund from the estate of Marguerite Kakalecik, Mt. Vernon, Ohio, in memory of her uncles, Albert and William Wilmotte.

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 shall be used to provide research scholarships for students enrolled in the College of Medicine at The Ohio State University. Scholarship recipients will be chosen by the University Committee on Student Financial Aid in consultation with the Dean of the College of Medicine.

It is the desire of the donor that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees, in consultation with the appropriate administrative official of the College of Medicine, in order to carry out the desire of the donor.

The Elmer S. Bowers Scholarship Fund

The Elmer S. Bowers Scholarship Fund was established November 6, 1987, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from the estate of Elmer S. Bowers (B.A. '25, M.A. Psychology '25).

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 shall be used to provide scholarship assistance to incoming freshmen or enrolled students who rank academically in the top twenty percent of their class. Selection of the award recipients shall be made by the University Committee on Student Financial Aid.

It is the desire of the donor that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees, in consultation with the appropriate administrative official responsible for student financial aid.

November 5 and 6, 1987 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

Establishment of Named Funds (contd)

Helen C. Clabaugh Scholarship Fund

The Helen C. Clabaugh Scholarship Fund was established November 6, 1987, by the Board of Trustees of The Ohio State University with gifts from Helen C. Clabaugh (B.S.H.E. '24).

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 establish one or more scholarships for students in the College of Home Economics for the study of medical and therapeutic dietetics. The recipients shall be selected on the basis of academic achievement. Selection shall be made each year by an appointee of the Dean of the College of Home Economics in consultation with the University Committee on Student Financial Aid and the Department of Human Nutrition and Food Management.

It is the desire of the donor that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees, in consultation with the appropriate administrative officials of the University who are then directly responsible for instruction in Human Nutrition, in order to carry out the desire of the donor.

**The Simon H. Leister Engineering Scholarship
and Grant-in-Aid Fund**

The Simon H. Leister Engineering Scholarship and Grant-in-Aid Fund was established November 6, 1987, by the Board of Trustees of The Ohio State University with a bequest to The Ohio State University from Mildred M. McGormley of Toledo, 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 shall be used to provide scholarships and/or grants-in-aid to deserving engineering students. The Dean of the College of Engineering will have sole authority to authorize expenditures from the income. Moreover, said Dean will be authorized to invade the fund's principal whenever necessary to assure maximum benefit for deserving engineering students.

It is the desire of the donor that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated 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 engineering education.

November 5 and 6, 1987 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

Establishment of Named Funds (contd)

Luther M. Keith Lectureship in Surgery

The Luther M. Keith Lectureship in Surgery was established November 6, 1987, by the Board of Trustees of The Ohio State University with gifts from family, friends and colleagues of Dr. Luther M. Keith.

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 shall be used to underwrite the cost of an annual lecturer in the College of Medicine on a subject related to surgery. The selection of the lecturer is to be made upon the recommendation of the Chairperson of the Department of Surgery, in cooperation with the Dean of the College of Medicine.

It is the desire of the donors that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees, in consultation with the appropriate administrative official of the College of Medicine, in order to carry out the desire of the donors.

Edna and R. George Jaap Scholarship Fund

The Edna and R. George Jaap Scholarship Fund was established November 6, 1987, by the Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from R. George and Edna Jaap, Columbus, Ohio, and friends of the 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 annual income shall be used to fund one or more scholarships for students in the College of Agriculture with preference being given to those students enrolled in the Department of Poultry Science. Criteria for the scholarships shall include academic achievement, leadership in extracurricular activities and financial need. Scholarship recipients shall be selected by a committee consisting of the Assistant Dean for Student Affairs in the College of Agriculture and appropriate faculty representation from Poultry Science, in consultation with the University Committee on Student Financial Aid.

It is the desire of the donors that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees, in consultation with the appropriate administrative official of the College of Agriculture, in order to carry out the desire of the donors.

November 5 and 6, 1987 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

Lois E. Dickey and Esther A. Meacham Endowment

The Lois E. Dickey Endowment was established July 12, 1985, by the Board of Trustees of The Ohio State University Development Fund with gifts from the friends, colleagues, students and family of Lois E. Dickey and was merged November 6, 1987, with gifts from friends, colleagues, students and family of Esther A. Meacham.

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 fund one or more awards in support of graduate student research in the Department of Textiles and Clothing in the College of Home Economics. Selection of the recipient of the award will be made by the graduate faculty of the Department of Textiles and Clothing with preference given to applicants who are international students. The award will be made by the Dean of the College of Home Economics based upon the recommendation of the Graduate Faculty of the Department of Textiles and Clothing.

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 Chair of the Department of Textiles and Clothing and the Dean of the College of Home Economics.

Change in Description of Named Funds

Roy E. Roeder Memorial Scholarship Fund

The Roy E. Roeder Memorial Scholarship Fund was established July 6, 1984, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from Mr. Eugene M. White (B.S.Bus.Adm. '54) and Mrs. Marjorie L. (Roeder) White (B.S.Ed. '58) daughter of Mr. Roeder. The description was changed November 6, 1987.

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 shall be used to provide one or more scholarships for students enrolled at The Ohio State University Lima Campus who are graduates of Bath High School located in Allen County in Ohio. If there are no qualified applicants during a given year, the income for that period will be added to the principal. The selection of the recipient shall be made by the dean and director or his designee at The Ohio State University Lima Campus, in consultation with the University Committee on Student Financial Aid.

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

Change in Description of Named Funds (contd)

Roy E. Roeder Memorial Scholarship Fund (contd)

Should the need for this fund cease to exist or so diminish as to provide unused income, 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 appropriate administrative official of the University who is then directly responsible for student financial aid at The Ohio State University Lima Campus.

Zelma L. Roeder Memorial Scholarship Fund

The Zelma L. Roeder Memorial Scholarship Fund was established July 6, 1984, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from Mr. Eugene M. White (B.S.Bus.Adm. '54) and Mrs. Marjorie L. (Roeder) White (B.S.Ed. '58) daughter of Mrs. Roeder. The description was changed November 6, 1987.

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 shall be used to provide one or more scholarships for students enrolled at The Ohio State University Lima Campus who continue active participation, including performance, in music activities at The Ohio State University Lima Campus. If in the future The Ohio State University Lima Campus obtains a music major or music minor program, the recipient shall be so enrolled in that program with first preference given to students of keyboard instruments. If there are no qualified applicants during a given year, the income for that period will be added to the principal. The selection of the recipient shall be made by the dean and director or his designee at The Ohio State University Lima Campus, in consultation with 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 fund 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 music education at The Ohio State University Lima Campus.

THE OHIO STATE UNIVERSITY FOUNDATION

Approval of Description and Establishment of Funds

Shih-Yuan Michael Chen, Ph.D., Scholarship Fund

The Shih-Yuan Michael Chen, Ph.D., Scholarship Fund was established November 6, 1987, by the Board of Trustees of The Ohio State University through funds received by the University from The Ohio State University

November 5 and 6, 1987 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY FOUNDATION (contd)

Approval of Description and Establishment of Funds (contd)

Shih-Yuan Michael Chen, Ph.D., Scholarship Fund (contd)

Foundation, which has established an endowed fund with gifts designated for The Ohio State University College of Engineering.

Income provided by the Foundation shall be used to provide one or more scholarships to students enrolled in the College of Engineering who are from Nanjing Institute of Technology, China. If there are no applicants from Nanjing Institute of Technology, then the scholarship(s) shall be awarded to engineering students from mainland China or, if none apply, to Chinese-American students enrolled in the College of Engineering. Scholarship recipients will be chosen by the Dean of the College of Engineering in consultation with the University Committee on Student Financial Aid.

The Community Mutual Blue Cross/Blue Shield Fund

The Community Mutual Blue Cross/Blue Shield Fund was established November 6, 1987, by the Board of Trustees of The Ohio State University through funds received by the University from The Ohio State University Foundation, which has established an endowed fund with gifts designated for The Ohio State University College of Business from Community Mutual Blue Cross/Blue Shield in honor of Michael J. Ketchum.

Income provided by the Foundation shall be used to further the academic program of insurance and risk analysis in the College of Business by providing support for distinguished lectures, seminars, programs and related academic research on important public policy issues of concern to the insurance industry. Use of the funds will be determined by the academic faculty of insurance and risk with the concurrence of the chairperson of the faculty of Finance.

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**EMPLOYMENT OF ARCHITECT
FOOD SERVICE FACILITIES FOR FIVE DINING COMMONS
(NORTH, RANEY, BAKER, KENNEDY, AND MORRILL COMMONS)**

Resolution No. 88-48

Synopsis: Authorization to employ an architectural firm and food service consultant is proposed.

WHEREAS Residence and Dining Halls is proposing to update and remodel the food service facilities to care for these needs beyond the year 2000; and

WHEREAS it is desirable to have a master plan, budget, and a detailed program of requirements for construction for this project; and

November 5 and 6, 1987 meeting, Board of Trustees

**EMPLOYMENT OF ARCHITECT
FOOD SERVICE FACILITIES FOR FIVE DINING COMMONS
(NORTH, RANEY, BAKER, KENNEDY, AND MORRILL COMMONS) (contd)**

WHEREAS funds will be made available from Residence and Dining Halls for these services:

NOW THEREFORE

BE IT RESOLVED, That the President and/or Vice President for Business and Administration be authorized to select a qualified architectural consulting firm to perform master planning, budgeting and programming services for this project in conjunction with the Department of Administrative Services and that the fees for this service be negotiated between the firm selected and the Department of Administrative Services, Division of Public Works.

Upon motion of Ms. Casto, 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
LAW BUILDING - ADDITION/RENOVATION**

Resolution No. 88-49

Synopsis: Authorization to employ an architectural/engineering firm and request construction bids is proposed.

WHEREAS the student body and faculty of the College of Law have greatly increased in the thirty years that the present building has been occupied; and

WHEREAS renovation, remodeling, and expansion of the present building will provide approximately 60,000 square feet of library facilities, including space for book shelving and study stations, offices, instructional space designed to use new techniques in teaching specific skills, student activities space, and placement office space; and

WHEREAS funds in the amount of \$14,500,000.00 have been allocated to this project, of which \$7,000,000.00 will be provided from University funds and \$7,500,000.00 will be provided from 1989-90 biennial capital appropriation funds for improvements for higher education:

NOW THEREFORE

BE IT RESOLVED, That the President and/or the Vice President for Business and Administration be authorized to select a qualified architectural/engineering firm for this project in conjunction with the Department of Administrative Services, and that the fees for this service be negotiated between the firm selected and the Department of Administrative Services, Division of Public Works; and

BE IT FURTHER RESOLVED, That the President and/or the Vice President for Business and Administration be authorized to request construction bids on

November 5 and 6, 1987 meeting, Board of Trustees

**EMPLOYMENT OF ARCHITECT/ENGINEER AND
REQUEST FOR CONSTRUCTION BIDS
LAW BUILDING - ADDITION/RENOVATION (contd)**

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. Teaford, seconded by Ms. Casto, 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
DODD HALL INTERFACE**

Resolution No. 88-50

Synopsis: Authorization to employ an architectural/engineering firm and request construction bids is proposed.

WHEREAS with the completion of the William H. Davis Medical Center (Ohio Arthritis/Geriatric Centers) it became necessary to upgrade the first and second floors of Dodd Hall to bring them into aesthetic concert with the new Center; and

WHEREAS this project provides for the improvements to the first and second floors of Dodd Hall which will integrate the activities of Dodd Hall and the Davis Medical Center; and

WHEREAS \$1,496,845.00 will be made available for this project from University Hospitals funds, of which \$1,282,424.00 is estimated for construction:

NOW THEREFORE

BE IT RESOLVED, That the President and/or the Vice President for Business and Administration be authorized, in accordance with established University procedures, to select a qualified architectural/engineering firm for this project, to request construction bids on this project, and if satisfactory bids are received, to award the necessary contracts, with all actions to be reported to this Board at the appropriate time.

Upon motion of Mrs. Bowser, seconded by Ms. Casto, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**REQUEST FOR CONSTRUCTION BIDS AND
ESTIMATE OF COST - FUNDING**

Resolution No. 88-51

Synopsis: Authorization to request construction bids is proposed.

November 5 and 6, 1987 meeting, Board of Trustees

**REQUEST FOR CONSTRUCTION BIDS AND
ESTIMATE OF COST - FUNDING (contd)**

WHEREAS the plans and specifications for these projects have been completed and, at the request of the Vice President for Business and Administration, the President recommended that the Board of Trustees authorize the request for construction bids:

DODD HALL - HVAC SYSTEM MODIFICATIONS

Project: Modify and upgrade the HVAC system to provide a new four pipe fan coil system for patient comfort and health through improved air quality, dust control and ventilation.

Funding: University Hospitals Funds

Estimated Construction Cost: \$663,600.00

Estimated Project Cost: \$767,780.00

**RHODES HALL 5TH FLOOR
PASTORAL CARE REMODELING**

Project: Relocate an air handler in the fifth floor mechanical room to allow for construction of Pastoral Care offices adjacent to the Atrium Chapel, and the construction of rest room facilities contiguous with elevator equipment penthouse in the Atrium.

Funding: University Hospitals Funds

Estimated Construction Cost: \$330,000.00

Estimated Project Cost: \$387,760.00

POSTLE HALL - ELEVATOR INSTALLATION

Project: The first two floors of the shared elevator shaft between the west end of Postle Hall and the new connector to Cancer Research Institute were included in the Cancer Research project. This installation will complete the construction serving all floors of Postle Hall.

Funding: University Hospitals Funds

Estimated Construction Cost: \$313,888.00

Estimated Project Cost: \$353,000.00

November 5 and 6, 1987 meeting, Board of Trustees

**REQUEST FOR CONSTRUCTION BIDS AND
ESTIMATE OF COST - FUNDING (contd)**

ST. JOHN ARENA REPAIRS

Project: Repairs to various areas to enhance
occupancy.

Funding: University Funds

Estimated Construction Cost: \$250,000.00

Estimated Project Cost: \$300,000.00

MCCRACKEN POWER PLANT - FACILITIES IMPROVEMENTS

Project: Relocate and renovate the water testing
laboratory, and provide modern locker/
shower/rest room facilities.

Funding: University Funds

Estimated Construction Cost: \$195,000.00

Estimated Project Cost: \$261,600.00

DOAN HALL 8TH FLOOR - DETENTION UNIT REMODELING

Project: Provide additional space for treatment of
patients currently serving time in State
penal institutions.

Funding: University Hospitals Funds

Estimated Construction Cost: \$171,600.00

Estimated Project Cost: \$198,040.00

**DOAN HALL 2 NORTH - GASTROENTEROLOGY
LABORATORY REMODELING**

Project: Renovate a former x-ray room and a
computer room into a procedure/treatment
room and laboratory. Project also
includes the removal of a radiographic
machine and the installation of a
relocated radiographic machine and
ancilliary equipment.

Funding: University Hospitals Funds

Estimated Construction Cost: \$143,000.00

Estimated Project Cost: \$171,660.00

NOW THEREFORE

November 5 and 6, 1987 meeting, Board of Trustees

**REQUEST FOR CONSTRUCTION BIDS AND
ESTIMATE OF COST - FUNDING (contd)**

BE IT RESOLVED, That the President and/or Vice President for Business and Administration be authorized, in accordance with established University procedures, to request construction bids on these projects, and if satisfactory bids are received, to award the necessary contracts, with all actions to be reported to this Board at the appropriate time.

Upon motion of Mr. Kessler, seconded by Mr. Wolf, 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. 88-52

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 Kottman Hall - Biotechnology Laboratory Remodeling project; and

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 the award of contracts for the Starling-Loving Hall - Autopsy Rooms project, as follows:

KOTTMAN HALL - BIOTECHNOLOGY LABORATORY REMODELING

Description: This project provides for the remodeling of a portion of the third floor so as to be able to conduct comprehensive state-of-the-art research in biotechnological areas. Construction is scheduled to begin December 1987 and be completed June 1988.

General Contract

Date Received:	September 24, 1987
No. of Bids:	7
Low Bid:	\$265,150.00*
High Bid:	\$330,423.00*

*Recommended alternates reflected in these figures.

November 5 and 6, 1987 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)**

KOTTMAN HALL - BIOTECHNOLOGY LABORATORY REMODELING (contd)

General Contract (contd)

Estimate of Cost: \$351,021.00*
Awarded to: M & P Construction Inc., Blacklick, OH

Plumbing Contract

Date Received: September 24, 1987
No. of Bids: 3
Low Bid: \$102,300.00*+
High Bid: \$133,200.00*
Estimate of Cost: \$ 97,832.00*
Awarded to: Radico Inc., Columbus, OH

HVAC Contract

Date Received: September 24, 1987
No. of Bids: 5
Low Bid: \$116,900.00*+
High Bid: \$197,000.00*
Estimate of Cost: \$103,711.00*
Awarded to: Radico Inc., Columbus, OH

Electric Contract

Date Received: September 24, 1987
No. of Bids: 6
Low Bid: \$ 54,400.00*
High Bid: \$ 96,630.00*
Estimate of Cost: \$ 63,525.00*
Awarded to: Functional Development, Inc., Dublin, OH

*Recommended alternates reflected in these figures.

+Plumbing and HVAC Contracts are in excess of filed estimate of cost; however, the total price of all contracts is within 10% of the total estimate of cost and is recommended for award as provided by Section 153.12 of the Revised Code.

November 5 and 6, 1987 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)**

KOTTMAN HALL - BIOTECHNOLOGY LABORATORY REMODELING (contd)

Total All Contracts: \$538,750.00*

Total Contingency Allowance: \$ 37,997.82 (which is 7% of construction costs)

Total Project Cost: \$674,750.00*

Funding: HB 870 U & R and University Funds

*Recommended alternates reflected in these figures.

STARLING-LOVING HALL - AUTOPSY ROOMS

Description: This project provides for the removal of the inadequate HVAC and exhaust system applying Autopsy Rooms M-008 and M-010 and the installation of a new system. Construction is scheduled to begin October 1987 and be completed within one hundred twenty days.

General Contract

Date Received: September 22, 1987

No. of Bids: 2

Low Bid: \$ 21,935.00

High Bid: \$ 23,000.00

Estimate of Cost: \$ 25,000.00

Awarded to: Functional Development Inc., Dublin, OH

Mechanical Contract

Date Received: September 22, 1987

No. of Bids: 5

Low Bid: \$126,300.00+

High Bid: \$129,700.00

Estimate of Cost: \$115,000.00

Awarded to: Radico Inc., Columbus, OH

+Mechanical Contract is in excess of filed estimate of cost; however, the total price of all contracts is within 10% of the total estimate of cost and is recommended for award as provided by Section 153.12 of the Revised Code.

November 5 and 6, 1987 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)**

STARLING-LOVING HALL - AUTOPSY ROOMS (contd)

Electric Contract

Date Received:	September 22, 1987
No. of Bids:	3
Low Bid:	\$ 15,229.00
High Bid:	\$ 22,725.00
Estimate of Cost:	\$ 20,000.00
Awarded to:	Functional Development, Dublin, OH
Total All Contracts:	\$163,464.00
Total Contingency Allowance:	\$ 15,382.31 (which is 9% of construction costs)
Total Project Cost:	\$198,150.00
Funding:	University Hospitals Funds

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 Mrs. Bowser, seconded by Ms. Casto, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**LEASE OF LAND TO THE
FRANKLIN COUNTY BOARD OF MENTAL RETARDATION AND
DEVELOPMENTAL DISABILITIES**

Resolution No. 88-53

Synopsis: Lease of approximately 43 acres of unimproved land at 350 Dodridge Street in Columbus, Ohio, to the Franklin County Board of Mental Retardation and Developmental Disabilities is proposed.

WHEREAS the Franklin County Board of Mental Retardation and Developmental Disabilities operates ARC Industries, a sheltered workshop for the training of the mentally retarded, and proposes to construct a new facility on a larger site for this purpose; and

WHEREAS The Ohio State University has approximately 43 acres of undeveloped land located at 350 Dodridge Street in Columbus, Ohio, which could be made available for this purpose; and

November 5 and 6, 1987 meeting, Board of Trustees

**LEASE OF LAND TO THE
FRANKLIN COUNTY BOARD OF MENTAL RETARDATION AND
DEVELOPMENTAL DISABILITIES (contd)**

WHEREAS the appropriate University offices have determined that the lease of this 43-acre tract to the Franklin County Board of Mental Retardation and Developmental Disabilities is in the best interest of the University:

NOW THEREFORE

BE IT RESOLVED, That the President and/or Vice President for Business and Administration be authorized, on behalf of the Board, to negotiate a lease of this 43-acre tract located at 350 Dodridge Street to the Franklin County Board of Mental Retardation and Developmental Disabilities for the purpose of providing a site for a new sheltered workshop facility, at a rental rate based on the market value of the property and upon such other terms and conditions as are deemed to be in the best interest of the University and to request the Department of Administrative Services, on behalf of the University, to develop and execute the necessary legal instruments for this lease.

Upon motion of Mr. Wolf, seconded by Ms. Casto, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**DEMOLITION OF BUILDING
AT THE FRANZ THEODORE STONE LABORATORY
PUT-IN-BAY, OHIO**

Resolution No. 88-54

Synopsis: Demolition of a building at the Franz Theodore Stone Laboratory at Put-In-Bay, Ohio, is proposed.

WHEREAS the Board of Trustees of The Ohio State University owns the Mary Rogick Cottage located at the Franz Theodore Stone Laboratory on lot number 49 on Peach Point of South Bass Island; and

WHEREAS the Cottage, which has been vacant since June 1986, has deteriorated beyond economic repair and demolition of the building has been recommended by the appropriate University offices; and

WHEREAS demolition can be accomplished in the most cost effective way by allowing the Put-In-Bay Fire Department to use the building as a training fire site:

NOW THEREFORE

BE IT RESOLVED, That the demolition of the Mary Rogick Cottage at the Franz Theodore Stone Laboratory by making the building available as a training fire site for the Put-In-Bay Fire Department be approved.

Upon motion of Mr. Wolf, seconded by Ms. Casto, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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November 5 and 6, 1987 meeting, Board of Trustees

**UNIVERSITY MEMBERSHIP IN
HOSPITAL HELICOPTER CONSORTIUM OF CENTRAL OHIO**

Resolution No. 88-55

Synopsis: Recommendation that The Ohio State University become a member of the Hospital Helicopter Consortium of Central Ohio and enter into an agreement for services from the Consortium is proposed.

WHEREAS Central Ohio currently is being served by a helicopter service owned and operated by Grant Medical Center; and

WHEREAS The Ohio State University has been unable to reach agreement with Grant Medical Center for helicopter transport services; and

WHEREAS the Hospital Helicopter Consortium of Central Ohio is a nonprofit corporation organized and operated under the laws of the State of Ohio and has no capital stock; and

WHEREAS the purpose of the corporation is to operate a helicopter transportation service to serve the patients of member hospitals and other healthcare facilities; and

WHEREAS the University Hospitals Board has determined that participation in this Consortium is in the best interest of the University; and

WHEREAS the University Hospitals Board approved this recommendation at its September 24, 1987 meeting:

NOW THEREFORE

BE IT RESOLVED, That The Ohio State University Board of Trustees recommends that the appropriate officials of The Ohio State University take the actions necessary to join the Hospital Helicopter Consortium of Central Ohio upon such terms and conditions as are in the best interest of the University and to enter into an agreement for services from the Consortium.

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

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**AMENDMENTS TO THE CODE OF REGULATIONS OF
OHIO STATE UNIVERSITY AFFILIATES, INC.**

Resolution No. 88-56

Synopsis: Amendments to the Code of Regulations of Ohio State University Affiliates, Inc., are proposed.

WHEREAS the Board of Directors of Ohio State University Affiliates, Inc., has proposed recommended changes to Sections 1.01, 1.02, 1.04(B), and 1.04 (D), of its Code of Regulations; and

November 5 and 6, 1987 meeting, Board of Trustees

**AMENDMENTS TO THE CODE OF REGULATIONS OF
OHIO STATE UNIVERSITY AFFILIATES, INC. (contd)**

WHEREAS the Code of Regulations of Ohio State University Affiliates, Inc., requires approval of The Ohio State University Board of Trustees to any amendments to the Code of Regulations or Articles of Incorporation; and

WHEREAS The Ohio State University Board of Trustees finds the amendments to the Code of Regulations of Ohio State University Affiliates, Inc., to be appropriate, as follows:

**ARTICLE I
Directors**

Section 1.01. Power and Authority of Directors. Except as otherwise provided by law, the Articles of Incorporation of the Corporation or these Regulations, all of the authority of the Corporation shall be exercised by the Board of Directors. The Directors serving hereunder shall have the power, authority and responsibilities of, and perform the functions provided for under the Ohio Non-profit Corporation law.

Section 1.02. Classes and Number of Voting Directors. Except with respect to the initial Board of Directors described below, the voting members of the Board of Directors shall consist of three (3) individuals elected by the Chairman of The Ohio State University (the "University") Board of Trustees, from its number.

Prior to the commencement of full operations of the Corporation, the Board of Directors shall consist of the three (3) persons named in the Articles of Incorporation. As soon as full operations are commenced and, in any event prior to November 30, 1987, the initial Board shall be replaced by the full Board of Directors.

Section 1.04 Provisions Relating to Directors.

B. Term. Each Director designated in the Articles of Incorporation shall be deemed to be elected as such as of the time of filing of the Articles of Incorporation to serve until their replacement by the permanent Board at the earlier of the commencement of full operations of November 30, 1987. Thereafter, the three (3) Directors elected by the Chairman of the University Board of Trustees from its number shall serve for terms of one year each. Directors may be reelected. At the end of each term, a vacancy will be created until a successor is elected and qualified.

D. Resignation. Any Director, by notice in writing to both the Board of Directors and to the person that elected such Director, may resign at any time.

NOW THEREFORE

BE IT RESOLVED, That the amendments to the Code of Regulations of Ohio State University Affiliates, Inc., are approved.

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

November 5 and 6, 1987 meeting, Board of Trustees

**NON-MANDATORY TRANSFER FROM CURRENT FUNDS
FISCAL YEAR 1986-87**

Resolution No. 88-57

Synopsis: Transfers to Endowment Principal Funds, Unexpended Plant Funds, Renewal and Replacement Funds - Remodeling and Renovation, Renewal and Replacement Funds - Repair and Replacement, Retirement of Indebtedness Funds and Investment in Plant Funds are being recommended for approval.

WHEREAS non-mandatory transfers from current funds for the fiscal year 1986-87 have been made; and

WHEREAS this accounting procedure is in compliance with the Auditor of State that all transfers made among fund groups be reported:

NOW THEREFORE

BE IT RESOLVED, That the transfers as detailed in the accompanying report be accepted and approved.

Upon motion of Ms. Casto, seconded by Mr. Kessler, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

November 5 and 6, 1987 meeting, Board of Trustees

Non-Mandatory Transfers from Current Funds
Fiscal Year 1986-87

Account Description	Account Number	Transferred From Account Number	Amount
To: <u>ENDOWMENT PRINCIPAL</u>			
Endowment Investment Pool	070000	011563	\$ (10,000.00)
" " "	070000	032910	(38,418.78)
Endowment Clearing Account	070002	033015	8,754.05
Martha Brian Fellowship in Journalism	070803	031121	1,000.00
Chemistry Excellence Fund	071227	011535	2,383.69
Center for Epigraphical Study	071501	037325	14,000.00
William D. Dowling Fund for Adult Education	071815	031705	2,000.00
William M. Drenten Award	071828	031121	1,000.00
The Harold and Audrey Enarson Professorship in Public Policy	071968	015032	66,511.40
Friends of WOSU	072324	033227	26,084.50
Hilandar Research Project Fund	073182	051502	90,670.56
" " " "	073182	033820	1,206.99
Humanities Fund	073338	032445	15,000.00
Martha King Scholarship Award	073691	036959	2,000.00
D.J. and J.N. Knull Fund	073756	033583	33,000.00
Dorothy and George Lewis Fund	074164	031705	20.35
" " " "	074164	036959	489.22
" " " "	074164	037113	1,490.43
Library Endowment Fund	074182	033478	500.00
" " " "	074182	011465	2,000.00
Marion Campus Dean's Fund	074486	036681	2,180.00
Math and Physical Science Excellence Fund	074526	033063	40,000.00
Ohio Eminent Scholar in Industrial Microbiology	075353	015018	500,000.00
Ohio Eminent Scholar in Materials Research	075355	015018	500,000.00
Ohio Eminent Scholar in Mechanical Systems	075356	015018	500,000.00
The Ohio State University Name and Seal Scholarship Fund	075427	015102	230,000.00
Optometry Research Fund	075510	035260	65,000.00
Pharmacy Advancement Fund	075725	050520	(22,500.00)
Helen H. Santmyer Fund	076274	011045	15,419.23
Walter W. Seifert Award	076465	031121	1,000.00
Howard Dwight Smith Scholarship	076741	031664	250.00
Franz Theodore Stone Laboratory Visiting Professorship Fund	077014	033701	4,000.00
Robert Taylor Fellowship Fund	077137	036306	52,502.00
Univ. Hospitals Endowment Fund	077418	019982	(1,000,000.00)
The Adolph E. Waller Memorial Lectures Fund	077541	032360	366.88
Florence O. Wilson Fund	077723	011073	90,000.00
" " " "	077723	010058	184,588.50

November 5 and 6, 1987 meeting, Board of Trustees

Non-Mandatory Transfers from Current Funds
Fiscal Year 1986-87

Account Description	Account Number	Transferred From Account Number	Amount
<u>To: ENDOWMENT PRINCIPAL</u>			
Various Endowment Funds	07XXXX	02XXXX	1,034,823.86
Total Transfers to Endowment Principal Funds			\$ 2,417,322.88 =====
<u>To: PLANT FUNDS</u>			
<u>Unexpended</u>			
Mershon Music Addition	082037	010058	\$ 1,077.24
Univ. Systems Cable Project	082054	010058	(23,862.99)
Wexner Visual Arts Center	082055	010064	4,087,398.87
Rardin Family Practice Center	082056	033702	412.43
" " " "	082056	050391	1,940.00
Magnetic Resonance Imaging Facility	082058	010061	2,700,000.00
Clinical Medical Services	082061	010064	237,850.16
Medical Logistical Services	082063	010064	504,459.86
Finley Farm Phase II	082064	011020	57,150.89
" " " "	082064	015108	44,818.40
Twelfth Avenue Ramp	082066	010058	4,506.00
" " " "	082066	010061	1,428,806.97
Northwest Utility Plan	082074	010064	28,597.00
OARDC Barn Replacement	082076	010058	490,000.00
Stores and Receiving Facility Construction Fund	082078	010066	(19.00)
Child Care Facility Construction Fund	082079	010065	(10.00)
Biggs Facility - Gifts	082080	010063	(458,129.40)
Visual Arts Center - Gifts	082081	051501	907,644.93
Total Unexpended Plant Funds			\$ 10,012,641.36 =====
<u>Renewal and Replacement Funds - Remodeling and Renovation</u>			
Dormitory Contingency Fund	085049	010064	\$ (8,682,860.98)
" " " "	085049	010063	(900,810.02)
" " " "	085049	010064	(284,865.34)
" " " "	085049	016024	1,150,000.00
" " " "	085049	017200	1,325,988.00
Archer / Oxley Improvements	085050	017200	50,706.83

November 5 and 6, 1987 meeting, Board of Trustees

Non-Mandatory Transfers from Current Funds
Fiscal Year 1986-87

Account Description	Account Number	Transferred From Account Number	Amount
<u>To: PLANT FUNDS</u>			
<u>Renewal and Replacement Funds - Remodeling and Renovation</u>			
Parking Lot Repairs	085071	016007	150,000.00
Johnston Lab Phase I	085090	010058	50,215.10
Housing Commission #3 Retrofit	085169	017300	2,444.46
Parking Ramp Repair	085175	016007	25,000.00
South Medical Parking Ramp	085176	016007	(50,000.00)
Stadium Scholarship Dorms	085181	010064	4,159,189.85
" " "	085181	016024	(1,000,000.00)
" " "	085181	017200	(2,000,000.00)
Mansfield Telephone System	085183	010942	10,000.00
Farm Science Review Relocation	085196	011083	100,000.00
Mearns Hall Remodeling	085198	010058	(530.00)
Entranceways	085200	010058	1,253.38
Lincoln/Morrill Renovation	085220	017300	(1,856.00)
Wiseman Hall Renovation	085235	010058	2,924.05
Stadium Scoreboard	085236	010061	1,892,216.81
Ohio Union Ramp Addition	085256	010061	2,243,536.83
Stone Lab Residence Hall	085258	010058	(37,012.00)
Boiler Superheater	085260	010058	428.00
North Medical Ramp Repair	085269	016007	(50,000.00)
UNITS	085276	010058	202,500.00
"	085276	010061	11,061,479.07
Biggs Expansion (Multisports)	085278	010064	783,177.06
" " "	085278	016019	365,111.00
Theatre Research (Lincoln 14th)	085286	010051	(74,048.00)
Sponsored Program (1314 Kinnear)	085293	010414	(128,353.00)
Campbell Hall Renovation	085295	037675	2,100.00
Back Pressure Turbine	085310	010061	107,776.60
Vet Science (Sisson Addition)	085311	010058	2,954.88
Conard Gallery - Mansfield	085314	037965	75,000.00
1985B General Receipt Bond Construction Fund	085315	010061	(21,330,864.70)
Veterinary Lab Improvement	085322	015110	100,000.00
Cunz Hall Renovation	085323	010058	162,125.00
Scott/Bevis Renovations	085330	010058	21,592.65
Environmental Lab Relocation	085331	010058	50,000.00
Caad Lab Air Conditioning	085332	010414	(4,896.00)
Arps Hall Renovation	085336	010058	108,835.00
Stadium Pressbox - Trustees	085337	016019	25,000.00
Smith Lab Renovation	085343	010058	113,255.00
Stud Affairs (Counseling) Renov	085344	010058	10,000.00

November 5 and 6, 1987 meeting, Board of Trustees

Non-Mandatory Transfers from Current Funds
Fiscal Year 1986-87

Account Description	Account Number	Transferred From Account Number	Amount
<u>To: PLANT FUNDS</u>			
<u>Renewal and Replacement Funds</u>			
<u>Remodeling and Renovation</u>			
1986 General Receipts Bond			
Construction Fund	085350	010063	(1,759,312.95)
" " " "	085350	010064	(9,909,083.12)
Aero/Astro Research Lab	085351	010414	164,838.00
Baker Systems Renovation	085352	010414	23,060.00
Arps Teaching Lab Renovation	085356	010058	61,150.00
Twelfth Avenue Widening	085358	010058	176,420.00
Hagarty Hall Renovations	085359	031475	33,325.00
Evans Lab Renovation	085360	010058	36,000.00
Newton Hall Renovation	085362	010058	54,450.00
Kottman Biotech Lab Renovation	085365	010058	296,727.00
" " " "	085365	033008	19,273.00
Tenth and Neil Intersection	085366	010058	57,040.00
High Street Improvements	085374	014110	63,499.46
Arps Ramp Addition	085375	016007	300,000.00
WOSU Transmitter	085376	033227	299,000.00
Hitchcock Hall Renovation	085377	010058	76,000.00
Lord/Hopkins Art Lab	085378	010058	10,197.00
Orton Hall Lab	085379	010058	172,796.00
Lima Parking Lot #3 West	085380	010928	(5,352.80)
Rightmire Biotech Center	085381	010058	410,000.00
Pressey Hall Remodeling	085382	010058	15,000.00
Airport Renovation (Project 4)	085383	010058	4,000.00
Theatre Renovation	085384	010058	85,905.00
Public Safety Bldg Renovation	085388	016007	49,000.00
Treasurers Office Renovation	085389	010058	200,000.00
Larkins Hall - Resurface Courts	085390	010058	141,000.00
Emergency Lighting	085391	010058	154,600.00
Howlett Lab Renovation	085392	033008	114,900.00
Horticulture Greenhouse	085393	010058	140,000.00
Horticulture Greenhouse	085383	011568	59,700.00
Cival/Aero Engineering Lab	085394	010414	48,663.33
Biochemistry Lab Renovation	085395	010058	43,321.00
International Studies Remodel	085396	010058	85,441.00
Johnston Lab Renovation	085397	010058	24,000.00
CARDC Animal Science Renovation	085399	057189	225,660.00
Honors House Renovation	085400	010058	200,000.00
Sisson Lab Renovation	085401	015108	50,600.00
Oxley Hall Renovation	085402	010058	4,400.00
Student Affairs Renovation	085407	010058	49,345.00
Galvin Hall Renovation	085410	010928	106,840.00

November 5 and 6, 1987 meeting, Board of Trustees

Non-Mandatory Transfers from Current Funds
Fiscal Year 1986-87

Account Description	Account Number	Transferred From Account Number	Amount
<u>To: PLANT FUNDS</u>			
<u>Renewal and Replacement Funds</u>			
<u>Remodeling and Renovation</u>			
Dulles Hall Renovation	085411	010058	29,945.00
Sullivant Hall Renovation	085412	010058	208,000.00
Sisson Hall Renovation	085413	010058	33,740.00
" " "	085413	036355	2,500.00
Enarson Hall Renovation	085414	010058	40,000.00
Biological Science Renovation	085416	010058	55,510.00
Derby Hall Renovation	085417	010058	12,082.00
McPherson Lab Renovation	085418	010058	188,545.00
Academic Affairs Renovation	085420	010058	38,630.00
Smith Lab Renovation	085421	010058	43,030.00
Bricker Hall Renovation	085422	010058	33,121.00
Evans Lab Renovation	085423	010058	27,625.00
Baker Systems Renovation	085427	012900	48,000.00
Student Life Renovation	085429	010058	27,550.00
Botony & Zoology Renovation	085430	010058	89,928.00
Aero/Astro Research Lab	085431	033752	4,750.00
McPherson Lab Renovation	085432	010058	54,099.00
Research Foundation Renovation	085433	010058	32,950.00
Total Remodeling and Renovation			<u>\$ (16,802,879.55)</u>
<u>Renewal and Replacement Funds -</u>			
<u>Repairs and Replacements</u>			
Business & Admin Equip Reserve	086905	010058	\$ 17,350.00
Business Mgt Equip Reserve	086907	010051	(42,000.00)
" " " "	086907	010058	(74,970.56)
Treasurer's Equipment Reserve	086908	010058	11,120.56
Physical Facility Equip Reserve	086909	010058	67,251.54
Police Equipment Reserve	086910	010051	(39,600.00)
" " "	086910	010058	21,898.50
Traffic & Parking Equip Reserve	086911	010058	1,187.52
" " " "	086911	016007	205,625.00
Food Facility Equip Reserve	086912	014006	25,000.00
Stores Equipment Reserve	086913	014006	251,400.00
Print Facility Equip Reserve	086916	014002	350,000.00
Physical Facility Imprv Reserve	086920	010058	(250,000.00)
" " " "	086920	014011	86,804.71
University Airport Reserve	086921	010058	17,196.00
Meat Laboratory Equip Reserve	086922	011072	19,000.00
Fire Prevention Equip Reserve	086923	010058	(35,569.00)
Univ Property Equip Reserve	086926	016300	17,800.00
North Apartments Equip Reserve	086928	016390	1,900.00

November 5 and 6, 1987 meeting, Board of Trustees

Non-Mandatory Transfers from Current Funds
Fiscal Year 1986-87

<u>Account Description</u>	<u>Account Number</u>	<u>Transferred From Account Number</u>	<u>Amount</u>
To: PLANT FUNDS			
Renewal and Replacement Funds - Repairs and Replacements			
Property Mgt Equip Reserve	086929	016015	15,500.00
Univ Property Improv Reserve	086930	016300	102,800.00
North Apartments Improv Reserve	086932	016390	30,800.00
Housing Comm #1 Improv Reserve	086933	016101	5,000.00
Drake Union Equipment Reserve	086935	016005	(0.05)
WOSU (Telecom) Equip Reserve	086938	011064	10,000.00
Food Facility Improv Reserve	086940	014006	9,000.00
Mail Service Equipment Reserve	086941	014027	7,000.00
Property Mgt Major Impr Reserve	086942	016015	3,300.00
Alumni Information Eq Reserve	086958	010058	(23,459.62)
Athletic Turf Improv Reserve	086962	037676	500,000.00
Transportation Reserve	086964	010058	483,000.00
" " " "	086964	014100	100,000.00
NCRVE Equipment Reserve	086967	011077	44,000.00
Lantern Equipment Reserve	086968	011081	215,000.00
Reprograhics Equipment Reserve	086969	014030	260,000.00
Public Safety Equip Reserve	086971	010058	5,536.00
Health Services Equip Reserve	086973	010051	20,000.00
Registrar Equipment Reserve	086975	010051	(65,000.00)
" " " "	086975	010058	(50,000.00)
Air Transport Svc Equip Reserve	086976	014100	50,000.00
Contracts Admin Equip Reserve	086977	010058	15,885.32
Budget Planning Equip Reserve	086980	010058	(5,370.00)
Recreation/Intramural Equip Res	086984	011454	15,000.00
" " " "	086984	011498	10,000.00
Student Affairs Equip Reserve	086985	010051	(196,173.29)
" " " "	086985	010058	222,093.20
Student Affairs Equip Reserve	086985	011473	(36,835.00)
" " " "	086985	016020	18,278.67
" " " "	086985	016031	(5,896.95)
Athletic Contingency	086988	016019	444,140.00
Univ Systems Equip Reserve	086990	014033	740,000.00
College Admin Equip Reserve	086992	010058	68,300.00
Hospital Capital Equipment	086995	010058	38,591.55
" " " "	086995	010060	(566,203.56)
" " " "	086995	010063	(1,895,413.99)
" " " "	086995	019000	4,834,529.19
" " " "	086995	033387	(17,500.00)
General Plant Funds	086999	032851	<u>8,074.18</u>
Total Repairs and Replacements			\$ 6,065,369.92
Total Transfers to Renewal and Replacement Funds			===== \$(10,737,509.63)

November 5 and 6, 1987 meeting, Board of Trustees

Non-Mandatory Transfers from Current Funds
Fiscal Year 1986-87

Account Description	Account Number	Transferred From Account Number	Amount
<u>Retirement of Indebtedness</u>			
Housing Comm #3 Debt Service	087005	017300	\$ 60,884.73
1985B Bonds Debt Service	087024	010060	<u>69,795.06</u>
Total Transfers to Retirement of Indebtedness			\$ 130,679.79 =====
<u>Investment in Plant</u>			
OSU Buildings	088100	019000	\$ 6,596,093.00
Construction In Progress	088500	019000	1,594,519.00
US Dept Education Note Payable	088977	017300	<u>(496,400.00)</u>
Total Transfers to Investment in Plant			\$ 7,694,212.00 =====
Total Transfers to Plant Funds			\$ 7,100,023.52 =====
Grand Total Non-Mandatory Transfers from Current Funds			\$ 9,517,346.40 =====

November 5 and 6, 1987 meeting, Board of Trustees

President Jennings made the following statement:

Mr. Chairman, one more item -- I would like Dick Jackson to update us on an issue that is on the air right now. It is a serious issue and some of the discussion on the air is making fun of it. I think it is a much more serious issue than the people on the radio are making of it, and I would like Dick Jackson to update us on the issue.

Mr. Jackson:

Thank you, Mr. President, Members of the Board. As you know, last night there was a report on Channel 4 about the fifth floor of the Main Library and the presence there of semen, urine, tobacco juice, and other staining in the area. We have, this morning, contracted with a custodial firm to clean those areas up. This has been an ongoing problem at the University in a number of areas. It is a problem today, as evidenced by the public discussion that is going on, and will continue to be a problem over the years to come. So we are in the process of contracting to have it cleaned up and we will go through the entire library to make sure that there are no other areas, and if there are, they will be cleaned also. We will be using proper cleaning procedures as are dictated by the appropriate authorities. We will also have a spokesman for the University, because there is some interest by the press at this point. We think we can straighten this issue up, but I would suggest to you all that it is not something that we will resolve today, because it will be an ongoing problem.

Mrs. Bowser:

I assume that area will be closed until such a time that --

Mr. Jackson:

It is not closed at this point and I don't think it is necessary in order to accomplish the work, nor is it a hazard to anyone.

Mrs. Bowser:

Okay.

President Jennings:

But I can assure this Board that Mr. Jackson and the entire University takes this issue very seriously. This is not a trivial issue and should not be taken lightly by anybody. This is something that any organization has to deal with; it is unfortunate, but it is not a light issue. That completes my agenda, Mr. Chairman.

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November 5 and 6, 1987 meeting, Board of Trustees

REPORT - UNIVERSITY'S INVESTMENT PORTFOLIO

Resolution No. 88-58

RESOLVED, That the report on the University's Investment Portfolio, dated October 16, 1987, 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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**FIRST QUARTER REPORT -
1987-88 CURRENT FUNDS BUDGET**

Resolution No. 88-59

RESOLVED, That the first quarter report on the 1987-88 Current Funds Budget, dated November 6, 1987, 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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**QUARTERLY REPORT -
WAIVERS OF COMPETITIVE BIDDING REQUIREMENTS**

Resolution No. 88-60

RESOLVED, That the quarterly report on the Waivers of Competitive Bidding Requirements, dated July through September 1987, 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 3, 1987, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, at 6:30 p.m.

Attest:

Madison H. Scott
Secretary

Edmund C. Redman
Chairman

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APPENDIX II
Degrees Conferred at
THE OHIO STATE UNIVERSITY
COMMENCEMENT CONVOCATION
December 11, 1987

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Commencement Speaker

Henry Ponder

Henry Ponder, president of Fisk University in Nashville, graduated from Ohio State in 1963 with a doctoral degree in agricultural economics. He also holds a master's degree from Oklahoma State University and a bachelor's degree from Langston University.

Before assuming the presidency at Fisk, he was president of Benedict College in Columbia, South Carolina. His other academic positions include vice president for academic affairs and dean of the college, Alabama A & M University; chairperson, Department of Business and Economics, Fort Valley State College, Georgia; and chairperson, Department of Agribusiness, Virginia State College, Virginia.

Ponder has served as an economic consultant to the Irving Trust Company of New York City. His business experience also includes work with the Federal Reserve Bank of New York's Department of Banking Studies, the Philadelphia National Bank, the Omaha National Bank, the U.S. Department of Treasury, and the Chase Manhattan Bank.

He is involved with numerous civic organizations, among them the Better Business Bureau, the Nashville Chamber of Commerce, the Tennessee Repertory Theatre, the YMCA, the Nashville Institute for the Arts, the United Way of Middle Tennessee, the Martin Luther King Jr. Health Science Magnet School, and the Bishop Desmond Tutu Southern African Refugee Scholarship Fund.

He has been listed in several directories of prominent individuals such as Who's Who Among Black Americans, Community Leaders of America, Men of Achievement, Directory of Distinguished Americans, International Who's Who of Intellectuals, and The Book of Honor. Among his many awards are three Distinguished Alumnus Awards—one from each of the colleges that awarded him degrees. In 1986 he was named as one of the 100 most effective college presidents in the United States, according to a Bowling Green research survey. In June of this year, Ponder was a recipient of the President's 300th Commencement Award from Ohio State. We congratulate him for his accomplishment, and we welcome him back as speaker for the University's 302nd commencement.

Recipients of Honors

Josephine Sitterle Failer Doctor of Humanities

Since graduating from Ohio State in 1939 with a bachelor's degree in pharmacy, Josephine Sitterle Failer has been a dedicated supporter of the University. Deeply interested in Ohio State students, she has served in a variety of leadership capacities and has given countless hours of volunteer time to numerous projects throughout the last half century.

Within the College of Pharmacy, she established a student loan fund for pharmacy students, organized many college events, provided leadership for fund-raising efforts, and has held several volunteer leadership positions. Failer has also been very involved in Ohio State's Alumni Association and has been a member of the organization's board of directors and reunion committees.

She has been very active in other University organizations such as Friends of the Library of The Ohio State University, Friends of WOSU, and Program 60, through which people 60 years and older enroll in University classes.

A donor every year since the founding of The Ohio State University Development Fund in 1939, Failer has shared both her time and resources with the University; she became a member of The Presidents Club in 1965, has been a member of the club's executive committee, and has been a leader in numerous other fund-raising projects as well.

Her previous awards from the University include a Distinguished Service Award, the Alumni Centennial Award, the Centennial Service Award, the Ralph D. Mershon Alumni Award, and the Everett D. Reese Medal. The University is pleased to honor this dedicated and distinguished alumna.

Ann Hutchinson Guest Doctor of Humanities

Ann Hutchinson Guest is regarded internationally as the senior expert in the field of Labanotation, a system of dance notation that uses symbols to indicate very specific movement. Labanotation allows entire dance works to be recorded on paper in a manner that is, according to Guest, somewhat comparable to music notation.

Guest has been a proponent of the idea that dance should have libraries of written works which, like music scores, would accurately preserve great works of art for future study and performance. She has resurrected historical dances that previously existed only in period writings, and it is largely through her efforts that Labanotation has gained acceptance throughout the world. As a dance scholar and historian, she has studied 24 old and contemporary systems of dance notation—she is fluent in five methods of notation. She is, in addition, the author of the standard text of the Laban system of notation.

Guest was born in New York City, and her education includes work at Cambridge University in England and the Joss-Leeder Dance School, where she studied modern dance and Labanotation. Subsequently, she danced professionally for eight years in modern dance concerts and Broadway shows.

She was one of the founding faculty members of the High School of Performing Arts in New York City and the Department of Dance at the Juilliard School, where she taught for 10 years. She was among the notation experts who set up the Dance Notation Bureau in New York in 1940, and in 1962, she founded the Language of Dance Centre in London, which she heads today. She was also instrumental in establishing the Labanotation Institute at the University of Surrey in 1985. Her original research continues to be the major influence affecting the development of the notation of human movement, and her writings form the basis for the study of this discipline in higher education. The University proudly confers this award on her for her lifetime of accomplishment and distinguished contributions to the world of dance.

Recipients of Honors

Janet Taylor Spence Doctor of Science

Janet Taylor Spence is a distinguished scholar who has made important contributions to the body of primary research literature in psychology. The impact of her doctoral dissertation has been monumental in its effect on research in personality theory, motivation, learning, and psychopathology. Her dissertation was, for many years, one of the most widely cited articles in psychological literature. Much of her later work has focused on achievement and motivation and on gender roles.

Spence holds a bachelor's degree from Oberlin College and master's and doctoral degrees from the State University of Iowa. She has worked at several institutions, including Harvard, Yale, Northwestern, Iowa, and the University of Texas, where she has served as department chairperson and is currently a member of the faculty.

She is among the most productive scholars in her field; she has written or co-written more than 100 articles and over 20 books and book chapters. She has also been very involved with professional organizations—she has been elected president of the American Psychological Association and has served in several leadership capacities in other organizations, including the American Association for the Advancement of Science, the Psychonomic Society, the Southwestern Psychological Association, and the Society of Experimental Social Psychology.

Her professional activities also include service as trustee, the James McKeen Cattell Foundation; as chair, visiting committee to the Harvard University Department of Psychology and Social Relations; as a member on the editorial committee of the *Annual Review of Psychology*; as a member on the board of governors, Center for Creative Leadership; and as a member on the advisory committee, Hogg Foundation for Mental Health. Ohio State is proud to honor her for her valuable contributions to her profession and to society.

Paolo Emilio Taviani Doctor of Humane Letters

Paolo Emilio Taviani, a leader of the Italian Resistance during World War II, has been a major intellectual presence in Italian academic and political life for over 40 years. Currently a senator in the Italian government, Taviani is one of a few living parliamentarians who has held an elected seat in Italy without interruption from 1945 to the present.

Born in Genoa, he holds doctoral degrees in jurisprudence, in social sciences, and in letters and philosophy. After college he began a teaching career in law and political science and later taught economics and history. He is a prolific and renowned scholar—he has published more than 20 books and dozens of reviews and articles on subjects related to the social sciences. He produced two exhaustive studies of Christopher Columbus' life and voyages, which have brought him international recognition as the greatest living authority on Columbus.

In addition to his distinguished academic career, Taviani has been a central participant in much of the social and economic history of Italy and western Europe. In 1943, during the German occupation of Italy, he helped form the National Committee for the Liberation of Liguria and served clandestinely as a partisan commander in the Resistance—actions for which he was much decorated. Also in 1943, he helped create the Christian Democrat Party. He was among the founders of the Italian Republic and a deputy to the Constitutional Committee.

After the war, he resumed his academic work and also began a career in the Italian political arena. He has served in numerous governmental capacities, including national vice secretary and national secretary of the Christian Democrat Party, representative to Parliament, senator of the Republic, chairman of the Senate foreign affairs committee, and he has held several cabinet positions. Ohio State is proud to honor him for his achievement, his leadership, and his contributions to twentieth-century civilization.

Recipients of Honors

C. K. Tseng Doctor of Science

C. K. Tseng is a distinguished international professor, scholar, and humanitarian, as well as a pioneer and leader in both basic and applied aspects of the aquatic sciences in the People's Republic of China. An expert in the study of algae, he received his doctorate from the University of Michigan in 1942 and is director emeritus of the Institute of Oceanology, Tsingtao, China.

Tseng's advanced professional training in the midwestern United States and subsequently at Scripps Institute of Oceanography has been a prelude to a life of leadership, service, and innovation within his country. His influence and activities have extended well beyond the boundaries of China and have been instrumental in re-establishing east-west relations; his work has fostered extensive international exchanges between scientific communities in both hemispheres.

During his career he has chaired the departments of Botany and Fisheries at Shandong University, China, and co-founded the Institute of Oceanology. He developed techniques for the successful cultivation of two economically important seaweeds, making China a leading world producer of these plants. He and his students are responsible for some of the earliest work in applying modern biotechnology to the study of marine organisms and to the genetic improvement of commercial seaweed stocks.

Since the end of the Cultural Revolution, Tseng has orchestrated events that have brought researchers and scholars together from all over the world. He has been the key figure in the successful development of relationships between aquatic scientists of China and the western world and a model for scientists in other fields to follow. The University congratulates him for his immense contributions to the world of science.

The Graduate School

Dean: Roy A. Koeningknecht

Doctor of Philosophy

Cairo Fatima Ali, St. Louis, MO; B.A. (Thiel College); M.A.; *Psychology*
Dr. Donald R. Meyer

James Kevin Arbogast, Bridgeport; B.S. (Wheeling College); *Chemistry*
Dr. T. R. Sweet

Deborah Lucas Arms, Groveport;
B.S.Nurs., M.S.; *Home Economics*
Dr. Ellen I. Hock

Venkatramani Balaji, Madras, India;
M.Sc. (Indian Institute of Technology);
Physics
Dr. John H. Shaw

Richard Eugene Baldwin, Cedarville;
B.S.E.E. (Iowa State University); M.B.A. (University of Dayton); *Business Administration*
Dr. Riad A. Ajami

John A. Berg, Coshocton; A.B. (Findlay College); M.A. (Akron University);
Education
Dr. Frederick R. Cyphert

Stephen Wayne Birdwell, Dublin;
B.S.Pharm., M.S.; *Pharmacy*
Dr. Dev. S. Pathak

Douglas Ronald Bisson, Fort Lauderdale, FL; B.A. (Florida Atlantic University); M.A., M.A.; *History*
Dr. Franklin J. Pegues

Michael Dennis Braydich, Youngstown;
B.S. (United States Air Force Academy); M.S. (Wright State University); *Chemistry*
Dr. Bruce E. Bursten

Maria Monica Careaga, Gral.Pico LaPampa, Argentina; Lic.En Bioquimica (Universidad Nacional Del Sur);
Physiological Chemistry
Dr. Howard W. Sprecher

Cherng-Chi Chang, Taipei, Taiwan, R.O.C.; B.S.C.E. (National Chung-Hsing University); M.S.; *Civil Engineering*
Dr. Ranbir S. Sandhu

Ching Shung Chen, Tamsui, Taiwan, R.O.C.; B.A., M.S. (Tamkang University); *Mechanical Engineering*
Dr. Henry R. Velkoff

Weidong Chen, Wuhan, Hubei, P.R.C.; B.S. (Huazhong Agricultural College); M.S.; *Plant Pathology*
Dr. Harry A. Hoitink

Kiran Babu Chilakamarri, Seconderabad, India; B.S. (Indian Statistical Institute); M.S.; *Aeronautical and Astronautical Engineering*
Dr. Michael R. Foster

Lin Chiu, Taipei, Taiwan, R.O.C.; B.S. (The National Taiwan University); M.S.; *Computer and Information Science*
Dr. Ming T. Liu

Chun-Tzer Chou, Taipei, Taiwan, R.O.C.; B.S. (National Cheng Kung University); M.S. (National Taiwan University);
Chemistry
Dr. John S. Swenton

Kuo-Chin Chou, Taipei, Taiwan, R.O.C.; B.S., M.S. (National Tsing Hua University); *Metallurgical Engineering*
Dr. Susan S. Smialowska

Oren L. Christmas, Ocala, FL; B.S., M.S. (University of Florida); *Agricultural Education*
Dr. J. Robert Warmbrod

Shawn Meredith Clark, Columbus; B.S., M.S. (Brigham Young University);
Entomology
Dr. Charles A. Triplehorn

Randi Weisberger Cohen, Gardiner, ME; B.A. (University of Maine); M.A.;
Education
Dr. Gilbert A. Jarvis

Elizabeth Adell Cook, Spring Valley, CA; A.B. (San Diego State University); M.A.; *Political Science*
Dr. Herbert A. Asher

Judith DeFrate, Columbus; B.B.A. (University of Massachusetts); B.S.Ed., M.A.; *Education*
Dr. Otto Santos

Marjorie Jean Demel, Worthington; B.S. (University of Nebraska); M.A. (Texas A & M University); *Education*
Dr. Elizabeth B. Bernhardt,
Dr. Gilbert A. Jarvis

James Michael Dunlea, Youngstown; B.A. (Northwestern University); M.S.; *Physics*
Dr. Neville W. Reay

Valentine Anayo Duruibe, Aba, Nigeria; B.S. (Wilberforce University); M.S.;
Pharmacology
Dr. Daniel Courti

Wahba Wahba El-Tahan, Port-Said, Egypt; B.S. (Cairo University); M.S.; *Engineering Mechanics*
Dr. Sunder H. Advani

Gregory Lawrence Eyink, Celina; B.S.; *Physics*
Dr. K. Lane

Danny T. Fagan, Lenexa, KS; B.S. (Northern Illinois University); *Chemistry*
Dr. Theodore Kuzana

Samuel Donovan Fink, Columbus; B.S. (University of Notre Dame); M.S.; *Chemical Engineering*
Dr. Harry C. Hershey

Eve Phyllis Fisher, Manlius, NY; B.A. (University of Rochester); M.A.;
Psychology
Dr. Henry R. Leland

Kimberly Ruth Forseth, Vermilion; B.A. (Mount Vernon Nazarene College); M.A.; *Health, Physical Education and Recreation*
Dr. Daryl L. Siedentop

William R. Frey, Zelienople, PA; B.S. (University of Illinois); M.Ed. (Georgia State University); M.H.A. (Washington University); *Sociology*
Dr. Saad Z. Nagi

Carol Jean Fry, Charlotte, NC; B.A., M.H.D.L. (University of North Carolina);
Education
Dr. Alan R. Osborne

Soumen Ghosh, Calcutta, India; B.S. (Birla Institute of Technology); M.S., M.A.;
Business Administration
Dr. Cheryl M. Gaimon

Pamela Theresa Gill, York, SC; B.A. (Coker College); M.A. (Miami University);
Art Education
Dr. Arthur D. Efland

Andrew Robert Goetz, Cleveland; B.A. (Northwestern University); M.A. (Kent State University); *Geography*
Dr. Edward J. Taaffe

William M.Y. Goh, Taiwan, R.O.C.; B.S. (National Taiwan University); M.S., M.S.;
Physics
Dr. C. William McCurdy

Jeanne Bilger Gross, Westerville; B.Mus.Ed. (Otterbein College); M.A.;
Music
Dr. Jerry E. Lowder

Barbara Welling Hall, Columbus; B.A. (Oberlin College); M.A.; *Political Science*
Dr. Chadwick F. Alger

Mark Manning Harris, Newton, IA; B.S. (Iowa State University); M.A.; *Psychology*
Dr. Harold B. Pepinsky

Marc W. Harrold, New Kensington, PA; B.S. (Duquesne University); *Pharmacy*
Dr. Duane D. Miller

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Bob V. Topp, Columbus; B.S.N. (University of Toledo); M.S.N. (University of Cincinnati); *Health, Physical Education and Recreation*

Gary Warren Tremper, Mendham, NJ; B.L.S. (Hillsdale College); *History*

Lisa Lee Walters, Columbus; B.A. (Miami University); *Romance Languages and Literatures*

Huei-Hwang Wang, Taiwan, R.O.C.; B.A. (National Taiwan University); *Economics*

Lianqing Wang, Beijing, P.R.C.; B.A. (Peking University); M.A. (Graduate School of Chinese Academy); *East Asian Languages and Literatures*

Lester Randall Warner, Worthington; B.M. (Capital University); *Music*

Anne Marie Waugaman, Columbus; B.S.Ed.; *Education*

Brian Gregory Wilson, Suffield; B.S.B.A. (Kent State University); M.B.A. (University of Akron); *Business Administration*

Melissa Ingram Wilson, Columbus; B.A. (Oxford University); *Education*

Stephanie Jayne Winder, Chesterfield, England; B.A. (University of Leeds); *Classics*

Steven Wayne Wolf, Holgate; B.S.Agr.; *Health, Physical Education and Recreation*

Tiffany Jill Wright, Carmel, NY; B.S. (State University of New York-Fredonia); *Psychology*

Simon H. Yen, Taipei, Taiwan, R.O.C.; B.S., M.B.A. (National Cheng-Kung University); M.B.A. (Saint Louis University); *Business Administration*

Master of City and Regional Planning

Mark E. Huffer, Columbus; B.A. (Ohio University); *City and Regional Planning*

Sung Yong Jung, Taegu, South Korea; B.A. (Taegu University); M.A. (Chung-Ang University); *City and Regional Planning*

Master of Fine Arts

Debra McCulley Fisher, Columbus; B.F.A. (University of Delaware); *Art*

Master of Health Administration

Deborah Ann Helber, Columbus; B.S.Ed.; *Hospital and Health Services Administration*

Master of Labor and Human Resources

James Warren Albritton, Cleveland; A.B. (Lincoln University); M.A. (Antioch University); *Labor and Human Resources*

John Stevenson Davis, Columbus; B.A. (Ohio University); *Labor and Human Resources*

Sundy Gulu, Powell; B.A.; *Labor and Human Resources*

Suzanne Claire Kaszar, Worthington; B.A. (Kent State University); B.A. (Antioch College); *Labor and Human Resources*

Kristina Sue Krendl, Nashville, TN; A.B. (Harvard University); *Labor and Human Resources*

Barbara Elizabeth Kwasny, Columbus; B.A. (Lawrence University); *Labor and Human Resources*

Mark Alan Matson, Denver, CO; B.A. (Catholic University of America); M.A. (Boston College); *Labor and Human Resources*

Steven Herbert Miggo, Ashtabula; A.B. (Ohio University); *Labor and Human Resources*

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Laura Ann Palko, Natrona Heights, PA; B.A.Jour.; *Labor and Human Resources*

James Leonard Perry, Mansfield; B.S.Bus.Adm.; *Labor and Human Resources*

Brian Mark Wilson, Springfield, IL; B.S.W. (University of Illinois); *Labor and Human Resources*

Master of Landscape Architecture

Robert Olan Atwood, Columbus; B.S.Agr.; *Landscape Architecture*

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Master of Music

Betty Jean Busch, Fort Collins, CO; B.M.E. (University of Northern Colorado); *Music*

Nancy Davis Kiser, Avon Lake; B.Mus.Ed.; *Music*

Master of Public Administration

Hyun Kun Kwak, Daejeon, Chung Nam, South Korea; B.P.A. (Yonsei University); *Public Administration*

Master of Science

Roger Francis Achtermann, Waynesville; B.S. (Southern Illinois University); *Agricultural Education*

Saeed Ahmad, Pakistan; B.S. (University of Engineering and Technology); *Electrical Engineering*

Ali Saeed Al-Ghamdi, Riyadh, Saudi Arabia; B.S.C.E. (King Saud University); *Civil Engineering*

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Susan Frances Ammons, Charlotte, NC; B.S. (North Carolina State University); *Animal Science*

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Harold Stephen Anderson, Waynesville; B.S.; *Computer and Information Science*

Andrey Aristov, Los Angeles, CA; B.A. (University of California); *Geodetic Science and Surveying*

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Krista Jean Ball, Gahanna; B.S.Nurs. (Ohio University); *Allied Medical Professions*

Fayez Ballouq, Syrian Arab Republic; M.D. (Aleppo University); *Pathology*

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Juan Leonel Batista, Santo Domingo, Dominican Republic; B.S. (Universidad Nacional Pedro Henriguez Lirena-Unphv); *Natural Resources*

- Narayana Behera**, Keonjhar, Orissa, India; B.Tech. (Indian Institute of Technology); *Mechanical Engineering*
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- Ashish Kumar Ojha**, Rocky Hill, CT; B.S. (Benaras Hindu University); *Ceramic Engineering*
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- Vahid Parsi**, Tehran, Iran; B.S.E.E. (Sharif University of Technology); *Electrical Engineering*
- Kalpaben Vithalbhai Patel**, Ndola, Zambia; B.Pharm. (Kasturba Medical College); *Pharmacy*
- James Scott Peary**, Woburn, MA; B.S.Agr.; *Horticulture*
- George Anthony Pellerite**, Columbus; B.A.; *Home Economics*
- Ezequiel Almeida Pinho**, Faro, Portugal; B.S. (Instituto Superior Economia); *Agricultural Economics and Rural Sociology*
- Franklin Eugene Piper**, Dorset; A.A.S., B.S.Agr.; *Agricultural Education*
- Harold Dean Pitt**, Cheyenne, WY; B.S. (Tennessee Technological University); *Geodetic Science and Surveying*
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- John Franklin Poulson**, Shiloh; B.S.Agr.; *Agricultural Education*
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- Sharon Elaine Rohr**, Canal Fulton; B.S.Agr.; *Poultry Science*
- Anita Marie Rowan**, Gahanna; B.S.N. (Thomas Jefferson University); *Nursing*
- Roxanne Ruland**, Madison; B.A. (Pillsbury College); *Horticulture*
- Patricia Ann Ryan**, Doraville, GA; B.E.E. (Georgia Institute of Technology); *Electrical Engineering*
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- Rose Mary Saliba**, Norwich; B.S.N. (Capital University); *Nursing*
- Patty Ann Sasaki**, Chesterland; B.S.; *Computer and Information Science*
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- Patricia Grant Slipka**, Huron; B.S.N. (Bowling Green State University); *Nursing*
- Susan Gunlock Smiley**, Dublin; B.S.N. (Otterbein College); *Nursing*
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- Mark Leland Wilson**, Columbus; B.S.Agr.; *Agronomy*
- Randall Lee Wilson**, Columbus; B.A. (Capital University); *Pharmacy*
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- Xiaojun Wu**, Wuhan, Hubei, P.R.C.; B.S. (Wuhan University); *Physics*
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- Shwu Hwa Yu**, Hsinchu, Taiwan, R.O.C.; B.S. (Chiao Tung University); M.S. (National Chiao Tung University); *Computer and Information Science*
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- Steven Craig Zuckerman**, Beltsville, MD; B.S. (University of New Hampshire); *Geodetic Science and Surveying*

Master of Social Work

- Karen Massa Beardman**, Columbus; B.A.; *Social Work*
- Patrice Ellen Moore**, Delaware; B.S.Occ.Ther.; *Social Work*
- Soon-Young Won**, Seoul, South Korea; B.A. (Yonsei University); *Social Work*

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Aram Hagop Tchobanian, Columbus

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Bachelor of Art Education²

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Mark Edson Lewis, Hoboken, NJ
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College of Humanities

Dean: G. Micheal Riley

Bachelor of Arts

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Ricky Ricardo Beacham, Youngstown
Denise Renee Beatty, Massillon
Joseph William Bettinger, Toledo
Stanley J. Blevins, Columbus
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Jon David Chappellear, Gahanna
Debra Ann Chrisman, Granville
Matthew Alex Dowds, Shelby
Thomas More Downey, Worthington
Coy Finley Franklin, Worthington
Joanne Carol Gilbert, Middletown
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Rosemary Virginia Hathaway, Bexley
Heidi Anne Herman, Lakewood
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Michael Philby Sparrow, St. Clairsville
Jeffrey Todd Williams, Columbus
Robert Mark Workman, Middletown

College of Social and Behavioral Sciences

Dean: Joan Huber

Bachelor of Arts

Valerie Margaret Acton, Bexley
Phillip Lord Allar, Columbus
Vicki L. Allen, Groveport
Kimberly Denise Anderson, Berea
Carl Franklin Angel, Jr., Jackson
Joseph Dale Appelhans, Pemberville
Margaret Mary Arnold, West Lafayette
Gail Ann Bailine, Westlake
John Vincent Bennett, San Diego, CA
Molly Ruth Benson, Columbus
Robin Ivy Berlin, Akron
Susan Michelle Betz, Maumee
Holly Lynn Bisutti, Union City
David John Bowers, Lancaster
Regina Marie Bronson, Columbus
Brenda Ann Burchfield, Toledo
David Michael Busick, West Milton
Edward Henry Carnes, Elida
Tina Lesley Carper, Marion
Maria Lynn Carr, Newark
Rachelle Maria Changet, Canton
Collette Ann Coffman, Upper Arlington
Andrew N. Colvin, Columbus
Darren Scott Cooper, Centerville

Lori Lynn Czeck, Niles
Dirk Daren Defenbaugh, Columbus
Karleen Renee Deken, Copley
Douglas Eugene Doherty, Columbus
Michael Kurt Ehrmann, Waterford, MI
MaryEllen Eiermann, Euclid
John George Flais, Alliance
Patricia Marie Foley, Columbus
Christopher Lance Fraley, Kenton
James Edward Gardner, Akron
Courtney Blair Gasper, Alexandria, VA
Christopher P. Gilkerson, Worthington
Stefanie Lynn Goldberg, Bexley
Robert Wesley Grow, Mansfield
Daniel Patrick Grueter, Akron
Ayman Abdel-Razik Hamed, Cairo, Egypt
Susan Lynn Hamilton, New London
Richard Alan Hannon, Lexington
Kathleen Theresa Harkin, Granville
Steven Cameron Hartshorn, Columbus
Robert David Hays, Upper Arlington
Lilian Joan Heiser, Columbus
Michelle Dawn Heritage, Westerville
Stephellen Alan Hill, Fort Walton Beach, FL
Virginia Ann Hoffman, Mansfield
Altrece Monsha Hogans, Columbus
Theodore William Hoying, New Bremen
Christina Anne Huntley, Canton
Robert K. Huxtable, Cathedral City, CA
Michele Elaine Jaynes, Worthington
Kenneth Butler Johnston, Columbus
Christy Elizabeth Jones, Westerville
Wendy Elizabeth Kail, Pepper Pike
Thomas Luke Kauchek, Seven Hills
Sylvia Sue Knoetzele, Pickerington
Diane Carol Kubit, Brook Park
Sontha Lamgaday, Middletown
Bridget Kathleen Lear, Lyndhurst
Joseph Newton Leo III, Shaker Heights
James Benjamin Lewis, Shaker Heights
Jeri Ann Little, West Jefferson
John W. Lopez, Lorain
Christine Marie Loscko, Columbus
Geoffrey Anthony Mangino, Cleveland Heights
Jacqueline Marie Marchan, Upper Arlington
Brian Patrick Marzano, Cincinnati
Scott Michael Maurer, New Philadelphia
Patricia Marie McCormick, Warren
Stanley John McDonald, Cleveland
Eric Albert Megger, Mansfield
Laura Lynn Meister, Mansfield
Elise Arla Mellner, Baltimore, MD
David Michael Miller, Columbus
Cynthia Ariene Mong, Mansfield
Deborah Lynn Moore, Columbus
John Douglas Moore II, Shaker Heights
Bonnie Marie Morrissey, Lima
Stephen John Mosaic, Columbus
Karen Deloris Moss, West Salem
Kevin Gene Myers, Columbus
Joseph Charles Nahay, Columbus
Maria Viktoria Nilsson, Carmel, NY
Ronald Anthony Noel, Olmsted Falls
Timothy Robert Obringer, New Washington
Peri Ann Otterstrom, Bethel, CT
Sheryl Ann Pacula, Berea

Chih-Yun Pan, Taipei, Taiwan, R.O.C.
Craig Randal Phelps, Columbus
Paul A. Poland, Cincinnati
Sheryl Louise Prior, Vandalia
Mark Michael Reilly, Strongsville
Suzanne Isobel Robertson, Dayton
Diana Lynn Savage, Crooksville
Julia Marie Schottelkotte, Cincinnati
Charles Walter Schwartz, Columbus
Lisa Eileen Schwartz, Dover
Mark Adam Schwartz, Cleveland
Linda Carol Servais, Maumee
Michael John Shaheen, Westerville
Linda Sinoway, Bexley
Joseph John Skruck III, Hubbard
Thomas William Slagle, Cincinnati
Paula Ann Smigelsky, Maple Heights
Laura Anne Sosna, Columbus
Dana Marie Stewart, Columbus
Joseph William Stowell, Jr., Louisville
Magnus James Sublett, Newark
Richard Joseph Szulewski, Worthington
Stephen Anthony Tamburello, Painesville
Sandra Elaine Trbovich, Canton
Fonda Christine Trogus, Okemos, MI
Elizabeth L. Ulrich, Oregon
Brenda C. Voshell, Marion
Kimberly Ann Wachhaus, Mentor
Janice Marie Walls, Columbus
Kevin Patrick Walter, Akron
Christina Dawn Waga, Columbus
Robert Grayum Watts, Columbus
Timothy James Williams, Dublin
Annette M. Wilson, Columbus
Laura Sue Wise-Blau, Columbus
Julia Marie Woodruff, Columbus
Susan Marie Zelinski, Urbana

Bachelor of Science

Christina M. Antenucci, Warren
Mary Ruth Berrey, Granville
Claire Sommerlea Callagher, Guelph, Ontario, Canada
Kenneth Michael Carley, Groveport
David Anthony Cheney, Beavercreek
Michael Anthony Combs, Cincinnati
Stacy Elyce Diamond, Pepper Pike
Nizam H. El-Khattib, Columbus
Steven Thomas Fiorino, Beavercreek
Steven Charles Hartstein, Beachwood
Daniel Adam Herschler, Columbus
Sun Ryoung Lee, Columbus
Michael Earl Lemley, New Albany
Gürhan Öztunç, Adana, Turkey
Richard Douglas Shemenski, Worthington
Herschel Allen Spears, Columbus
Dirk Hans Van Nederveen, Columbus
Deborah Gay Weaver, Winfield, WV
Jeffrey Michael Zerla, Dillonvale

School of Journalism

Bachelor of Arts in Journalism

Robin Marie Bennett, Franklin
Leah Rae Bibbo, Tiltonsville
David Clayton Bodemer, Mentor

Tracie Lynn Borstelman, Napoleon
 Stuart Mark Castergine, Marlboro, NJ
 Tracy Leigh Coburn, Gahanna
 Donald Lee Crouse, Allegany, NY
 Michael Alan Demana, Columbus
 Rebecca Donlon, New Albany
 David Charles Esmond, Upper Arlington
 Lisa Susan Feldman, East Brunswick, NJ
 Michael Alan Flegle, Canal Winchester
 Beth Ann Gamary, Lakewood
 Coleen Molly Gior, Attica, NY
 Randy Lee Golenberg, Pepper Pike
 Carina Dawn Hansen, Columbus
 Michelle Renee Howland, Columbus
 John Stevens Hulst, Columbus
 Eric Ray Johnston, Gahanna
 Melinda Sue Kincaid, Columbus
 Elizabeth Lee Kirchner, Columbus
 Jennifer Lee Kofoed, Medina
 Matthew Lerch, Hillsboro
 Kathryn Brent Marston, Brunswick
 Raissa L. Martin, Uniontown
 Anne Marie Meyer, Worthington
 Mary-Jo Mostoway, North Canton
 Noreen Lynn Mulcahy, Parma
 Ellen Robin Murray, Lebanon
 Janet Elaine Nickerson, Columbus
 Patrick John O'Bryan, Cincinnati
 James Scott Pearsall, Kettering
 Amy Page Phelps, Fairfield
 Christine Louise Pool, Toledo
 Terry Michelle Rosen, Cincinnati
 Manuel L. Silverio, Madrid, Spain
 Kelly Sue Smith, Portsmouth
 Victor Allen Smith, Amherst
 Daniel Brian Stadler, North Royalton
 Karen Leslie Stern, Farmington, CT
 Gino Mario Tomaro, Seven Hills
 Sue Ann Trimbach, Vandalia
 Diane Lynn Trivers, Cleveland
 Geraldine Robyn Tutty, Parsippany, NY
 Alan Darryl VanderMolen,
 Springfield, VA
 David John Verdon, Granville
 Mary A. Vernau, Newark
 Judy Ellen Wagner, Grove City
 Timothy Michael Wagner, Lima
 John Michael Wallach, Dayton
 Christopher Lee West, Columbus
 Todd Jeffrey Whited, Hamilton
 Brianne Marie Yontz, Cambridge

College of Agriculture

Dean: Frederick E. Hutchinson

Bachelor of Science in Agriculture

Annette Marie Anderson, Columbus
 Kenneth Michael Armstrong, Cleveland
 Heights
 Stu Brian Bechtler, Mansfield
 David Allen Bennett, Wakeman
 Johnna Louise Bostdorff, Bowling Green
 Henry Martin Brady, Granville
 Susan Elaine Burton, Okeana
 Cynthia Lynn Cooper, Springfield

Steven Rudolph Denes, West Jefferson
 James Edward Eimermacher, Cincinnati
 Jon Alan Everett, Sidney
 Gregory Richard Eyer, Bucyrus
 Thomas Eugene Freisthler, Botkins
 Kirk Clinton Gibbs, Bellevue
 Dale Robert Gilliland, Nevada
 Barbara Jane Graham, Fostoria
 Duane E. Harper, Columbus
 James Gerard Heydinger, New
 Washington
 Matthew William Holmes, Perrysville
 Jeffrey Lynn Horn, Cadiz
 Lori Lynell Hough, Delaware
 Stephen David Keiter, Wilmington
 Rosalie Marie Keller, Marion
 Mary Denise Korb, Hamilton
 Martin Rindge Lambert, Peebles
 Linda Leigh Lashley, Xenia
 Lisa Anne Lawson, Carrollton
 Donald Edwin Longwell, Jr., Grafton
 Michael Brian Maguire, Whitehouse
 David Reynold Mellor, Piqua
 Matthew Todd Moore, Leesburg
 Carissa Lynn Nichols, Tipp City
 Gregory Scott O'Brien, Chagrin Falls
 Deborah Kay Pitsinger, Huron
 Debora Ann Reichert, Gomer
 Teresa Jo Roll, Jamestown
 Mark Gerard Rospert, Norwalk
 Jean Marie Royer, Columbus
 Gregory Peter Santulli, King of
 Prussia, PA
 Kenneth Lawrence Scaife, Tiffin
 Matthew Larry Schaller, Waterville
 Michael Theodore Stute, Springfield
 Chris Leonard Taylor, Olmsted Falls
 Douglas William Thiessen, Canton
 David Curtis Thomas, Columbus
 Daniel Vincent Utrecht, Oregonia
 Nicholas William Vandervort, Sabina
 Rene Michelle Walen, Powell
 Daniel Lee Ward, Shadyville
 William Todd Warner, Columbus

Bachelor of Science in Food Science

Jennifer Vernice Williams, Cincinnati

Bachelor of Science in Food Technology

Mark Nathan Dowdell, New London

School of Natural Resources

Bachelor of Science in Natural Resources

Karen Lynn Anderson, Columbus
 John Eugene Binegar, Loveland
 Matthew Dean Criblez, Ada
 Duane Ward Drozdowski, Broadview
 Heights

Kent Steven Ellermets, Columbus
 John Montford Erlsten, Galion
 Karen Marie Fedor, Medina
 Scott David Fletcher, Enon
 James Curtis Grainger, Tipp City
 Tanya Caroline Hirst, Akron
 Sherrie Lynn Husted, Atwater
 Jeffery Randall Johnson, Lancaster
 Lorraine Annette Moses, Bucyrus
 Fred James Noel, Fostoria
 David Allen Nussbaum, Beavercreek
 Susan Marie Ream, Xenia
 David Ray Sarafin, Columbus
 Joseph Trevor Sedlock, Columbus
 Michael Stephen Simonik, Cleveland
 Kenneth John Urbanek, Canal Fulton

Agricultural Technical Institute - Wooster

Associate in Applied Science

Aaron Dale Asmus, Haskins
 Kevin James Ciptak, Cuyahoga Falls
 Kevin Michael Crawford, Fairview Park
 Vincent Anthony De Pasquale, Canton
 Kevin Karl Dircks, Huron
 Dennis James Ferguson, Massillon
 Kenneth J. Graf, Rudolph
 Katherine Theresa Heintel, Chagrin Falls
 Jane E. Kehl, Louisville
 Alan John Mayo, Flushing
 Stephen Edward McConnell, New
 London
 Alan Thomas Metzkar, Greenville
 Timothy William Nickles, Loudonville
 William Carl Oswald, Toledo
 Tina Marie Patyk, Parma Heights
 Corrina Ann Pentto, Masontown, PA
 Lawrence Irwin Reaven, Akron
 Cynthia Jean Saling, New Philadelphia
 Andrew Dale Ware, Quaker City
 Susan Marie Weitzel, Doylestown
 Kris Noel Zimpfer, Whitehall

College of Business

Dean: H. Justin Davidson

Bachelor of Science in Business Administration

Brian Gregory Adams, Columbus
 Drew James Adler, Walton Hills
 Stephen Andrew Allamanno, Columbus
 John Randal Allen, Columbus Grove
 Hilary Marie Amling, Upper Arlington
 Elkin Adolfo Anaya Diaz, Medillin,
 Colombia
 Adam Foster Anderson, Columbus
 Karna Ingeborg Anderson, Columbus
 Christopher Layne Angles, Lithopolis
 Daniel John Anspach, Port Clinton
 Mulualem Biru Asefa, Gondar, Ethiopia

David Nixon Ashe, Akron
 Kimberly Louise Auer, Westerville
 Linda Kaye Austin, Columbus
 C. Todd Bailey, Westerville
 Krista Kay Bailey, Englewood
 Jolie Christine Baker, Kent
 William Michael Balaun, Akron
 Beth Anne Bame, Elida
 James M. Barnett, Columbus
 Scott V. Barrett, Lakewood
 Laura Ann Barringer, Portsmouth
 Kent Wesley Bartolf, Lima
 Renée Louise Beauregard, Lakewood
 Kelli Lyn Beckett, Findlay
 Kyndall Judith Beery, Canal Winchester
 Kim Jones Belcastro, Dayton
 Brian T. Bergman, Worthington
 Paul Charles Bernard, Columbus
 Gary Lee Bettac, Mansfield
 Donald William Betts, Reynoldsburg
 Gregory Andrew Biersack, Bradenton, FL
 Scott David Blaushild, Los Angeles, CA
 Scott B. Blumenthal, Boca Raton, FL
 Nicholas Michael Boicheff, Orange
 Park, FL
 Jacqueline Anne Bores, Strongsville
 Robert Christopher Borghese, Columbus
 Walter Eugene Bowers, Jr., Milford
 Center
 Jill Lynne Boy, Pittsburgh, PA
 Catherine D. Bozeman, Columbus
 Elizabeth Ann Brainard, Fairborn
 Jonathan Ames Bremer, Columbus Grove
 Franklin Delano Brewer II, Newark
 Karen Sue Brooke, Circleville
 Thomas W. Brookover II, Wheeling, WV
 John W. Brooks, Delaware
 Gregory Alan Brown, Bellefontaine
 Alan Pierce Brubaker, Cuyahoga Falls
 Todd William Brucchiari, Middleburg
 Heights
 Bryan Karl Bruder, Fairborn
 Bill G. Burden, Jr., St. Marys
 Monica Eileen Butler, Dover, PA
 Kimberly Gail Byrd, Columbus
 Robert Keith Calaway, Marion
 Walter Donald Callam, Lyndhurst
 Anthony Paul Campagni, Worthington
 Joan E. Campbell, Newark
 Juan Diego Cardenas Alvarez, Medellin,
 Colombia
 Keith William Carle, Minerva
 Daniel Leon Caron, Granville
 Christopher Todd Carson, Westerville
 Grace Unchu Chang, Gahanna
 William Oresti Chappel II, Wyoming
 Michael Alexander Chekanoff, Akron
 Conlee Cheng, Medina
 Jacqueline Ann Christ, Gahanna
 Christopher John Ciehanski, Sagamore
 Hills
 Donald Paul Clifford, Worthington
 Sharon Ann Collins, Painesville
 Robert Eric Confer, Springfield
 Nicholas Clark Conn, Ottawa
 Vincent Martin Conner, Dayton
 Timothy Charles Costello, Mentor
 Elissa Suzanne Courtney, Poland
 Kevin Dean Cox, Columbus

Gregory Bernard Crafter, Long Beach, CA
 Daniel Joseph Crawford, Lima
 Connie Lee Cull, Marion
 Alan James Czako, Delaware
 Linda Ann Dagnall, Westerville
 Bryan Joseph Davis, Columbus
 Michael Stuart Davis, Sylvania
 Thomas Scott Davis, Columbus
 Edward Arthur Dayton, Danbury
 Charles Anthony Deidesheimer,
 Cincinnati
 Anthony Michael DeLuca, Monmouth
 Junction, NJ
 Mark Robert Dobie, Sharon Center
 Matthew Henry Doerfler, Cambridge
 Kathleen Joan Doherty, Geneva
 Lisa Ann Duco, Columbus
 Robert James Duncan, Dublin
 Karen Elizabeth Dunlevy, Worthington
 Ted Joseph Dyrdek, Jr., Beverly
 Daniel Robert Ebin, Cleveland
 Dennis C. Edwards, Jr., New London
 Robin Marie Eischen, Sheboygan, WI
 Sharon Beth Eiser, Toledo
 Denis Wayne Ellinger, Ohio City
 Trent Alan Emig, Columbus
 Douglas Matthew England, Columbus
 Alfred Ray English, Newark
 Joseph L. Erhart, Kalida
 Susan L. Evans, Wellston
 E. Andrew Ey, Columbus
 Bernard Fredrick Faldowski, Jr., Rayland
 Thomas George Fallidas, Columbus
 Thomas Michael Farwick, Worthington
 Julia Cecilia Fafone, Columbus
 John Jeffrey Ferencz, Avon
 Ellen Marie Ferguson, Columbus
 Helen Beth Ferrall, Cuyahoga Falls
 Richard Thomas Ferris, Columbus
 Karen L. Ferry, Lexington
 Michelle Renée Fidak, Wintersville
 Lucia Maria Fierro, North Canton
 Gwen Patrice Fillingier, Lancaster
 Mark Allen Finnegan, Toledo
 Philip Dale Fisher, Wapakoneta
 David Roger Fogarty, Chagrin Falls
 Keith John Folman, Warren
 Don Belford Foster, Columbus
 Molly Lee Frederick, Columbus
 Brian D. Frost, Brookpark
 Charles Joseph Gacek, Middleburg
 Heights
 Sharon Lynne Galik, Brecksville
 John F. Gallagher, Youngstown
 Joseph Frank Garber, Columbus
 George K. Gesouras, Columbus
 Daniel Charles Gesting, Cincinnati
 James Douglas Gibeau, Upper Arlington
 Scott Douglas Girard, Chagrin Falls
 Jennifer Elaine Gischel, Columbus
 James Joseph Goodman, Chagrin Falls
 Lee Jay Goodman, Newark
 Joseph William Gray IV, Sylvania
 Snezana Grbevaska, Columbus
 Renee Suzanne Grosh, Worthington
 Janée Ann Haas, Worthington
 Tim James Haller, Columbus
 Christopher George Harris, Columbus
 Orlando Ethan Harris, Cincinnati

Steven Charles Hartstein, Beachwood
 David Wayne Harvey, Lucas
 Mark D. Hatcher, Bucyrus
 Anne Burrough Hazelton, Dublin
 Michael Alan Heines, Cincinnati
 Kathleen Elizabeth Henn, Cincinnati
 John F. Herold, Columbus
 Sandra Ann Hill, Loveland
 Alan Dean Hinson, Pataskala
 Gary Todd Hitzemann, Worthington
 Mark Richard Hoffmanner, Worthington
 David Noel Hohenshil, Doylestown
 Burgess Lloyd Holt, Medina
 Matthew P. Hoover, Dublin
 Melanie Sue Howell, Worthington
 Mitchell Kent Hurst, McConnellsville
 Todd Porter Iden, Mt. Perry
 Kari Lynn Irvine, Celina
 Vijaya Iyer, Worthington
 Joan Alicia Jackel, Westerville
 Melanie Joy Jefferis, Berea
 Gregory Alan Jeffers, Columbus
 Susan W. Jensen, Worthington
 Karen Lynn Johnson, Columbus
 Beth Ann Jolliff, Arlington
 James Wallace Jones, Jr., Sylvania
 Michael Jones, Cincinnati
 David J. Kampsen, Covington, KY
 Jeff A. Keegan, Vickery
 Kenneth M. Keim, Hamilton
 Martin Joseph Kelly, Cincinnati
 Timothy S. Ketcham, Columbus
 Terrence Thomas Kilbane, North Olmsted
 Kum O. Kim, Xenia
 Jeffrey Scott Kirkey, Columbus
 David Brian Knox, Columbus
 Michael Allen Koler, Parma
 Robert Charles Korn, Wheaton, IL
 Karen Lea Langford, Columbus
 Michael David Langwasser, Columbus
 Thomas Anthony George LaPolla II, Niles
 Lynette R. Lauletta, Pataskala
 John Wesley Layton, Prospect
 Steven Michael Lee, Newark
 Angela L. C. Lim, Hong Kong
 Gwen Ming-Kuan Lim, Taipei, Taiwan,
 R.O.C.
 Siew Choo Lim, Johor Bahru, Johor,
 Malaysia
 Tian Hong Lim, Georgetown, Penang,
 Malaysia
 Lori Ann Limbers, Reynoldsburg
 Brent B. Liming, Akron
 Suzanne Kaye Lippiatt, Salem
 Rissa Lynn-Patrick Long, Columbus
 George A. Loukoumis, Athens, Greece
 William Thomas Malone III, Toledo
 Mary Ellen Manderson, Lexington
 Mark Andrew Manhart, Massillon
 Leigh Ellen Mann, Wickliffe
 David Thomas Marshall, Huber Heights
 John David Matcisik, Austintown
 David C. Matzenbach, Ashville
 Frank Patrick Mazzoze, Beaver Creek
 Joseph Frederick McCallister, Columbus
 Stephen John McClellan, Maumee
 Sean Patrick McCrate, Columbus
 Donald C. McElhane, Jr., Barrington, IL
 Robert Paul McMurray II, Columbiana

Mary K. McPherson, Copley
 Todd Yancey McPherson, Cincinnati
 Ronald S. Melbourne, North
 Andover, MA
 Mark Alan Menges, Findlay
 Leslie Ann Merola, Powell
 Mark Hamer Merrilees, Mt. Vernon
 Celia M. Meshanko, Columbus
 Tara Marie Miljus, Dublin
 Fred Bodimer Miller II, Upper Arlington
 Robert Scott Minton, Columbus
 Gerald Anthony Mlachak, Euclid
 Steven Bradley Morris, Cambridge
 Michael John Mramor, Mayfield Heights
 Richard Leslie Murch, Worthington
 Mia Murphy, Columbus
 Rhonda Jane Murphy, Springfield
 Douglas James Niese, Wapakoneta
 Joanne Marie O'Hara, Kettering
 Gregory James O'Hare, Worthington
 Timothy M. O'Keefe, Newark
 John F. O'Neill, Westlake
 William Matthew Olson, Columbus
 Kathy Lynne Orvos, Uniontown
 Matthew Makoto Otani, Canton
 Jay Douglas Otto, Dayton
 Michelle C. Ours, Columbus
 Thomas Gregory Pabst, Worthington
 Ronny Michael Paelicke, Solon
 Michael Keith Palmer, Lima
 Giuseppe Parente, Middleburg Heights
 James Gregory Pasden, Columbus
 Christopher J. Pedon, Bexley
 Ingrid Birgitte Penton, Lorain
 Lee Alan Peters, Grove City
 Douglas Kevin Petersen, Lodi
 Stephen Paul Plasko, Lexington
 Victor Alan Polen, Chillicothe
 Scott Lanning Porterfield, Sandusky
 Douglas Robert Potts, Dublin
 Teresa Nadine Prater, Alger
 J. Todd Price, Worthington
 William George Psychogios, Columbus
 Lawrence Robert Quandt, Willoughby
 Hills
 James Francis Racher, Upper Arlington
 Blake N. Radcliffe, Mt. Victory
 Ty Allen Ramsower, McCutchenville
 Gary Dean Rancel, Elida
 Timothy E. Reid, North Royalton
 Mary L. Renner, Westerville
 Teresa Lynn Reuter, Westerville
 Paul Anthony Riedinger, Gahanna
 Amy Jo Rieff, Oak Harbor
 Todd James Ritzler, Fostoria
 Daniel Shore Robins, Columbus
 Heidi Kay Rollins, Liberty Center
 Donald Thomas Rothgery, Elyria
 Christopher John Rowland, Worthington
 Gail Leslie Ruben, Akron
 Guy M. Ruwe, Troy
 Steven Louis Salemi, Lyndhurst
 Christopher Malcolm Sayre, Cincinnati
 Linda Marie Scherman, Columbus
 Timothy Scott Schlachter, Toledo
 John Robert Schwendenman, Columbus
 Kevin E. Scott, Bath
 Michael Patrick Scott, Worthington
 Curtis Lee Shaffer, Kent

David Brian Shafron, South Euclid
 Brenda Jean Shannon, Columbus
 Sherien Sharaf, Westerville
 John J. Shevlin, Columbus
 Sharon Lynn Shiffer, Chardon
 Charles Mouchul Shin, Columbus
 Steve Alan Siefing, New Weston
 David Lance Siler, Hilliard
 Patricia Ann Sirb, Amherst
 Mary Katherine Smith, Jeromesville
 Robert Leslie Smith, Steubenville
 Allison Faye Sommers, Westerville
 Patrick Edward Spence, Toledo
 Phillip Jeffrey Spring, Columbus
 David Allen Stahler, Chesterland
 Dag Stensby, Columbus
 Richard A. Stinson, Columbus
 Scott Andrew Strutner, Columbus
 Timothy John Suess, Cincinnati
 Kathleen A. Sutherland, Niles
 Susan Kay Sybert, Lima
 Siaw Hui Tan, Singapore, Singapore
 Gregory Allen Tantari, Toledo
 William Scott Taylor, Columbus
 David Andre Thaeler, Mentor
 James J. Thomas, North Canton
 Mary Pat Tillman, Springfield
 Richard Charles Torgerson, Sagamore
 Hills
 Lily Toy, Cleveland
 Kerry Robin Truckly, Heath
 Joyce Ann Turner, Fort Loramie
 Kenneth Andrew Turner, Columbus
 Douglas J. Uhlenhake, Newark
 Diana Lynn Unterzuber, Bellaire
 Ali Khan Vardag, Karachi, Pakistan
 Lawrence Will Venetta, Warren
 Laura Elizabeth Walen, Powell
 William B. Walker, Shaker Heights
 Michael Hamner Walter, Columbus
 Allen Douglas Wandle, Mt. Vernon
 Jeffrey Ray Ward, Lima
 Miriam Faye Warm, Cincinnati
 Christopher Michael Watson, Columbus
 Timothy C. Weithman, Worthington
 Myeong O. Wellington, Columbus
 John Robert Wells, Mt. Vernon
 Daniel B. White, Worthington
 Vincent Robert Wilkins, Newark
 Kelly J. Willer, Columbus
 Richard Randolph Willison, New
 Lexington
 Jack Alan Wisman, Columbus
 William Marvin Wolff, Toledo
 Michael F. Wood, Cleveland
 Robert Anthony Wood, Cincinnati
 Danny E. Wray, Jr., Shelby
 Lisa Ann Wright, Greenville
 Felix Wai-Lap Yan, Hong Kong
 Benjamin Yip, Honolulu, HI
 Karen Sue Young, Columbus
 Diane Kay Zeigler, Troy
 John Paul Zimmer, Columbus
 Lisa Angela Zito, Seven Hills
 David Matthew Zobrist, Dayton

College of Education

Dean: Donald P. Anderson

Bachelor of Science in Education

Renee Joanne Abbey, Medina
 Melissa Stephens Ashbaugh, Lexington
 Cathy L. Ault, Galion
 Ahmadu Abubakar Baba, Bauchi, Nigeria
 Deborah Lynn Bain, Cincinnati
 Jacqueline Baishanski, Columbus
 Ann Kathleen Bange, Hamilton
 Dave William Beaudin, Winnipeg,
 Manitoba, Canada
 Janet Jones Benedict, Columbus
 Relva Jean Blackstone, Hilliard
 Sandra M. Bolzentus, Columbus
 Michelle Lynn Bowers, Columbus
 Vicki L. Bowser, Columbus
 Ann Mary Bracale, Beachwood
 Robert Eugene Branch II, Columbus
 Robert Louis Brinkman, Fort Jennings
 Kerry Beth Buckholz, Middleburg Heights
 Tina Louise Buckmaster, Napoleon
 Scott Edward Clines, Euclid
 Dianne Louise Coffy, Carrollton
 Barbara Lee Crase, West Union
 Danny Charles Crawford, Jr., Minerva
 Kimberly Sue Cummings, Baltimore
 Alice Gail Day, Columbus
 Scott Arthur Dempsey, Columbus
 David Paul Denman, Marion
 Kathryn Edna Dent, North Canton
 Maureen Kay Derbyshire, Lima
 Sally Jane Drake, Granville
 Donna Jean Driskell, Batavia
 Deane Lynn Dyke, Westerville
 Susan Lynn Eisenmann, La Grange
 Loren Scott Ferguson, Grove City
 Lisa Kay Gibson, Plain City
 Kellie Jo Goffena, Fort Myers
 Michael A. Guess, Columbus
 Kimberly Anne Hall, Oreland, PA
 Nancy Cheryl Hall, Heath
 Howard Vincent Hartman, Largo, FL
 Mildred Faye Henderson, Shiloh
 William Keith Henning, Columbus
 Roberta Mae Herd, Sunbury
 John Thomas Hogston, Columbus
 Dean Robert Hoover, Columbus
 Mark Edward Johnson, Mansfield
 Deborah Anne Kaufman, Columbus
 William Blake Kindie, Alger
 Colleen Therese Kinney, Strongsville
 Kelly Baker Kralik, Marysville
 Sheila Kathryn Leaf, Mansfield
 Monica Antonia Linson-Fillmore,
 Cincinnati
 Peggy Jo MacWood, Columbus
 Christopher Robert Maisenbacher,
 Columbus
 Barbara Ellen Marte, Delaware
 Marti Elnora McGuffin, Dublin
 David Edward Metzger, Shelby
 Bradley J. Miller, Greenwich
 Rodney Dean Miller, Reedsville
 Lisa Marie Mohos, Middleburg Heights

Stacy Ann Moore, Mansfield
 Rebecca Joann Murray-Beck, Lowell
 Cheryl Ann Myers, Columbus
 Karen Marie Nadolson, Hebron
 Edith Ann Newell, Columbus
 Melanie Rose Nixon, Lima
 Julie Ann O'Bryan, Columbus
 Jennifer Lynn Ormsby, Columbus
 Nina Sue Owens, West Lafayette
 Shawn Fitzgerald Parker, Columbus
 Marc Evan Parsley, Canal Winchester
 Kathleen Ann Patterson, Hilliard
 Christine Marie Payne-Butler, Danville
 Rita Joan Phillips, Columbus
 Carmela Kay Pickens, Galion
 Maria Sheridan Pietila, Waverly
 Gregory James Plymale, Grove City
 Karen Ann Randall, Columbus
 Mary Teresa Ranke, Columbus
 Bret Jay Ray, Carrollton
 Martha Louise Reber, Upper Sandusky
 Patricia Mary Rieser, Columbus
 Lisa Beth Rinehart, Mt. Gilead
 Edwin Lee Roberts, Wilmington
 Ann Marie Salle, Columbus
 Linda P. Season, Columbus
 Michael Glenn Seiple, Willard
 Jay K. Shaffer, Lakeside
 Danladi Mwona Shazaki, Bauchi, Nigeria
 Douglas Wayne Short, Marion
 Richard James Simpson, Marietta
 Jacqueline Jeanne Smudz, Medina
 Marcia Jane Snavelly, Lexington
 Pamela Ann Spears, Thornville
 Michael Howard Strong, Hamilton
 Brenda Lyn Sweeney, New Albany
 Pamela J. Swert, Shelby
 Paula Jean Swick, Spencerville
 Rowland Sol Tatum, Inglewood, CA
 Angela Lorraine Tura, Pepper Pike
 James Giffen Walker, Columbus
 Franklin Eugene Wall, Columbus
 Karla Justine Warner, Carrollton
 Deborah Ann Weber, Mansfield
 Catherine Suzanne Wenning, Medina
 Cynthia Susan Whitney, Westerville
 Sandra Jean Whittington, Prospect
 David Stanley Wight, Wellington
 Michael Edward Wilson, Mansfield
 Molly Ann Young, Lancaster
 Linda Zahrndt, Granville
 Bradley Paul Zubovich, 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 the College of the Arts.

College of Engineering

Dean: Donald D. Glower

Bachelor of Science in Aeronautical and Astronautical Engineering

Thomas Russell Bennett, Columbus
 Michael James Corrigan, Solon
 Steven Scott Dean, Circleville
 William Douglas Thomas, St. Clairsville
 Russell J. Woeste, Bellbrook

Bachelor of Science in Agricultural Engineering

Thomas M. Anzalone, Chautauqua, NY
 Leopoldo Jose Becerra Vera, Caracas, Venezuela

Bachelor of Science in Aviation

Nicholas Arnold D'Ercole, Midlothian, IL
 Hai Hoang Do, Columbus
 Steven Michael Kirchmyer, Buffalo, NY
 Markson Richard Pansing, Delaware
 Jorge D. Polo, Lima, Peru
 Gregory Allen Rehard, Perrysburg
 Wisnu Bharata Waloejo, Jakarta, Indonesia

Bachelor of Science in Ceramic Engineering

Charles Lee Branch, Gahanna
 Todd Eugene Smith, Bucyrus
 Michelle White, Forsyth, GA

Bachelor of Science in Chemical Engineering

Daniel Lee Fullenkamp, Celina
 Daniel Brian Hartley, Rochester, NY
 Richard Alan Kelch, Newark
 Dallas Brian Noe, Shelby
 Jerry Lauren Rogers, Kenton
 Richard Paul Wagner, Cincinnati
 Jonathan Alan Wiseman, Pedro

Bachelor of Science in Civil Engineering

David Eugene Bame, Proctorville
 James Charles Block, Worthington
 Troy Kevin Branson, Chillicothe
 David Ulises Franco, Olmsted Falls
 Jeffrey Alan Holbrook, Columbus
 Nik Rahimi, Kamaluddin, Kelantan, Malaysia
 Charles J. Kiner, Columbus
 Jeffrey Alan Lackovic, Library, PA
 Cheng-Chuen Lim, Singapore
 Stacy Marie Manolakas, Farmington Hills, MI
 Kathyleen Marie Paré, Dover, DE
 Robert Conrad Schreiner, Lakewood

Bachelor of Science in Computer and Information Science

Cheuk Wah Chan, Hong Kong
 David Alan Ellis, Newcomerstown
 Nancy Tung Kwan Eng, Columbus
 Stephen Thomas Falk, Lima
 Karen Louise Fulkerson, Troy

Scott Gerard Grubenhoff, Berea
 Thomas Floyd Harris, Columbus
 Kirt Matthew Henkel, Euclid
 William D. Henningsen, Bay Head, NJ
 Keith Allan Hocter, Dublin
 Dean Edward Jenkins, Parma
 Vidyaranya Kavita, Hospet, India
 Robert Allen Kucera, Chagrin Falls
 Craig Allen McNutt, Fairview Park
 Kermit Nelson Morse III, Marysville
 Khee Tai Ng, Singapore
 Gustavo Adolfo Pico, Bucaramanga, Colombia
 Jeffrey Robert Sherota, Columbus
 Charles Edward Shriver, Columbus
 Matthew David Smith, Columbus

Electrical Engineer

Majid Ali Khan, Columbus

Bachelor of Science in Electrical Engineering

William W. Allen, Santa Barbara, CA
 Ana Amicarella, San Cristobal, Venezuela
 Michael Andrew Anderson, Cleveland
 Keith Allen Bailey, Columbus
 Allan Berry Barlow, Wexford, PA
 John Thomas Bartucci, Stow
 Jonathan Earl Bentley, East Liverpool
 Mee Lun Chau, Columbus
 Yuan-Hsiang Chiao, Taipei, Taiwan, R.O.C.

Thomas Michael Chirumbole, Orrville
 Lih Meng Chow, Kuala Lumpur, Malaysia
 Matthew John Englehart, Brook Park
 John Mandouh Girgis, Columbus
 Lawrence William Griffis, Crestline
 Jeffrey Lynn Hillis, Somerset
 Timothy David Kaiser, Xenia
 Ziad Hisham Katabi, Damascus, Syria
 John Matthew Landry, Kent
 David Russell Lazarony, Jr., Sandusky
 Ross Boyd Leavens, Iberia
 Deron Craig Littlejohn, Troy
 David Clyde Looney, Springfield
 Susan Marie Marusha, Chardon
 Divyesh Chandrakant Mehta, Bethel Park, PA
 Mohammad Reza Moghadassi, Shiraz, Iran

Marc Lane Monnin, Olmsted Falls
 David Bruce Murray, Canfield
 Joel Lewis Nash, Gahanna
 Truong Xuan Nguyen, Columbus
 Vinh Xuan Nguyen, Columbus
 John Alvin Nye, Trinway
 Kenneth Benjamin Pepera, Middleburg Heights

Anthony Joseph Ricker, Dayton
 Joseph Anthony Saggio, Jr., Westlake
 Richard Robert Sating, Lakewood
 Kenneth Alan Smith, Mansfield
 Daniel Joseph Stevenson, Columbus
 Thomas George Stoll, Cleveland
 Kurt Allen Strickler, Ontario

Seng Kee Tan, Singapore
Dante Antonio Ventresca, Columbus
Christopher Craig Walls, Columbus
Michael John Wellington, Granville
Deirdre Lee Wenzel, Columbia Station
Kam-Shing Yu, Columbus

Bachelor of Science in Engineering Physics

James Howard Burge, Cincinnati
Timothy Mark Winkler, Heath

Bachelor of Science in Industrial and Systems Engineering

Timothy Scott Curtis, Canton
James Walter Curski, Mansfield
Linda Lee Henry, Apple Creek
Jeremy Brant Johnson, Lakewood
John Charles Lasch, Glenwillow
Hengkie Liwanto, Jakarta, Indonesia
Juan Manuel Llana, Grandview
Dianne Clare Luebering, Cincinnati
James Peter Mitchell, Marietta
Diane Marie Schur, Parma
Dawn Aleese Ward, Alexandria, VA

Bachelor of Science in Mechanical Engineering

Peter Andonellis, Mytilene, Greece
Virgil Ray Barnes, Pleasant Plain
Robert Joseph Benkowski, Worthington
Michael James Coffy, Carrollton
Bruce Martin Czwakiel, Beaver Creek
Todd Martin Fullenkamp, Fort Recovery
Christopher Carl Hutras, Dover
Chris Konstantacos, Canton
Thomas Michael Krivanek, Parma
Michael Andrew Lauer, Beaver Creek
Sally Anita Lee, Cincinnati
Keith Martin Mantey, Cincinnati
David Jeffrey Page, Kingsville
Eric Daniel Ramseyer, Marshallville
Gregory David Schilling, Galion
John George Schimpf, Jr., Cincinnati
Roman Anthony Schwieterman, Middletown
Teck Kong Sng, Singapore
Timothy Alan Snyder, Marion
Jon Alan Tinapple, Galloway
Michael James Turanchik, Glen Rock, NJ
Robert William Zesch, Cincinnati

Bachelor of Science in Metallurgical Engineering

Alan W. Gibson, Wintersville
Alexander Stephen Reid, Canton
Brett Allen Young, Glenmont

Bachelor of Science in Welding Engineering

Mark Allen Abram, Galena
Kent Edward Blackmon, Columbus
Anthony M. Cox, Vandergrift, PA
Daniel Edward Day, Bellefontaine
David Jonathan Keck, Fairfield
Walter Kent O'Dell, Springfield

School of Architecture

Bachelor of Science in Architecture

Shane Milan Chandler, Beverly
Kristine Marie Russell, Xenia
Bryan Charles Sanbury, Elyria
Brian Joseph Sell, Galena
Joaquin Serantes, Miami Beach, FL
Juli Allen Stubbs II, Gahanna
Brian Michael Szuch, Rocky River
Thomas Joseph Tremper, St. Henry
Rebecca Rose Weisenthal, Montclair, NJ

Bachelor of Science in Landscape Architecture

Gayle Anne Kluener, Cincinnati
Debra Lin Metzger, Columbus
Judith Allary Vargo, Niles

College of Home Economics

Dean: Lena Bailey

Bachelor of Science in Home Economics

Lynn Michele Anderson, Columbus
Joy Elaine Aveni, Lyndhurst
Julie P. Bartick, Lorain
Linda Lou Borelli, Columbus
Juli Diane Brannon, Newark
Janice Marie Bucher, Bay Village
Toni Castricone Cheek, Worthington
Tonya Lynn Clawson, Harpster
Michelle Yvonne Cline, Westerville
Lee Ann Connor, Columbus
Elizabeth C. Cothorn, Toledo
Ann Louise Doty, Lynchburg
Marilyn Denise Dougherty, Mt. Vernon
Barbara Jo Farrell, Warren
Susan Ann Federspiel, Cincinnati
Gina Erna Gabriele, Lima
Theresa Lorraine Gardner, Columbus
Marcy Ellen Goldenberg, Columbus
Lisa Marie Grasso, Lorain
Thomas Paul Huenke, Columbus
Mary Maureen Irwin, Lima
Joan Elizabeth Italiano, San Francisco, CA
Jill Lyn Jones, Akron

Carrie A. Kmet, Tallmadge
Debra Ellen Laub, Columbus
Regina Collette Lewis, Mayfield Heights
Tina Marie LoBianco, Lima
Katherine Schromm Lopez, Columbus
Karen Alison Low, Dayton
Laurie Renee Lyons, Columbus
Scott B. McDonald, Tipp City
Mary Elizabeth Merullo, Columbus
Melissa Jean O'Neil, Columbus
Rita Marie Origaro, Worthington
Michael George Petrosky, Columbus
Kathleen Ann Pierson, Columbus
Lisa Valerie Radkin, Kensington
Anne Maria Rizzutti, Columbus
Stacey Anne Rollins, Toledo
Maria Dolores Salmon, Columbus
Kathi Lynn Saylor, Greenville
Catherine Mary Scary, Columbus
Susan Marlene Schaefer, Cincinnati
Tracy Marie Schenerlein, Columbus
Jane Ford Schnackel, Canton, MI
Dina Demetra Skelley, Urbana
Dana Jay Smith, Columbus
Johanna Elizabeth Smith, Circleville
Janet Lynne Snively, North Canton
Angela Dawn Spencer, Worthington
Karmen DeNize Stewart, Lima
Rebecca Ann Stoppelman, Dayton
Sue Ann Stuckey, Upper Sandusky
Susan Kaye Thompson, Lima
Mary Ann Van Maele, Columbus

Bachelor of Science in Hospitality Management

Julie Marie Goddard, Cincinnati
Jay Scott Grate, Huron
Thomas Lee Grice II, Columbus
Cynthia Sue Mercer, Bowerston
Jeanne Mushahwar, Strongsville
John N. Presutti, Columbus
Lisa Jean Yeomans, Columbus

Bachelor of Science in Restaurant Management

Steven Michael Sand, Canton

College of Law

Dean: Francis X. Beytagh, Jr.

Juris Doctor

Jeffrey Middleton Basnett, Columbus B.A. (Howard University)
Jean Marie Brandt, Parma B.A. (Cleveland State University)
William Lewis Brown, Jr., Dayton B.A. (The College of Wooster)
Beverly Jane Corner, Columbus B.A. (Cornell College)

Mary Elizabeth Gill, Reynoldsburg
B.A. (University of Cincinnati)

Diana Kay Harkness, Dublin
B.A.

Randall James Imwalle, Columbus
B.A. (University of Dayton)

Verdeil Laverne Jordan, Columbia, SC
B.S. (University of South Carolina)

Suzanne Ellen Mohr, Portsmouth
B.Phil. (Miami University)

Suzanne Marie Stasiewicz, Columbus
B.A. (Ohio University)

Robert James Thomas, Van Wert
B.S.

Marci Renee Weston,
B.A. (University of Akron)

College of Medicine

Dean: Manuel Tzagournis, M.D.

Doctor of Medicine

Paula Anne Harvan, Lyndhurst
B.A. (John Carroll University)

Allison Lee Oldfield, Akron
B.S.E.E.

School of Allied Medical Professions

Bachelor of Science in Allied Health Professions

Tamblын Benton, Mt. Gilead
Susan Ellen Davis, Reynoldsburg
Elizabeth Ann Howell, Lima
Darla Elizabeth Kaikis, Gahanna
Cheryl Lynn Kelly, Dayton
Patricia Lynn Ludwig, Centerville
Joseph Paul Osenni, Columbus
Julianne Plocica, Concord Township
Robin Lynne Rhodes, Lancaster
Kim Marie Rice, Canton
Donna Lynn Rinaldi, Wickliffe
Larry Lee Schifer, Bucyrus
Geraldine Lee Urse, Columbus

Certificate of Post Baccalaureate Medical Technologist

Lisa Ann Emrich, Austintown

College of Nursing

Dean: Carole A. Anderson

Bachelor of Science in Nursing

Barbara Jean Colavincenzo, Clyde
Elizabeth Audrey Edgar, Sylvania
Jeanne Royann Green, Zanesville
Sharon Ann Hoover, Marion
Chung Ying Kwo, Taiwan, R.O.C.
Charlotte Rose Luppino, Cleveland
Annette Sue Newman, Columbus
Julie Ann Otto, Huron
Anne Marie Pelini, Youngstown
Melanie Pepper-Greenberg, Columbus
Christopher Jeffrey Phillips, Columbus
Cynthia Matney Stone, Galena
Cynthia Diane Warden, Worthington

College of Pharmacy

Dean: Albert H. Soloway

Doctor of Pharmacy

Paul E. Michaels, Independence

Bachelor of Science in Pharmacy

Christopher Jon Bracale, Beachwood
Maria Trease Drabczyk, Hudson
Ali Mouhamed El-Jazzar, Tripoli, Lebanon
Julie Rebecca Faust, Canton
Barbara Elizabeth Grajzl, Chesterland
Diane Yuki Ishida, Columbus
Brian Philip Missler, Willard
Man Wai Thomas Pang, Hong Kong
Thomas William Schulte, Wapakoneta
Tanya Lynne Sfeir, Lorain
Sondra Lynn Smith, Fairview Park
Joni Alice Windesheim, Columbus

College of Social Work

Dean: Richard E. Boettcher

Bachelor of Science in Social Work

Jill Lurie Knisely-McKellop, Marion

College of Veterinary Medicine

Dean: Ronald A. Wright

Doctor of Veterinary Medicine

Carolyn Susan Pomeroy, Cincinnati
B.S. (Ohio Northern University)

Graduates with Honors

Criteria for graduating 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.

Summa Cum Laude designates those graduating in the top 3% of the class.

With Distinction in Anthropology

Deborah Lynn Moore

With Distinction in Metallurgical Engineering

Brett Allen Young

With Honors in the Liberal Arts

Jon David Chappelle

With Honors in the Liberal Arts and with Distinction in English

Grete Cunningham Young

Cum Laude

Stephen Andrew Allamanno
Hilary Marie Amling
Renée Louise Beauregard
Robin Marie Bennett
Joseph William Bettinger
Scott B. Blumenthal
Linda Lou Borelli
Vicki L. Bowser
Catherine D. Bozeman
Joan E. Campbell
Anthony Louis Capasso
Dianne Louise Coffy
Daniel David Coovert
Michael Alan Demana
Maria Trease Drabczyk
Sally Jane Drake
Daniel Robert Ebin
Robin Marie Eischen
David Alan Ellis
Joseph L. Erhart
Karen L. Ferry
Lawrence William Griffis

Tim James Haller
Katherine Theresa Heintel
William Keith Henning
Stephen Paul Hess
Keith Allan Hocter
Melanie Sue Howell
Mary Ellen Humenick
Jennifer E. Hunt
Kari Lynn Irvine
Cheryl Lynn Kelly
Kelly Baker Kralik
John Matthew Landry
Ross Boyd Leavens
Tian Hong Lim
Rissa Lynn-Patrick Long
Charlotte Rose Luppino
Joseph Frederick McCallister
Donald C. McElhane, Jr.
Robert Paul McMurray II
Rodney Dean Miller
Cheryl Ann Myers
David Jeffrey Page
Douglas Robert Potts
Gregory Allen Rehard
Kim Marie Rice
Linda Marie Scherman
Karen Joyce Schimpf
Linda P. Season
Brian Joseph Sell
John J. Shevlin
Karen Sue Smelko
Pamela Ann Spears
Thomas George Stoll
Kurt Allen Strickler
Siaw Hui Tan
Brenda C. Voshell
John Michael Wallach
Susan Marie Zelinski

**Summa Cum Laude with Honors in
the Liberal Arts**

Christina M. Antenucci
Susan Michelle Betz
Christopher P. Gilkerson

**Summa Cum Laude with Honors in
the Liberal Arts and with
Distinction in English**

Holly Ann Robinson

**Cum Laude with Distinction in
English**

Rosemary Virginia Hathaway

Summa Cum Laude

Thomas M. Anzalone
Stu Brian Bechtler
Jonathan Ames Bremer
Tina Louise Buckmaster
Connie Lee Cull
Matthew John Englehart
Stephen Thomas Falk
Anne Burrough Hazelton
Donald Edwin Longwell, Jr.
Gail Richards Miller
Cheryl Ann Myers
Truong Xuan Nguyen
Dallas Brian Noe
Mary L. Renner
Charles Edward Shriver
Kenneth Alan Smith
Pamela J. Swert
Linda Lee Tudico
Cynthia Susan Whitney

THE OHIO STATE UNIVERSITY
OFFICIAL PROCEEDINGS OF THE
ONE THOUSAND TWO HUNDRED AND THIRTY-SIXTH MEETING
OF THE BOARD OF TRUSTEES

Columbus, Ohio, December 3 and 4, 1987

The Board of Trustees met at its regular monthly meeting on Thursday, December 3, and Friday, December 4, 1987, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, pursuant to adjournment.

* * *
Minutes of the last meeting were approved.
* * *

December 3 and 4, 1987 meeting, Board of Trustees

The Chairman, Mr. Redman, called the meeting of the Board of Trustees to order on December 3, 1987, at 6:30 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: Edmund C. Redman, Chairman, Leonard J. Immke, John W. Berry, Shirley D. Bowser, Hamilton J. Teaford, John J. Barone, and Milton A. Wolf.

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Mr. Redman reconvened the meeting on December 4, 1987, at 10:15 a.m.

Present: Edmund C. Redman, Chairman, Leonard J. Immke, John W. Berry, Shirley D. Bowser, Hamilton J. Teaford, John J. Barone, and Milton A. Wolf.

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Mr. Redman:

Let's proceed, then, to the Committee reports. Mr. Wolf, in Mr. Kessler's absence, would you give us some report on the Development Fund?

Mr. Wolf:

I don't have any information because Mr. Kessler was expected here and unfortunately no documents or information was passed on to me.

Mr. Redman:

Perhaps we could have the report at the next meeting.

Mr. Wolf:

Certainly.

Mr. Redman:

The Research Foundation Board of Directors --

Mr. Barone:

Mr. Chairman, on the Research Foundation I wish to report that for the month of October, as shown in the agenda book, there are ninety-four (94) awards listed that will provide a gross income of \$7.3 million.

For the first four months of the fiscal year (July 1 to October 31) we received 442 awards with a gross income of \$40.2 million. This can be compared to the first four months of the last fiscal year in which we had 373 awards with a gross income of \$29.4 million. This represents a 36.89% increase in funding for the four month period. As reported last month, much of the

December 3 and 4, 1987 meeting, Board of Trustees

Mr. Barone: (contd)

large increase we experienced in the first quarter of the fiscal year was due to the timing of several large awards and to the slowness in processing awards by several agencies during the past fiscal year. These factors are now beginning to "wash out" and some areas of solid growth may be seen including the Department of Health and Human Services, the State of Ohio, and the Industrial sector.

Some of the highlights of the awards for October are as follows:

- * a \$1.3 million award from the Department of Health and Human Services, National Institutes of Health, to Professor Robert J. Fass of the Department of Internal Medicine to support a clinical study group on the AIDS problem.
- * a \$639,000 award from the Department of Health and Human Services, National Institutes of Health, to Professor John H. Rinehart of the Department of Internal Medicine to conduct clinical trials in the area of immunotherapy.
- * a \$223,000 award from the Department of Education to Professor Joseph J. Quaranta of the Department of Educational Theory and Practice to conduct an inservice training program for elementary and secondary school/university staff aimed at developing programs for alcohol and drug free schools.

These, of course, are only a few of the awards received by University faculty. Anyone may consult the full listing provided in our agenda books or you may get one from Mr. Tom Sweeney.

That concludes my report, Mr. Chairman.

Mr. Redman:

Thank you, Mr. Barone. It is indeed impressive.

Mr. Barone:

I might add that the AIDS program has created a tremendous amount of publicity in the medical field. We feel that this award to Ohio State is most beneficial and has given us national attention. Under the guidance of our good friend, Dr. Tzagournis, these things, I know, will be very productive and are in able hands.

Mr. Redman:

Thank you, Mr. Barone. I would like to have a report now on the University Hospitals Board. Mr. Immke or Mrs. Bowser --

Mr. Immke:

I don't have any information to report to you at this time.

December 3 and 4, 1987 meeting, Board of Trustees

Mrs. Bowser:

No, there wasn't a meeting last month.

Mr. Redman:

Well, I would like to make a report, if I may -- one in which I take great interest and only because I have paid some personal attention to some particular problems. I did want to report to the Board that I met with the Committee on revising our billing procedure yesterday, with Dr. Senhauser, the members of his Committee, and Dr. Tzagournis. I think it was an excellent meeting in that the physicians seemed to accept the Board's approach that this was beneficial to all parties, including the physicians themselves. At the request of former Trustee, Mr. Jack Havens, we had a consultant from Cleveland report to the Committee and discuss in detail answers to questions which were of concern to the physicians. I was impressed with this gentleman and I think the Committee was impressed, as well.

One of the comments which he made was that if he was engaged to undertake this, which is a simplified billing procedure -- to take care of Mr. Teaford's requirements -- that it could be done and be implemented within 90 to 120 days. This would, indeed, be expeditious. He claims that he may be able to do this based upon the fact that they have sophisticated computer hardware in their office in Cleveland, on which they have already spent \$3 million and they intend to expand that. He is confident that what we have here is an accounting problem and that they have the solution. Presumably we will move forward and get that underway.

I don't know whether Mr. Covert is here or not -- is Mike Covert here?

Dr. Tzagournis:

I'm here, Mr. Chairman. If there is anything I can answer, I would be happy to.

Mr. Redman:

Well, I was impressed with Mr. Covert's statement on the helicopter. Would you want to address that?

Dr. Tzagournis:

The helicopter is quite busy. The last figure I heard was that in the first month of its operation it made 41 runs, more than one run a day. It has taken patients to Children's Hospital, Mt. Carmel, St. Anthony, and University Hospitals.

Mr. Redman:

So, we are off and running?

Dr. Tzagournis:

Yes.

December 3 and 4, 1987 meeting, Board of Trustees

Mr. Teaford:

I think, too, as I understand it, that the vast majority of patients came to University Hospitals.

President Jennings:

I think the number was 26.

Mrs. Bowser:

Twenty-six out of 41 -- and they can fly in certain inclement weather. I live outside of Franklin County and that helicopter is important to those of us who live in surrounding areas. It is very important that you have a helicopter that can service those areas in bad weather conditions. I don't know much about airplanes, but as I understand it, helicopters are well equipped to do that.

Mr. Redman:

How many pilots, Dr. Tzagournis, do we have?

Dr. Tzagournis:

Two.

Mrs. Bowser:

Two. Two mechanics and a stand-by engine.

Mr. Redman:

That is about all I have to report on. Can we have a report on the University Foundation?

Mr. Teaford:

Once again, Mr. Chairman, the Foundation meets only in September and April. I told you about September, and I will tell you about April.

Mr. Redman:

Thank you, Mr. Teaford. That then completes the Committee reports.

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Mr. Redman:

I would like to call on Dr. Russell Spillman to introduce Patrick Haney, a senior in Political Science, and Parul Kapadia, a sophomore in Psychology/Pre-Medicine, to talk about the Honors Program.

Dr. Spillman:

Mr. Chairman, Members of the Board, and President Jennings, I am

December 3 and 4, 1987 meeting, Board of Trustees

Dr. Spillman: (contd)

very pleased to present these two members of our Honors Program, Parul Kapadia and Patrick Haney, who I think will have a fine presentation on our Honors Program.

Mr. Patrick Haney:

Dr. Jennings and Members of the Board, it is an honor to speak to you here this morning about the kinds of things that are going on in the Honors Program. I would like to take just a few minutes to share with you the kinds of opportunities that are available to students at The Ohio State University and Honors, from my own perspective as I look back on the last three and half years here at Ohio State.

The first thing that I would like to talk to you about is the Honors courses as an example of a way to shrink the University and promote both breadth and intensity. In my own experience I have taken Honors courses in my major field of study, political science, that have enabled me to work with just a few students and a faculty member intensely on an area of interest. I have also taken Honors courses in social sciences and the liberal arts that have enabled me to take classes in classics, comparative studies, English, and so forth with a small number of students and a faculty member. It also enables us to interact more -- students interact with faculty, and in my experience it has produced a quarter full of work that I am much more proud of and much more excited by than any other courses that I have taken at the University. Incidentally, just last night our English class met at my professor's house and had our last class and then watched movies of some of the books that we had been reading. We watched "The Picture of Dorian Gray" last night, which with the weather and everything made for quite a depressing evening.

Another opportunity in Honors is the Honors House. The old Presidents' house on Twelfth Avenue was recently renovated and is now the home of the University's Honors Center. The Honors House is an area for students to come and study, to lounge, and also an area for student organizations to have meetings. I know that a couple of you have been by the house -- Mr. Teaford, I enjoyed having lunch with you; and Mrs. Bowser, I understand that you've been there, and I would like to invite all of you to come by Honors House, as well.

Other opportunities for students in Honors, and also at the University at-large that I've experienced, has been a trip to West Point for a National Security Conference. The Student Council on U.S. Affairs is at West Point every November, and I had the opportunity to go to this Conference -- it was less than two weeks ago. I sat at the arms control round table. There were 165 students from 115 schools and about 50 cadets at West Point taking part in the Conference. Our round table focused on issues of arms control, especially as arms control now goes into

December 3 and 4, 1987 meeting, Board of Trustees

Mr. Haney: (contd)

a new phase seeking reductions in both the strategic forces and theatre forces, and also the SDI debate.

I am also working on a senior honors thesis. The senior thesis, as I see it, will be a culmination of my work here at the University. My thesis deals with the farewell address of President Eisenhower. The address in which he warned the American people about the trends of the military industrial complex and the scientific technological elite. My focus and my thesis is on why did a General give such an address. In this way I hope to find out both the historical context and, more importantly, the physical writing of the address -- how it was drafted, what changes took place. In an effort to do this I will be traveling to the Eisenhower Library in Abilene, Kansas, the second weekend in January to do research on the President's papers and on other peoples' papers. I've been in contact with the speech writer's family and I will be working with his papers at the University of Minnesota. I will also be going to Johns Hopkins where there are some other papers that the President wrote, as well. My hope at the end of this project is to put together a piece of archival primary research on why this address was given. I hope it will illuminate the question of the types of forces that take place in a political economy. And for us to look at -- perhaps the President wanted to look at politics in a new way, a way that enlarged a pluralistic vision of our society, to say that there are more forces at hand here than simple democratic forces or simple elitist forces.

In and out of the classroom my experience in Honors has been one that has helped me strive towards a high level of achievement. As I enter the crunch of finals week, I now start to get my application materials together for graduate school. It is both a hectic time and one that I wish would be over, but one that I think once I am in graduate school, I will look back on fondly and remember the times at this University and the opportunities that I have had: I had lunch with Mr. Teaford, and spoke with the President and the Provost earlier in the week, and to be with you today. These times have helped me to grow and will enable me to represent the University and myself with a very high standard in graduate school and in my profession. Thank you.

Mr. Redman:

Thank you, Mr. Haney. And now, Parul Kapadia.

Ms. Parul Kapadia:

Mr. President, Dr. Jennings, and Members of the Board, I will be providing a slightly different perspective on Honors, maybe a younger perspective, focusing more on the first year and beginning in the Honors Program.

When I think about a word that I could use to characterize my experience in the Honors Program thus far, the word opportunity

December 3 and 4, 1987 meeting, Board of Trustees

Ms. Kapadia: (contd)

is the one that comes to mind. When I first came to Ohio State, many people warned me or cautioned me about how I would feel like just a drop in the bucket, I'd feel like just one of a crowd and be kind of lost. I am happy to say that I can't think of one time since I've been here that I've ever had that feeling of being lost or just being known by my social security number (which took me a while to memorize). But I think one of the reasons I've never felt this way is because of the Honors Program at Ohio State. My first quarter here I was enrolled in the Honors calculus series. I had an excellent professor, who will probably turn out to be one of the best that I will have at Ohio State. It was a small class, and he created an atmosphere in the class that made us very comfortable. We felt free to ask questions, to question him, to suggest different approaches, and also to just raise our hands and say, "Wait, we are completely lost, can you back up?" I think that is something that is very important in a class and it was very similar to a high school class in that way. Also, because it was a small class, the students really got to know each other. And I think we almost created a support system amongst ourselves, as it was our first quarter at Ohio State. I made a lot of friends in that class, many of whom are good friends of mine now.

Something else that has helped me was living in the Honors dorm, Taylor Tower. While -- this eludes to the opportunity I spoke of earlier -- the academics and the Honors courses provided a challenge academically, Taylor Tower gave me the opportunity to become involved in different activities in student life, in terms of Honors. When I first came to Taylor Tower, I went through orientation and I got involved and signed up for an organization called the Honors Community Association, of which Pat is President this year. This year I am heading up a program which I am very excited about. It is a pilot program this year, but I feel that if we can make it big, it can eventually become somewhat of a recruitment tool for the Ohio State Honors Program. It involves pairing incoming freshman Honors students with upper classman. It is a big brother/big sister type of support program which might give students advice on their major, help them with scheduling, and all sorts of little things that are new to them when they first come to college.

I am very excited about this program. It provided me with yet another opportunity this past October when I had a chance to travel to Dallas for the National Collegiate Honors Council Annual Convention. We went there to present this particular program as a beginning program at Ohio State and also to present the Honors Community Association. We gave that presentation and it went very well. I feel that I got a lot of ideas back from that Conference on how I can expand the program next year, how we can work to make it bigger and better, and I think we were also able to give some ideas to other schools. The Conference was a unique experience for me because I was exposed to Honors students from all over the country -- that was very fascinating. I also had never been to Dallas, so that was a nice trip.

December 3 and 4, 1987 meeting, Board of Trustees

Ms. Kapadia: (contd)

My academic course work has also led to other opportunities. It allowed me to be eligible for the Alpha Lambda Delta and Phi Eta Sigma Honorary Societies, the two organizations of which I am President this year. When I look in terms of future opportunities, I am a pre-med student thinking of majoring in psychology, and the vast resources of Ohio State's health sciences -- the medical school, the optometry school, all of the various health sciences schools, I am hoping I can take advantage of those opportunities and the benefits of having such vast resources right here at Ohio State. I'm hoping to become involved in some research over the summer, or possibly next year, in some of the laboratories, or possibly the neurology laboratory. I hope to get some lab experience and make sure that medicine is the field that I want to go into.

That pretty much summarizes how Honors has gone for me so far, I just hope everything continues to go as well as it did this past year.

Mr. Haney:

I think that if anyone of you had any questions about the Honors Program or about the Honors Societies, Parul mentioned that she is President of the Alpha Lambda Delta and Phi Eta Sigma, and I'm President of Mortar Board -- Dr. Jennings is an honorary member of Mortar Board, the National Seniority Society. Mrs. Bowser, are you a member of Mortar Board?

Mrs. Bowser:

Yes, and Alpha Lambda Delta.

Mr. Haney:

So if you have any questions about the Honors Program or about what is going on in the Societies, we would be happy to respond to those.

Mr. Berry:

May I ask a question? How many students are involved in the Honors Program?

Mr. Haney:

Currently the people designated as Honors Students at the University is somewhere between 2,000-3,000 students. A new University Honors Society was started last year. The Society began with this incoming freshman class, so now there will be an even more structured recognition and program for new Honor students. Right now it is between 2,000 and 3,000 students designated as Honors Students.

Mr. Teaford:

Mr. Chairman, as you know, it was at my suggestion that we have these representatives of the Honors Program here as a result of

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Mr. Teaforde: (contd)

having met with some of them. I find it a particularly good occasion for them to be here and I wish all those cameras were aimed there, because what we are hearing here is what Ohio State is about and what this administration is doing to make it the great university it is. It is not the reason why the members of the press came, but I hope that the Ladies and Gentlemen of the press will include a report on this when they report about the doings at Ohio State University.

Mrs. Bowser:

I would like to concur with this and I'm not sure whether it's the old President's house, or the President's old house, but it's certainly a tribute to the administration and to this University -- the renewal of belief in the really scholastically prepared students. That is a remarkable facility that Dr. Al Kuhn heads up. I urge all of you Board Members to just take some time and go over there, because it just sort of renews your whole faith in what we are doing here. It is a marvelous tribute.

Mr. Redman:

Thank you, Mrs. Bowser.

Mr. Scott:

I would like to make a comment about Pat Haney. I have followed his career for a long time. He is a St. Charles graduate. Pat was a truly outstanding student at St. Charles and I think that most observers would have predicted, at that time, that he was a youngster that we should watch. I know a little bit more about Pat than most of you, because my son, David, was a classmate of Pat's. I had anticipated and hoped that David would have had the wisdom to attend Ohio State, we didn't get David, but, Pat, we are very glad that we got you.

Mr. Haney:

Thank you, Mr. Scott. We did try our best to get David, as well.

Mr. Redman:

Is there any other comment? If not, thank you folks.

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NAMING OF BUILDING

Resolution No. 88-61

Synopsis: A name is proposed for the building on the Columbus campus at 2490 Fyffe Road, now described as the Multi-Sport Indoor Practice and Training Center.

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NAMING OF BUILDING (contd)

WHEREAS this Board has authority in naming of all buildings and structures at The Ohio State University, as set forth in paragraph (G) of rule 3335-1-08 of the Administrative Code; and

WHEREAS the building on the Columbus campus at 2490 Fyffe Road is currently described as the Multi-Sport Indoor Practice and Training Center; and

WHEREAS the multi-sport training facility symbolizes the University's continuing commitment to excellence; and

WHEREAS Wayne W. "Woody" Hayes was a part of Ohio State's tradition of academic and athletic greatness since 1951; and

WHEREAS his dedication to a broad and continuing education was an inspiration to students, faculty, staff, and the community; and

WHEREAS Woody Hayes's accomplishments as a teacher, an educator, and a great humanitarian were well known; and

WHEREAS the President recommended, with the concurrence of the President's staff, that the aforementioned building at 2490 Fyffe Road be named in honor of Woody Hayes:

NOW THEREFORE

BE IT RESOLVED, That hereafter the building at 2490 Fyffe Road shall bear the name "The Woody Hayes Athletic Center."

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

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PERSONNEL ACTIONS

Resolution No. 88-62

RESOLVED, That the personnel actions as recorded in the Personnel Budget Records of the University since the November 6, 1987 meeting of the Board, including the following Promotion, Relief from Assignment, Professional Improvement Leave, Professional Improvement Leave--Change of Dates as detailed in the University Budget be approved, and the Medical Staff Appointments/Reappointments approved October 29, 1987, by the Hospitals Board be ratified

Promotion

Name:	JAMES L. JONES
Title:	Athletic Director
Department:	Athletics
Effective:	November 16, 1987
Salary:	\$85,080.00
Present Position:	Senior Associate Director, Department of Athletics

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PERSONNEL ACTIONS (contd)

Relief from Assignment

EARLE D. BRUCE relieved as Head Football Coach in accordance with paragraph (5) of the agreement between The Ohio State University and Earle D. Bruce signed June 5, 1986.

Professional Improvement Leave

STEPHEN S. PINSKY, Professor, Department of Physics, effective Winter Quarter and Spring Quarter 1988.

Professional Improvement Leave--Change of Dates

JAMES E. HARF, Professor, Department of Political Science, change leave from Winter Quarter, Spring Quarter and Autumn Quarter 1988, to Spring Quarter, Autumn Quarter 1988 and Winter Quarter 1989.

Mr. Redman made the following statement:

Before I ask for a vote on the President's recommendation, I would like to read the following statement.

I think it is important for everyone to put the events of the past several weeks into their proper perspective. First and foremost is the recognition of the University's commitment to excellence in pursuing its mission of teaching, research and service. This is an educational enterprise dedicated to the common good. Institutional decisions are reached by critical evaluation over time with special attention being given to a multitude of possible concerns. Such was indeed the case recently with respect to the University's Men's Varsity Football Program.

The Board appreciates President Jennings's leadership in dealing with these matters and with the opinions expressed in reaction thereto. It is indeed difficult for many to have an institutional perspective regarding recent events. But it is the institutional perspective that must prevail -- the University's overall mission. Individuals must have a high regard for the institutional process at work. Indeed this vibrant educational institution is bursting with meritorious activities that are newsworthy and that far surpass any individual personnel changes. Much activity is occurring around us that benefits staff, the State and society in general. One need not look far across our topography to see building activity -- the new Cancer Research Institute, our new Supercomputer, the Wexner Center for Visual Arts, our state-of-the-art Chemistry Building, and many other renovations which support our mission. One could also see building, learning and shaping of minds going on all about us. Academic excellence in our graduate and undergraduate programs is what attracts young talented minds to study at this great university.

As our reach expands and our academic achievement multiplies, it is hoped that the media will continue to demonstrate the same

December 3 and 4, 1987 meeting, Board of Trustees

PERSONNEL ACTIONS (contd)

Mr. Redman: (contd)

quest for enlightenment that it has provided in covering the events of the past several days.

In any event, the institution moves forward, daily business is conducted and students continue to seek knowledge. Our University sustains its ongoing focus on excellence, maintains and supports its diversity and stands ready to meet the challenge and commitments inherent within our major research institution. These organizational values and traditions take precedence over the actions of individuals.

We cannot forget our fundamental mission which is to provide our students with the basic skills and competencies which they need to have in order to be productive members of society. That must be accomplished while also enhancing our research possibilities and our service mission. Accomplishing these goals and ambitions requires a shared sense of purpose and loyalty to the ideals which make The Ohio State University one of the great public universities in this nation.

Finally, we are very pleased today to confirm the selection of Jim Jones as the University's new Athletic Director. We are pleased to do this, in part, because of Mr. Jones's longstanding commitment to and understanding of The Ohio State University. He has earned the trust of his co-workers, the students, the administration and the community. It is hoped that with his leadership we can continue the traditions that have made the University great -- excellence in teaching, research and service.

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

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RESOLUTIONS IN MEMORIAM

Resolution No. 88-63

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.

N. Paul Hudson

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on April 13, 1987, of Dr. N. Paul Hudson, Professor Emeritus in the Department of Microbiology.

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RESOLUTIONS IN MEMORIAM (contd)

N. Paul Hudson (contd)

N. Paul Hudson was born in Lincoln, Illinois, on January 9, 1895. He held the degrees A.B., James Millikan University, 1917; Ph.D., University of Chicago, 1923; and M.D., Harvard Medical School, 1925. He also held the honorary degree Sc.D., James Millikan University, 1951. Dr. Hudson's distinguished university career included service as an Instructor and later Professor of Bacteriology at the University of Chicago; and as Professor and Chairman of Bacteriology, Dean of the Graduate School, Research Professor of Bacteriology and Assistant Dean of the College of Medicine at The Ohio State University.

Dr. Hudson served from 1927 to 1929 as one of the leaders of the West African Yellow Fever Commission of the Rockefeller Foundation, leading to effective control of this disease. From 1940 to 1941, he was Rockefeller Foundation representative in London for the War Health Program, and from 1943 to 1945, he was on leave to serve as a consultant to the War Department. For his distinguished service as a research scientist, teacher, academic administrator and public servant, Dr. Hudson was recommended for the honorary degree Doctor of Science. Upon his retirement in 1961, he was named Professor Emeritus.

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 an expression of the Board's heartfelt sympathy.

Jack L. Landes

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on November 4, 1987, of Jack L. Landes, Assistant Director Emeritus in the Office of Campus Planning and Space Utilization.

Dr. Landes was born January 28, 1914, in Oak Grove, Missouri. He entered Central Missouri State College in 1929, and in 1933 and 1934 received three baccalaureate degrees, in education, music and physics. During the ensuing 15 years, he served in public schools as a teacher and administrator, and completed requirements for and was awarded masters degrees by the University of Missouri and the University of Illinois, in 1943 and 1950, respectively.

Dr. Landes joined the Office of Field Services at the University of Illinois in 1949 and, while serving in an administrative capacity there for seven years, received the EdD in 1953, his 6th degree in higher education.

Dr. Landes came to The Ohio State University in 1957, after experience with the Cincinnati public school system helping to plan facilities to meet burgeoning school populations there. He became the Assistant Director of the Office of University Plant Studies -- later renamed the Office of Campus Planning and Space Utilization -- and had a major role in providing for increasing space needs during a period of substantial University growth. During his 22-year tenure, he was directly responsible for project planning for nearly 150 construction projects on the several campuses of The Ohio State University, representing almost

December 3 and 4, 1987 meeting, Board of Trustees

RESOLUTIONS IN MEMORIAM (contd)

Jack L. Landes (contd)

half of the 11 million gross square feet of space added to the campus during that time.

Dr. Landes was a member of a number of professional societies and held a faculty appointment in the College of Education with the rank of Associate Professor of Educational Administration. He retired and was named Assistant Director Emeritus.

In addition to his lifelong interests in education, music and planning, Dr. Landes was an avid and respected gardener who received much acclaim for the development of the property at his Columbus home. He was an enthusiastic participant in musical programs in his church as a tenor in the church choir, and was responsible for organizing the chorus at the Barber Roselea Senior Citizens Center in Columbus.

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in their 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.

Francis Willard McCoy

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on October 15, 1987, of Francis Willard McCoy, Professor Emeritus in the Department of Internal Medicine and former Director of the Division of Rheumatology.

Dr. McCoy was born on January 24, 1914, in Barberton, Ohio, where he spent the early years of his life. He attended The Ohio State University and was awarded a premedical Bachelor of Arts degree in 1936 and a Master of Science degree in 1938. Dr. McCoy attended medical school at The Ohio State University and was awarded the Doctor of Medicine in 1942.

Following medical school, Dr. McCoy completed internship and residency training at The Ohio State University, and received subspecialty training at Watkins Memorial Hospital in Kansas, as well as the Hospital for Special Surgery in New York City. He completed a research fellowship at the latter institution in 1955.

Dr. McCoy served in the U. S. Air Corps from 1943 until 1946.

Dr. McCoy began teaching in 1937 in the Department of Anatomy at The Ohio State University and later held a faculty appointment in the Department of Medicine. In 1970, he was appointed Director of the Division of Rheumatology, and he served in this capacity until 1978. In the early 1970's, Dr. McCoy was promoted to full professor. In 1981, after an illustrious career as Director of Rheumatology, Dr. McCoy retired from the faculty and was awarded the title Professor Emeritus.

Dr. McCoy was active in many local and state institutions and participated in a number of national organizations. He served as consultant to the Veterans Administration, as well as the U. S. Air

December 3 and 4, 1987 meeting, Board of Trustees

RESOLUTIONS IN MEMORIAM (contd)

Francis Willard McCoy (contd)

Force. Later in his career, he served as Acting Chief of Medicine at the Veterans Administration Clinic in Columbus, Ohio.

Throughout his life, Dr. McCoy maintained an active role in teaching medical students and other trainees. He is remembered for his constant readiness to help with clinical problems and to be of service to his colleagues at the University. He will be remembered for his gentle manner in dealing with patients and staff alike.

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in their 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.

Waldron Devol Sheets

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on October 31, 1987, of Waldron D. "Deve" Sheets, Professor Emeritus in the Department of Chemical Engineering.

Professor Sheets was born September 9, 1903, in Willow, West Virginia. He was a graduate of the Department of Chemical Engineering at The Ohio State University where he earned the professional degree of Chemical Engineer in 1940. He was a Major in the U.S. Army Sanitation Corps during World War II and retired from military service in 1946.

Professor Sheets was appointed as a Research Engineer in the Engineering Experiment Station in 1947, and as an Assistant Professor of Chemical Engineering in 1950. Upon his retirement in 1971, he was named Professor Emeritus.

Professor Sheets worked in the Water Resources Center Building in the 1930's, while a student, and continued there as Research Engineer during most of his career at Ohio State. He was instrumental in establishing the Water Resources Center in 1964, and the W. D. Sheets Sanitary Engineering Laboratory in the Center was dedicated in his honor at his retirement. His research was in the treatment of municipal and industrial wastewaters.

In 1948, he began a program of short courses at the University to train operators of water and wastewater treatment plants. By 1964, the demand for this training was so great that the Operator Training Committee of Ohio, Inc., was established off campus under his leadership. Last year over 2,000 operators throughout Ohio took these training courses. Professor Sheets received the Wendell La Due Citation from the Ohio Section of the American Water Works Association in October 1968, for his role in developing the "Manual for Water and Waste Water Plant Operators," a publication which became a model for the nation.

Just prior to his death he was elected to the Water Management Association of Ohio Hall of Fame, honoring those who have "given years of distinguished service in behalf of bettering water management in the

December 3 and 4, 1987 meeting, Board of Trustees

RESOLUTIONS IN MEMORIAM (contd)

Waldron Devol Sheets (contd)

State of Ohio." Professor Sheets's first graduate student presented this award.

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy. 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.

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

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REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS

Resolution No. 88-64

Synopsis: The reports on contracts, grants, and gifts and the summary for October 1987 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 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 and The Ohio State University Development Fund during the month of October 1987 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 OCTOBER 1987

Source	No. of Projects	Support Level
The Ohio State University Research Foundation	94	\$7,326,251.85
Engineering Experiment Station	33	596,375.00
Total	127	\$7,922,626.85

December 3 and 4, 1987 meeting, Board of Trustees

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

SUMMARY FOR OCTOBER 1987 (contd)

The Ohio State University Development Fund

Establishment of Named Funds

The A. Sophie Rogers Memorial Fund (To provide continuing support for The A. Sophie Rogers Laboratory for Child and Family Studies)	\$ 300,000.00
Mark L. Morris Veterinary Clinical Nutrition Research and Education Fund (To provide resources for clinical research and education in nutritional diseases of domestic animals)	\$ 250,000.00
The Flo C. and Merrill H. Amos Cooperative Extension Innovation Fund (To fund Innovative Cooperative Extension Service Programs at the county and state levels)	\$ 228,000.00
William S. and Marguerite C. Price Scholarship Award (To provide scholarship assistance for students majoring in French language and/or culture)	\$ 67,000.00
The Deloitte Haskins & Sells Accounting Professorship Fund (To provide a professorship in accounting in the College of Business)	\$ 60,000.00
The Clabaugh Glaucoma Research Fund (To support research with respect to the cure and treatment of glaucoma)	\$ 35,500.00
Crane Fund for Hispanic Studies (To support the instruction and research missions in the area of Hispanic studies)	\$ 25,000.00
The Gerry D. Guthrie Scholarship Award (Scholarship to the undergraduate or graduate student majoring in United States history who writes the best paper on the Civil War)	\$ 15,000.00
The Historic Costume and Textiles Collection Fund (To provide continuing support to the Historic Costume and Textiles Collection)	\$ 15,000.00

Change in Description of Named Fund

Alumni Scholarship Fund - The College of Social Work

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION

Report - October 1987

Federal Research Contracts/Grants

\$1,378,267.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Acquired Immunodeficiency Syndrome Clinical Study Group, Department of Internal Medicine (R. J. Fass), 30 September 1987 through 31 August 1988. (Project 766341 - New)

\$639,949.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Phase Ib Clinical Trial of Immunotherapy with Interleukin-2 Alone or in Combination with Adoptive Transfer of Cytotoxic Cells, Department of Internal Medicine (J. J. Rinehart), 30 September 1987 through 31 January 1989. (Project 766420 - New)

\$223,594.00 - Department of Education, Washington, D.C., Inservice Training Project for K-12 Comprehensive Drug and Alcohol Education-Prevention Programs, Department of Educational Theory and Practice (J. J. Quaranta), 1 October 1987 through 30 September 1989. (Project 766413 - New)

\$158,677.00 - Department of Education, Office of Special Education and Rehabilitation Services, Washington, D.C., A Prototype Robotic Arm for Use by Severely Orthopedically Handicapped Students, Department of Educational Theory and Practice (R. D. Howell), 1 October 1987 through 30 March 1989. (Project 766392 - New)

\$138,223.00 - Department of Agriculture, Science and Education, Washington, D.C., AFBC - EC Engine System for Biomass Power, Department of Agricultural Engineering - OARDC (H. M. Keener, J. E. Henry and W. L. Roller), 15 September 1987 through 30 September 1989. (Project 766398 - New)

\$137,306.00 - Maryland Procurement Office, Fort George G. Meade, Maryland, Microwave Antenna Technology, Department of Electrical Engineering, ElectroScience Laboratory (R. C. Rudduck), 1 October 1987 through 1 March 1988. (Project 765096 - Continuation)

\$136,521.00 - Department of Health and Human Services, Public Health Service, Health Resources and Services Administration, Rockville, Maryland, Breastfeeding Promotion in a Low Income Urban Population, Department of Pediatrics (L. K. Grossman), 1 October 1987 through 30 September 1988. (Project 765035 - Continuation)

\$128,348.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, DNA Damage in Oncogene Activation, Department of Radiology (A. A. Wani, S. M. D'Ambrosio and R. M. Snapka), 30 September 1987 through 31 August 1988. (Project 766418 - New)

\$110,250.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Exercise,

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

Oxidant Stress, Antistressors and Atheroma, Department of Physiological Chemistry (A. J. Merola), 30 September 1987 through 29 September 1988. (Project 765064 - Continuation)

\$100,000.00 - Department of the Interior, Geological Survey, Reston, Virginia, Terrain Modeling and Contouring Software Development, Center for Mapping (J. D. Bossler), 30 September 1987 through 30 September 1988. (Project 766395 - New)

\$100,000.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, Exploratory Research on the Protection of Carbon-Carbon Composites Against Oxidation at Very High Temperatures (>3000°F) with Engel-Brewer and Other Intermetallic Compounds, Department of Metallurgical Engineering (G. R. St. Pierre, J. P. Hirth and R. A. Rapp), 1 November 1987 through 31 October 1988. (Project 765280 - Continuation)

\$99,993.00 - Department of the Navy, Navy Material Command, China Lake, California, Compact Range Application Research, Department of Electrical Engineering, ElectroScience Laboratory (W. D. Burnside), 14 September 1987 through 13 September 1988. (Project 766386 - Continuation)

\$99,667.00 - Department of the Air Force, Air Force Systems Command, Bolling Air Force Base, D.C., Distributed Knowledge Base Systems for Diagnosis and Information Retrieval, Department of Computer and Information Science (B. Chandrasekaran), 1 November 1987 through 31 October 1988. (Project 765799 - Continuation)

\$96,361.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, Pack Cementation Coating of Ni-Base and Co-Base Alloys to Combat Low Temperature Hot Corrosion, Department of Metallurgical Engineering (R. A. Rapp), 1 November 1987 through 31 October 1988. (Project 765839 - Continuation)

\$87,159.00 - Department of the Army, Army Materiel Command, Redstone Arsenal, Alabama, Radar Cross Section Prediction Code Development, Department of Electrical Engineering, ElectroScience Laboratory (R. J. Marhefka), 30 September 1987 through 29 September 1988. (Project 765718 - Continuation)

\$86,774.00 - Department of Health and Human Services, Public Health Service, Center for Disease Control, Atlanta, Georgia, Development of Appropriate Measures to Determine the Impact of Efforts to Decrease Smokeless Tobacco Use, School of Health, Physical Education and Recreation (M. S. C. Chen) and Oral Biology (K. Schroeder), 28 September 1987 through 27 September 1988. (Project 766408 - New)

\$85,897.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, The Optimal Corneal Shape, College of Optometry (L. G. Carney), 30 September 1987 through 29 September 1988. (Project 766416 - New)

December 3 and 4, 1987 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

\$85,700.00 - Department of Commerce, Economic Development Administration, Washington, D.C., Implementing Rural Assistance Center Programs for Farm Families, The National Center for Research in Vocational Education (R. D. Ryan), 1 September 1987 through 30 September 1988. (Project 766411 - New)

\$82,990.00 - National Science Foundation, Washington, D.C., Manipulation of Objects by Means of Phased Movements of Multiple Fingers, Department of Mechanical Engineering (K. J. Waldron), 15 October 1987 through 31 March 1989. (Project 766443 - New)

\$82,933.00 - National Aeronautics and Space Administration, Lewis Research Center, Cleveland, Ohio, Interaction Between Tollmien-Schlichting Waves and Free Stream Disturbances in Boundary-Layer Flows, Department of Aeronautical and Astronautical Engineering (R. J. Bodonyi), 1 December 1987 through 30 November 1988. (Project 765803 - Continuation)

\$74,117.00 - Department of Health and Human Services, Social Security Administration, Baltimore, Maryland, Functional Capacities of Older Men for Extended Work Lives, Department of Preventive Medicine (G. Nestel), 1 October 1987 through 30 September 1988. (Project 766410 - New)

\$70,994.00 - Department of Education, Office of Vocational and Adult Education, Washington, D.C., Bilingual Vocational Instructor Training, Graduate School Administration (D. A. Adams) and The National Center for Research in Vocational Education (R. D. Ryan), 1 September 1987 through 28 February 1989. (Project 766425 - New)

\$67,908.00 - National Science Foundation, Washington, D.C., A Study of the Windfield Near Terra Nova Bay, Byrd Polar Research Center (D. H. Bromwich), 1 June 1987 through 31 May 1988. (Project 765479 - Continuation)

\$63,715.00 - Department of Education, Office of Educational Research and Improvements, Washington, D.C., Integrating an Organized Approach to Funding Information with an Online Library Catalog and Remotely-Searchable Bibliographic Databases, University Libraries (V. M. Tiefel), 1 October 1987 through 30 September 1988. (Project 766415 - New)

\$62,597.00 - National Aeronautics and Space Administration, Lewis Research Center, Cleveland, Ohio, Proposal to Study Crystallization of the Glassy Grain Boundary Phase in Silicon Nitride Ceramics, Department of Ceramic Engineering (C. H. Drummond and W. E. Lee), 15 October 1987 through 14 October 1988. (Project 766445 - New)

\$62,583.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Human Erythroid-Potentiating Activity, Department of Internal Medicine (B. A. Avalos), 1 August 1987 through 31 July 1988. (Project 766427 - New)

\$58,628.00 - Department of Education, Office of Postsecondary Education, Washington, D.C., Cooperative Education Grant for the Professional

December 3 and 4, 1987 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

Practice Program, College of Business - Administration (R. L. Racster), 1 October 1987 through 30 September 1988. (Project 766409 - Continuation)

\$54,591.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, Resonant Region NCTR Research, Department of Electrical Engineering, ElectroScience Laboratory (E. K. Walton), 15 July 1987 through 1 February 1988. (Project 765216 - Continuation)

\$51,000.00 - Department of Education, Office of Educational Research and Improvements, Washington, D.C., Reading Recovery Project 1987-1991, Department of Educational Theory and Practice (G. S. Pinnell), 1 October 1987 through 30 September 1988. (Project 766402 - New)

\$48,481.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Human Thrombin: Binding and Recognition Sites, Department of Chemistry (L. J. Berliner), 1 September 1987 through 31 January 1988. (Project 761742 - Continuation)

\$43,432.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, The Ohio State University Advanced Glaucoma Intervention Study, Department of Ophthalmology (P. A. Weber), 1 September 1987 through 31 August 1988. (Project 766355 - Continuation)

\$37,706.00 - Department of the Army, Army Corps of Engineers, Fort Belvoir, Virginia, Develop Software to Utilize Data from the NAVSTAR Global Positioning System to Model the Geoid, Department of Geodetic Science and Surveying (C. C. Goad), 1 October 1987 through 31 October 1988. (Project 766396 - New)

\$36,800.00 - Environmental Protection Agency, Chicago, Illinois, Exposure Probabilities for Resuspended and Advected Sediment in the Upper Connecting Channels, Department of Civil Engineering (K. W. Bedford), 1 July 1987 through 30 June 1988. (Project 764858 - Continuation)

\$35,000.00 - National Science Foundation, Washington, D.C., Physical Studies of Milk Xanthine Oxidase, Department of Physiological Chemistry (C. R. Hille), 1 May 1988 through 30 April 1989. (Project 765099 - Continuation)

\$34,693.00 - Environmental Protection Agency, Chicago, Illinois, Effect of No-Till and Fall Plowing on Pesticide Movement in Runoff and Till Drainage, Department of Agronomy - OARDC and Department of Agronomy (T. J. Logan) and Cooperative Extension State Operations and Department of Agronomy - OARDC (D. J. Eckert), 1 May 1987 through 30 April 1989. (Project 766424 - New)

\$33,000.00 - Department of the Navy, Navy Material Command, China Lake, California, Ram and Inlet Modeling: Compact Range Scattering, Department of Electrical Engineering, ElectroScience Laboratory (P. Pathak), 1 July 1987 through 30 June 1988. (Project 764991 - Continuation)

December 3 and 4, 1987 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

\$32,000.00 - Department of Agriculture, Animal and Plant Health Inspection Service, Moorestown, New Jersey, Cooperative National Plant Pest Survey and Detection Program (Ohio Plant Pest Survey), Cooperative Extension State Operations (H. R. Willson), 1 October 1987 through 30 September 1988. (Project 763261 - Continuation)

\$30,000.00 - Department of the Air Force, Air Force Systems Command, Wright-Patterson Air Force Base, Ohio, Thermodynamic and Diffusivity Measurements in Potential Ultra-High Temperature Composite Materials, Department of Ceramic Engineering (J. D. Cawley) and Department of Metallurgical Engineering (W. B. Johnson), 1 October 1987 through 31 December 1987. (Project 766346 - New)

\$29,860.00 - National Science Foundation, Washington, D.C., Super-Realtime Dynamic Simulation of Multiple-Chain Robotic Systems, Department of Electrical Engineering (D. E. Orin), 15 September 1987 through 28 February 1989. (Project 766433 - New)

\$28,387.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, Molecular Biology of the Extremely Thermophilic Archaeobacterium, Methanothermus fervidus, Department of Microbiology (J. N. Reeve), 1 October 1987 through 31 March 1988. (Project 765291 - Continuation)

\$26,100.00 - Department of Education, Office of Educational Research and Improvements, Washington, D.C., The Acquisition of Art Knowledge: A Theoretical Framework for Curriculum Development in Art Education, Department of Art Education (J. L. Koroscik), 1 January 1988 through 31 August 1988. (Project 766417 - New)

\$21,521.00 - National Science Foundation, Washington, D.C., Chloroplast Transport: Characterization of the C4-Phosphoenolpyruvate Translocator, Department of Horticulture - OARDC and Department of Horticulture (M. E. Rumpho-Kennedy), 1 September 1986 through 28 February 1989. (Project 765690 - Continuation)

\$18,368.00 - Department of Education, Office of Educational Research and Improvements, Washington, D.C., A Multifaceted Mentoring Program for Minority Students on a Regional Campus, Mansfield Campus (J. O. Riedl), 1 September 1987 through 31 August 1988. (Project 766434 - New)

\$18,000.00 - National Aeronautics and Space Administration, Washington, D.C., Rapid Prototyping with Centaurs, Department of Industrial and Systems Engineering (P. J. Smith), 1 October 1987 through 30 September 1988. (Project 765706 - Continuation)

\$16,000.00 - Environmental Protection Agency, Washington, D.C., Effects of Climatic Change on Plant-Pest Interactions, Department of Entomology - OARDC (B. R. Stinner, R. A. J. Taylor and R. B. Hammond) and Department of Plant Pathology - OARDC (L. V. Madden), 30 September 1987 through 30 September 1988. (Project 766422 - 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)

\$15,696.00 - Department of the Army, Army Material Command, Natick, Massachusetts, Water Purification Devices, Department of Civil Engineering (A. J. Rubin), 6 August 1987 through 5 August 1989. (Project 766319 - Continuation)

\$12,000.00 - National Science Foundation, Washington, D.C., A Novel Approach in Formulation of Special Finite Elements, Department of Aeronautical and Astronautical Engineering (N. Sarigul), 1 October 1987 through 30 September 1988. (Project 766399 - New)

\$10,000.00 - Department of Agriculture, Soil Conservation Service, Columbus, Ohio, Socio-Economic Factors Affecting the Adoption of Soil Erosion Control Practices, Department of Agricultural Economics and Rural Sociology - OARDC and Department of Agricultural Economics and Rural Sociology (T. L. Napier), 30 September 1987 through 29 September 1988. (Project 766387 - New)

\$7,424.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, B-Glucuronidase Inhibition and Chemical Carcinogenesis, Department of Physiological Chemistry and Comprehensive Cancer Center (T. E. Webb), 1 August 1986 through 31 March 1988. (Project 764291 - Continuation)

\$1,730.00 - Department of Transportation, National Highway Traffic Safety Administration, East Liberty, Ohio, Pedestrian Head Injury Test Matrix Analysis, Department of Statistics (P. K. Goel), 1 June 1987 through 15 October 1987. (Project 766431 - New)

\$750.00 - Department of Education, Office of Special Education and Rehabilitation Services, Washington, D.C., Parent-Child Conversation: A Longitudinal Project for Research into Intervention with Language-Delayed Handicapped Children, Nisonger Center (J. MacDonald), 1 October 1987 through 30 September 1988. (Project 764417 - Continuation)

TOTAL - FEDERAL AWARDS \$5,161,690.00

State of Ohio Research Contracts/Grants

\$125,000.00 - State of Ohio, Department of Development, Columbus, Ohio, Support for the Ohio Technology Transfer Organization (OTTO), Department of Mechanical Engineering and Academic Affairs Administration (R. E. Bailey), 1 July 1987 through 30 June 1988. (Project 766212 - Continuation)

\$100,640.00 - State of Ohio, Department of Education, Columbus, Ohio, Reading Recovery Project, Department of Educational Theory and Practice (G. S. Pinnell), 1 July 1987 through 30 September 1988. (Project 766394 - Continuation)

\$86,748.00 - State of Ohio, Department of Education, Columbus, Ohio, A Computer-Based Network to Assist Handicapped Youths' Transition from School to Work: A Four-Part Model, The National Center for Research in

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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)

Vocational Education (R. D. Ryan), 1 September 1987 through 31 August 1988. (Project 766450 - Continuation)

\$45,100.00 - State of Ohio, Department of Health, Columbus, Ohio, Comprehensive Adult Hemophilia Clinic, Department of Internal Medicine (S. P. Balcerzak), 1 July 1987 through 30 June 1988. (Project 762760 - Continuation)

\$41,491.00 - State of Ohio, Department of Education, Columbus, Ohio, Intervention Assistance Team, College of Education - Administration (T. M. Stephens), 1 September 1987 through 31 August 1988. (Project 766444 - New)

\$23,680.00 - State of Ohio, Department of Education, Columbus, Ohio, Assisting the Ohio Division of Vocational Education Coordinate Linkage Between Occupational/Work Adjustment Programs and Job Training Partnership Administration, The National Center for Research in Vocational Education (R. D. Ryan), 25 August 1987 through 30 June 1988. (Project 766435 - New)

\$16,913.00 - State of Ohio, Department of Youth Services, Columbus, Ohio, Graduate Student Internships, Department of Human Services Education (M. D. Orlansky), 1 October 1987 through 30 June 1988. (Project 766412 - Continuation)

\$7,125.00 - State of Ohio, Department of Human Services, Columbus, Ohio, Assessment and Placement Issues Involved in Adoption of Developmentally Disabled Children, Nisonger Center (S. R. Schroeder and V. L. Reynolds), 1 July 1987 through 30 September 1987. (Project 766442 - Continuation)

TOTAL - STATE OF OHIO AWARDS \$ 446,697.00

Industrial Research Contracts/Grants

\$500,000.00 - Cray Research, Inc., Mendota Heights, Minnesota, Research and Development Agreement with Cray Research, Inc., Research and Graduate Studies Administration (J. M. Hollander) and Ohio Supercomputer Program (C. W. McCurdy), 1 November 1987 through 31 October 1988. (Project 766446 - New)

\$100,000.00 - Adria Laboratories, Dublin, Ohio, Clinical Pharmacology Research Unit, Department of Pharmacology (N. Gerber), 1 October 1987 through 30 September 1988. (Project 766439 - New)

\$80,131.00 - CeramPhysics, Inc., Westerville, Ohio, Research on High-Specific-Heat Dielectrics, Department of Physics (B. R. Patton), 1 September 1987 through 28 February 1989. (Project 765369 - Continuation)

\$76,344.00 - SYMEDIX, Inc., Wayne, Pennsylvania, Fluorocarbon Emulsions, College of Pharmacy (S. G. Frank), 1 October 1987 through 31 March 1988. (Project 766429 - New)

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Industrial Research Contracts/Grants (contd)

\$56,250.00 - Genentech, Inc., South San Francisco, California, Recombinant Human Interferon-Gamma for the Adjuvant Treatment of High Risk Malignant Melanoma, Department of Internal Medicine (J. J. Rinehart), 1 September 1987 through 1 September 1990. (Project 766426 - New)

\$54,000.00 - Pioneer Hi-Bred International, Inc., Johnston, Iowa, Mutation and Screening for Phytophthora Resistant Tissue Culture Regenerant Plants, Department of Plant Pathology - OARDC (A. F. Schmitthener and A. F. Olah), 1 October 1987 through 30 September 1989. (Project 766440 - New)

\$51,750.00 - Procter & Gamble Company, Cincinnati, Ohio, Effects of Coffee Consumption on Lower Esophageal Sphincter Pressure, Department of Internal Medicine (T. S. Gaginella and F. B. Thomas), 15 October 1987 through 15 October 1988. (Project 766436 - New)

\$37,639.00 - Pfizer, Inc., Groton, Connecticut, Phase I Double-Blind, Placebo-Controlled, Escalating Single, Divided Dose Pharmacokinetics and Toleration Study of Oral CP-66,948 in Normal Male Volunteers, Department of Pharmacology (N. Gerber), 1 June 1987 through 30 June 1988. (Project 765696 - Continuation)

\$35,000.00 - Hoffman-LaRoche, Inc., Nutley, New Jersey, Ro 23-6457: Effects on the Alloantigen-Specific Cellular and Humoral Immune Responses in Murine Recipients of Sponge Matrix Allografts, Department of Surgery (C. G. Orosz and R. M. Ferguson), 1 September 1987 through 31 August 1988. (Project 766438 - New)

\$31,512.00 - Pfizer, Inc., Groton, Connecticut, Phase I Bioavailability Study Comparing the CP-62,993 Old Bulk Capsule and the New CP-62,993 Pediatric Suspension, Department of Pharmacology (N. Gerber), 20 August 1987 through 19 August 1988. (Project 765696 - Continuation)

\$13,163.00 - Pfizer, Inc., Groton, Connecticut, Rechallenge of Patients in Phase I CP-62,993 Multiple Dose Absorption and Pharmacokinetic Study, Department of Pharmacology (N. Gerber), 15 June 1987 through 31 December 1987. (Project 765696 - Continuation)

\$12,070.00 - Pfizer, Inc., Groton, Connecticut, Phase I Proportionality Study of 50 mg, 100 mg and 200 mg of Commercial 50 mg Preparation of Sertraline, Department of Pharmacology (N. Gerber), 1 October 1986 through 30 September 1987. (Project 765696 - Continuation)

\$11,114.00 - Polymer Technology Corporation, Wilmington, Massachusetts, The Measurement of Corneal Swelling Induced After Overnight Wearing of Boston Equalens II Contact Lens, College of Optometry (G. J. Andrasko), 1 October 1987 through 31 January 1988. (Project 766432 - New)

\$9,403.00 - AT&T Bell Laboratories, Columbus, Ohio, Improving the Written Communication Skills of Nonnative Speakers of English in the Work Setting Through Individualized Tutorial, Department of English/Second Language

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Industrial Research Contracts/Grants (contd)

(R. N. Kantor), 1 October 1987 through 31 December 1987. (Project 766428 - Continuation)

\$6,921.00 - Sandia National Laboratories, Albuquerque, New Mexico, Polar and Non-Polar Diatomic Molecule Scattering from the Surfaces of Solids, Department of Chemistry (P. L. Jones), 1 October 1987 through 31 December 1987. (Project 766441 - New)

\$1,762.00 - Pfizer, Inc., Groton, Connecticut, Phase I Double-Blind, Placebo-Controlled, Single Dose Study to Establish Tolerantion, Pharmacokinetics, and Bioavailability of CP-74,725, Department of Pharmacology (N. Gerber), 1 June 1987 through 31 May 1988. (Project 765696 - Continuation)

\$1,520.00 - Financial Labs, Inc., Bexley, Ohio, An Investigation of International Money and Bond Market Risk Management, Academic Faculty of Finance (W. B. Bailey), 1 August 1987 through 31 December 1987. (Project 766406 - New)

\$468.00 - CIBA-GEIGY Corporation, Greensboro, North Carolina, Evaluation of Candidate Materials for the Control of Ectoparasitic Insects, Department of Entomology (W. F. Hink), 1 June 1987 through 1 December 1987. (Project 766087 - Continuation)

TOTAL - INDUSTRIAL AWARDS **\$1,079,047.00**

Other Non-Federal Research Contracts/Grants

\$231,330.00 - W. K. Kellogg Foundation, Battle Creek, Michigan, Commission on Interprofessional Education and Practice, Department of Educational Policy and Leadership (L. L. Cunningham), 1 October 1987 through 30 September 1988. (Project 762825 - Continuation)

\$73,791.00 - The Cleveland Foundation, Cleveland, Ohio, Business Development, Trade and State Policy, School of Public Administration (W. T. Dyke), 1 July 1987 through 30 June 1989. (Project 766397 - New)

\$64,600.00 - Consolidated Edison Company of New York, New York, New York and Florida Power Corporation, Crystal River, Florida, Consortium for the Development of Instructor Training Materials for the Electric Power Industry -- Phase II, The National Center for Research in Vocational Education (R. D. Ryan), 1 September 1987 through 31 December 1988. (Project 766021 - Continuation)

\$61,069.00 - American Quarter Horse Association, Amarillo, Texas, Dietary Zinc in Developmental Orthopedic Disease of Foals, Department of Veterinary Clinical Sciences (A. A. Gabel), 1 October 1987 through 30 September 1988. (Project 766430 - New)

\$45,157.00 - Harvard University, Cambridge, Massachusetts, What Factors Influence How Long Math and Science Teachers Stay in Teaching?, Center

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Other Non-Federal Research Contracts/Grants (contd)

for Human Resource Research (R. J. Olsen), 1 September 1987 through 28 February 1989. (Project 765544 - Continuation)

\$37,657.00 - 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. D. Ryan), 1 July 1987 through 30 June 1988. (Project 766419 - Continuation)

\$34,177.00 - Helen Keller National Center for Deaf-Blind Youth and Adults, Sands Point, New York, Technical Assistance to Helen Keller National Center, College of Education - Administration (T. M. Stephens), 1 October 1987 through 30 September 1988. (Project 766393 - Continuation)

\$23,858.00 - Florida International University, Miami, Florida, Consortium for the Development of Professional Materials for Vocational Education, The National Center for Research in Vocational Education (R. D. Ryan), 1 July 1987 through 30 June 1988. (Project 766400 - Continuation)

\$19,300.00 - University of Pittsburgh, Pittsburgh, Pennsylvania, The Treatment of Primary Breast Cancer, Department of Surgery (W. B. Farrar), 1 April 1987 through 31 January 1988. (Project 763659 - Continuation)

\$15,000.00 - New Jersey Institute of Technology, Newark, New Jersey, Participation in National Science Foundation Industry/University Cooperative Research Center for Gas Cleaning, Department of Chemical Engineering (J. L. Zakin), 1 September 1987 through 28 February 1989. (Project 766366 - New)

\$10,000.00 - National Association of Realtors, Chicago, Illinois, Home Ownership Conference, Academic Faculty of Finance and Center for Real Estate Education and Research (R. L. Racster), 1 September 1987 through 31 August 1988. (Project 766403 - New)

\$10,000.00 - Georgia Office of Vocational Education, Atlanta, Georgia; Kentucky Office of Vocational Education, Frankfort, Kentucky; Mississippi State University, Mississippi State, Mississippi; and Oklahoma Department of Vo-Tech, Stillwater, Oklahoma, National Consortium of State Career Guidance Supervisors, The National Center for Research in Vocational Education (R. D. Ryan), 1 July 1987 through 30 June 1988. (Project 766331 - Continuation)

\$6,000.00 - North Central Regional Center for Rural Development, Ames, Iowa, Family Community Leadership Workshop, Cooperative Extension State Operations (J. M. Jones), 1 March 1987 through 30 April 1987. (Project 766423 - New)

\$2,700.00 - American Nurses' Foundation, Inc., Kansas City, Missouri, Homeless Women and Their Families, Department of Family and Community Nursing (J. D. Wagner), 1 October 1987 through 30 September 1988. (Project 766404 - New)

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Other Non-Federal Research Contracts/Grants (contd)

\$2,500.00 - The Columbus Jewish Foundation, Columbus, Ohio, A Multi-Media Renaissance Theatre and T.V. Production of A Comedy of Betrothal, Department of Theatre (A. S. Golding), 1 July 1987 through 30 June 1988. (Project 766414 - New)

\$1,000.00 - The Leo Yassenoff Foundation, Columbus, Ohio, Presentation of Paul Taylor's AUREOLE, Department of Dance (M. R. Pierson), 1 January 1987 through 30 June 1988. (Project 766407 - New)

\$678.85 - Utah Technical College, Provo, Utah, National Alliance of Community and Technical Colleges, The National Center for Research in Vocational Education (R. D. Ryan), 1 July 1987 through 30 June 1988. (Project 766171 - Continuation)

TOTAL - OTHER NON-FEDERAL AWARDS \$ 638,817.85

ENGINEERING EXPERIMENT STATION

State Sponsored Research and Development

\$16,008.00 - Additional budget from Thomas A. Edison Program, Columbus, OH, and International TechneGroup Inc., Milford, OH, "Development of Design and Analysis Algorithms for Machine Components," Department of Mechanical Engineering, 2 February 1985 through 30 September 1987. (312831, Ext. 2)

\$9,933.00 - Additional budget from Thomas A. Edison Program, Columbus, OH, and Universal Energy Systems, Inc., Dayton, OH, "Advanced Simulation Language and Multicomputer Design for Improving the Performance of Modeling and Control of Metal Forming," Department of Computer and Information Science, 12 October 1985 through 31 December 1987. (529697, Ext. 1)

TOTAL - STATE SPONSORED RESEARCH \$ 25,941.00

Industrial and Other Sponsored Research and Development

\$180,913.00 - Additional funding from Battelle Columbus Labs, Columbus, OH, "Evaluate and Test Heat Pump Component Performance," Department of Mechanical Engineering, 1 August 1987 through 30 June 1988. (312858, Ext. 2)

\$136,690.00 - Gas Research Institute, Chicago, IL, "Applications of Advanced Heat Transfer; Doubly-Fluted Tubes and Enhanced Tubes in Confined Crossflow," Department of Mechanical Engineering, 1 August 1987 through 31 December 1988. (529738)

\$77,000.00 - Additional budget from Southwest Research Institute, San Antonio, TX, "A Fracture Mechanics Assessment of the Slow Crack Growth Test for Polyethylene Gas Pipes," Department of Engineering Mechanics, 15 April 1987 through 31 May 1988. (529727, Ext. 3)

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

ENGINEERING EXPERIMENT STATION (contd)

Industrial and Other Sponsored Research and Development (contd)

\$75,000.00 - General Electric Company, Cincinnati, OH, "Testing of the GE36 Unducted Fan Engine Simulator in Three Existing Engine Test Case Models," Department of Aeronautical and Astronautical Engineering, 1 September 1987 through 28 February 1988. (312433)

\$40,000.00 - Funding of memberships to the Compact Range Consortium, Department of Electrical Engineering, 1 July 1987 through 30 June 1988. (312884)

\$30,831.00 - from 20 sponsors of 25 development projects under the direction of two research areas of the College of Engineering.

\$30,000.00 - B. F. Goodrich Company, Uniontown, OH, "A Three-Dimensional Droplet Impingement Analysis for Aircraft Icing," Department of Aeronautical and Astronautical Engineering, 1 October 1987 through 30 September 1988. (529741)

TOTAL - INDUSTRIAL AND OTHER SPONSORED RESEARCH \$ 570,434.00

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND

Establishment of Named Funds

The A. Sophie Rogers Memorial Fund

The A. Sophie Rogers Memorial Fund was established December 4, 1987, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from the A. Sophie Rogers 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 shall be used to provide continuing support for The A. Sophie Rogers Laboratory for Child and Family Studies.

It is the desire of the donor that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in consultation with the Dean of the College of Home Economics in order to carry out the desire of the donor.

**Mark L. Morris Veterinary Clinical Nutrition
Research and Education Fund**

The Mark L. Morris Veterinary Clinical Nutrition Research and Education Fund was established December 4, 1987, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

Establishment of Named Funds (contd)

**Mark L. Morris Veterinary Clinical Nutrition
Research and Education Fund (contd)**

Fund from Mark Morris Associates and Hill's Pet Products, Inc., Topeka, Kansas.

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 shall be used in the College of Veterinary Medicine to provide resources for clinical research and education in nutritional diseases of domestic animals. Expenditures from the fund will be authorized by the Dean of the College of Veterinary Medicine.

It is the desire of the donors that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in order to carry out the desire of the donors.

**The Flo C. and Merrill H. Amos
Cooperative Extension Innovation Fund**

The Flo C. and Merrill H. Amos Cooperative Extension Innovation Fund was established December 4, 1987, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from the estates of Merrill H. Amos and his mother, Flo C. Amos of Frederickstown, 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 shall be used to fund Innovative Cooperative Extension Service Programs at the county and state levels. The director of the Ohio Cooperative Extension Service shall determine how such funds are to be utilized and shall approve all expenditures.

It is the desire of the donors that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in consultation with the appropriate college dean, department chairperson, or program administrative officer in order to carry out the desire of the donors.

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

Establishment of Named Funds (contd)

William S. and Marguerite C. Price Scholarship Award

The William S. and Marguerite C. Price Scholarship Award was established December 4, 1987, by the Board of Trustees of The Ohio State University with gift(s) to The Ohio State University Development Fund from the estate of Marguerite C. Price 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 shall be used to provide scholarship assistance for students majoring in French language and/or culture. This award will be made by a faculty committee drawn from the French section of the Department of Romance Languages and Literatures and named by the Chairperson of the Department of Romance Languages and Literatures in consultation with the University Committee on Student Financial Aid. Primary selection for this scholarship award will be based on academic performance. A minimum of two students per year will be selected.

It is the desire of the donor that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in order to carry out the desire of the donor.

**The Deloitte Haskins & Sells
Accounting Professorship Fund**

The Deloitte Haskins & Sells Accounting Professorship Fund was established December 4, 1987, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from the partners of Deloitte Haskins & Sells and the Deloitte Haskins & Sells 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 of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income shall be added to the Deloitte Haskins & Sells Accounting Professorship Fund's principal until the Fund's principal accumulates to \$500,000. Thereafter, the annual income shall be used to provide a professorship in accounting in the College of Business. Appointment to The Deloitte Haskins & Sells Accounting Professorship will be recommended by the Dean of the College of Business to the Provost and approved by the Board of Trustees.

It is the desire of the donor(s) that this fund should benefit the University in perpetuity. If the need for this fund should cease to

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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 Deloitte Haskins & Sells
Accounting Professorship Fund (contd)**

exist or so diminish as to provide unused income, then the income, with the approval of the chairman of Deloitte Haskins & Sells, 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 business education.

The Clabaugh Glaucoma Research Fund

The Clabaugh Glaucoma Research Fund was established December 4, 1987, by the Board of Trustees of The Ohio State University, with gifts to The Ohio State University Development Fund, from the estate of Helen C. Clabaugh (B.S.H.E. '24).

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.

All annual income shall be used to support research with respect to the cure and treatment of glaucoma within the Department of Ophthalmology at The Ohio State University College of Medicine. All expenditures shall be approved by the Chairperson of the Department of Ophthalmology with the Dean of the College of Medicine.

It is the desire of the donor that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees, with preference being given to recommendations from the administrative official then directly responsible for the Department of Ophthalmology, in order to carry out the desire of the donor.

Crane Fund for Hispanic Studies

The Crane Fund for Hispanic Studies was established December 4, 1987, by the Board of Trustees of The Ohio State University with gift(s) to The Ohio State University Development Fund by LoAnn Crane (B.A., Spanish, '47) 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 shall be used to support the instruction and research missions of the Department of Romance Languages and Literatures in the

December 3 and 4, 1987 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

Establishment of Named Funds (contd)

Crane Fund for Hispanic Studies (contd)

area of Hispanic studies. The income will be used at the discretion of the chairperson in consultation with the faculty of the Spanish section to support the missions of the Department.

It is the desire of the donor that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in order to carry out the desire of the donor.

The Gerry D. Guthrie Scholarship Award

The Gerry D. Guthrie Scholarship Award was established December 4, 1987, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from Mrs. Cecile Guthrie, George P. Guthrie, Jr., and a matching gift from Rockwell International Corporation Trust.

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 shall be used to present The Gerry D. Guthrie Scholarship Award to the undergraduate or graduate student majoring in United States history who writes the best paper on the Civil War. Students in their freshman year are eligible to receive the award. A student may not receive the award more than two consecutive years. Selection of the student will be made by the Student Awards Committee of the Department of History, in consultation with the University Committee on Student Financial Aid. If the Student Awards Committee deems that no student paper qualifies for the award in a particular year, the award does not have to be made, and the income will be awarded the following year.

It is the desire of the donors that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated 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 College of Humanities, in order to carry out the desire of the donors.

The Historic Costume and Textiles Collection Fund

The Historic Costume and Textiles Collection Fund was established December 4, 1987, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from The Friends

December 3 and 4, 1987 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 Historic Costume and Textiles Collection Fund (contd)

of The Historic Costume and Textiles Collection, Department of Textiles and Clothing, College of Home Economics, The Ohio State 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 annual income shall be used to provide continuing support to the Historic Costume and Textiles Collection, Department of Textiles and Clothing, College of Home Economics, The Ohio State University. Expenditures from the fund shall be authorized by the Chairperson of the Department of Textiles and Clothing, in consultation with the Dean of the College of Home Economics.

It is the desire of the donors that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees, in consultation with the Dean of the College of Home Economics and the Chairperson of the Department of Textiles and Clothing, in order to carry out the desire of the donors.

Change in Description of Named Fund

**Alumni Scholarship Fund
The College of Social Work**

The Alumni Scholarship Fund - The College of Social Work was established September 6, 1985, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from The Ohio State University College of Social Work Alumni Association. The description was changed December 4, 1987.

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 approved candidates for a doctorate, a master's, or a bachelor's degree in social work. The scholarship will be awarded based on financial need with consideration of academic ability. The selection of the recipient(s) is to be made upon the recommendation of the College of Social Work's Financial Aid Committee in consultation with the Dean of the College of Social Work and an alumni representative appointed by the College of Social Work Alumni Association Executive 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

December 3 and 4, 1987 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)

**Alumni Scholarship Fund
The College of Social Work (contd)**

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 social work education.

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**REPORT OF AWARD OF CONTRACTS AND
ESTABLISHMENT OF CONTINGENCY FUNDS**

Resolution No. 88-65

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 award contracts for the Central Service Building Renovation, Kinnear Road Center Buildings C & E - Roof Replacement, Doan Hall 2 North - Gastroenterology, and Lord Hall - Heating Plant Coverter projects; and

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 Baker Systems Engineering - Air Handling System Improvements project, as follows:

**CENTRAL SERVICE BUILDING RENOVATION
(DEMOLITION PORTION)**

Description: This phase of the project provides for the removal of interior partitions and existing walls, cutting holes in floor slabs for the installation of new duct work, and the removal of exterior canopies. This demolition is to prepare the north section of the Central Service Building for a major upgrading. Demolition began November 12, 1987, and is to be completed within sixty days.

General Contract

Date Received: October 21, 1987

No. of Bids: 4

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**REPORT OF AWARD OF CONTRACTS AND
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)**

**CENTRAL SERVICE BUILDING RENOVATION
(DEMOLITION PORTION) (contd)**

General Contract (contd)

Low Bid:	\$148,000.00
High Bid:	\$169,870.00
Estimate of Cost:	\$185,000.00
Awarded to:	Buffalo Contractors, Columbus, OH
Total All Contracts:	\$148,000.00
Total Contingency Allowance:	\$ 11,840.08 (which is 8% of construction costs)
Total Project Cost:	\$161,290.00
Funding:	University Funds

**KINNEAR ROAD CENTER BUILDINGS C & E
ROOF REPLACEMENT**

Description: This project provides for the removal of the deteriorated roof and installation of a complete new roofing system. Construction is scheduled to begin November 1987, and be completed within sixty days.

General Contract

Date Received:	October 20, 1987
No. of Bids:	6
Low Bid:	\$119,994.00
High Bid:	\$138,577.00
Estimate of Cost:	\$158,000.00
Awarded to:	C. R. Huffer Roofing, Columbus, OH
Total All Contracts:	\$119,994.00
Total Contingency Allowance:	\$ 9,599.58 (which is 8% of construction costs)
Total Project Cost:	\$131,043.50
Funding:	University Funds

December 3 and 4, 1987 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)**

DOAN HALL 2 NORTH - GASTROENTEROLOGY

Description: This project provides for the renovation of a former x-ray room and a computer room into a procedure/treatment room and laboratory. Construction is scheduled to begin in December 1987, and be completed within one hundred fifty days.

General Contract

Date Received:	October 30, 1987
No. of Bids:	8
Low Bid:	\$ 51,960.00
High Bid:	\$ 91,140.00
Estimate of Cost:	\$ 85,000.00
Awarded to:	Waller & Lund, Columbus, OH

Mechanical Contract

Date Received:	October 30, 1987
No. of Bids:	3
Low Bid:	\$ 22,900.00
High Bid:	\$ 27,000.00
Estimate of Cost:	\$ 27,000.00
Awarded to:	Farber Corp., Columbus, OH

Electric Contract

Date Received:	October 30, 1987
No. of Bids:	4
Low Bid:	\$ 14,370.00
High Bid:	\$ 20,725.00
Estimate of Cost:	\$ 18,000.00
Awarded to:	Frush & Homan, Columbus, OH

Total All Contracts:	\$ 89,230.00
Total Contingency Allowance:	\$ 8,923.00 (which is 10% of construction costs)
Total Project Cost:	\$122,052.00

December 3 and 4, 1987 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)**

DOAN HALL 2 NORTH - GASTROENTEROLOGY (contd)

Funding: University Hospitals Fund

**BAKER SYSTEMS ENGINEERING -
AIR HANDLING SYSTEM IMPROVEMENTS**

Description: This project provides for the installation of an air conditioning system to the second floor rear section of the building which currently has no such system. Construction is scheduled to begin December 1987, and be completed by the start of Autumn Quarter 1988.

General Contract

Date Received:	October 15, 1987
No. of Bids:	3
Low Bid:	\$ 26,380.00*
High Bid:	\$ 33,170.00*
Estimate of Cost:	\$ 64,792.00*
Awarded to:	Waller & Lund Inc., Columbus, OH

HVAC Contract

Date Received:	October 15, 1987
No. of Bids:	2
Low Bid:	\$ 18,411.00*
High Bid:	\$ 23,200.00*
Estimate of Cost:	\$ 47,661.00*
Awarded to:	Martina Metal Contractors, Columbus, OH

Electric Contract

Date Received:	October 15, 1987
No. of Bids:	6
Low Bid:	\$ 33,090.00*
High Bid:	\$ 44,110.00*
Estimate of Cost:	\$ 51,576.00*
Awarded to:	Reco Electric Inc., Gahanna, OH

*Recommended alternates reflected in these figures.

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**REPORT OF AWARD OF CONTRACTS AND
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)**

**BAKER SYSTEMS ENGINEERING -
AIR HANDLING SYSTEM IMPROVEMENTS (contd)**

Total All Contracts: \$ 77,881.00*
Total Contingency Allowance: \$ 9,344.98 (which is 12% of construction costs)
Total Project Cost: \$116,350.00*
Funding: H.B. 870 U & R

*Recommended alternates reflected in these figures.

LORD HALL - HEATING PLANT CONVERTER

Description: This project provides for the demolition and removal of existing heating equipment, piping and ductwork; installation of new heating equipment, piping and controls; and connection to hot water piping which will be installed as part of the "Lord/Hopkins Renovation-Relocation of Art Laboratories" project. Construction is scheduled to begin after the current heating season tentatively April 15, 1988, and be completed before September 15, 1988.

HVAC Contract

Date Received: November 10, 1987
No. of Bids: 7
Low Bid: \$ 69,700.00
High Bid: \$102,580.00
Estimate of Cost: \$108,000.00
Awarded to: J. A. Guy, Dublin, OH
Total All Contracts: \$ 69,700.00
Total Contingency Allowance: \$ 6,312.00 (which is 9% of construction costs)
Total Project Cost: \$ 77,812.00
Funding: University Funds

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.

December 3 and 4, 1987 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)**

Upon motion of Mr. Teaford, seconded by Mr. Berry, 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. 88-66

Synopsis: Renewal of gas line easement to Columbia Gas of Ohio, Inc., is requested.

WHEREAS in 1972 the University granted a 15-year easement consisting of a strip of land fifteen feet wide along the northerly edge of Case Road for the purpose of providing gas service at Don Scott Field; and

WHEREAS this easement will serve University property; and

WHEREAS the appropriate University offices have recommended that this easement be renewed:

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 this easement.

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

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**EASEMENT
OHIO BELL TELEPHONE COMPANY**

Resolution No. 88-67

Synopsis: Renewal of telephone cable easement to the Ohio Bell Telephone Company is requested.

WHEREAS in 1972 the University granted the Ohio Bell Telephone Company a 15-year easement for buried telephone cable at Don Scott Field; and

WHEREAS this easement will serve University property; and

WHEREAS the appropriate University offices have recommended that this easement be renewed:

NOW THEREFORE

December 3 and 4, 1987 meeting, Board of Trustees

**EASEMENT
OHIO BELL TELEPHONE COMPANY (contd)**

BE IT RESOLVED, That the 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 this easement.

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

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**EASEMENT
CITY OF COLUMBUS**

Resolution No. 88-68

Synopsis: Authorization to grant an easement to the City of Columbus for construction of a bike path along the Olentangy River is requested.

WHEREAS the City of Columbus has requested a 15-year easement consisting of a strip of land 1400 feet in length and 75 feet in width for the construction of a bike path at 350 Dodridge Street; and

WHEREAS the bike path will serve many bicyclists and pedestrians; 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 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 this easement.

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

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**EASEMENT
OHIO POWER COMPANY**

Resolution No. 88-69

Synopsis: Renewal of power pole anchor easement to the Ohio Power Company is requested.

WHEREAS in 1972 the University granted to the Ohio Power Company a 15-year easement along County Club Drive in the vicinity of the Newark Regional Campus for the purpose of maintaining an electrical power pole anchor on the Newark Regional Campus; and

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**EASEMENT
OHIO POWER COMPANY (contd)**

WHEREAS this easement has expired and the Ohio Power Company has requested a renewal of the easement for a period of 15 years; and

WHEREAS this easement will serve only private properties and the University will receive a fee of \$500.00 for this easement; and

WHEREAS the appropriate University offices have recommended that this easement be renewed:

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 this easement.

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

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**IMPROVEMENTS IN HOSPITALIZATION, SURGICAL-MEDICAL, MAJOR
MEDICAL, UNIVERSITY ALTERNATIVE HEALTH PROGRAM, AND
DENTAL PROGRAM BENEFITS**

Resolution No. 88-70

Synopsis: Improvements in the hospitalization, surgical-medical, major medical, university alternative health program, and dental program benefits are proposed.

WHEREAS the Board of Trustees in previous resolutions has awarded the coverage and subsequent improvements of the hospitalization program to Blue Cross of Central Ohio, surgical-medical and major medical programs to the John Hancock Mutual Life Insurance Company, dental program to Community Mutual Insurance Company and the University Alternative Health Program reinsured by the John Hancock Mutual Life Insurance Company; and

WHEREAS the Faculty Compensation and Benefits Committee along with other appropriate University offices has made a comparative analysis of the programs' components, and based on this review has recommended improvements to these programs:

NOW THEREFORE

BE IT RESOLVED, That the major medical maximum per person life time benefit be increased from the present \$250,000 to \$500,000. This new \$500,000 maximum major medical benefit would continue to be renewable at the rate of \$10,000 per year, with an estimated annual cost to the University of \$10,000; that the pregnancy coverage for faculty/staff and spouses be extended to include dependent daughters, with an estimated annual cost to the University: Blue Cross \$26,000, John Hancock \$23,000, and UAHP \$49,000 since UAHP provides hospitalization, surgical-medical

December 3 and 4, 1987 meeting, Board of Trustees

**IMPROVEMENTS IN HOSPITALIZATION, SURGICAL-MEDICAL, MAJOR
MEDICAL, UNIVERSITY ALTERNATIVE HEALTH PROGRAM, AND
DENTAL PROGRAM BENEFITS (contd)**

and major medical coverages; and that the dental program benefits be improved as follows:

	<u>Present</u>	<u>New</u>
Maximum annual benefit for preventive and restorative services	\$750	\$1,000
Maximum lifetime benefit for orthodontic services for dependent children under the age of 19	\$500	\$1,000

The estimated annual cost of the increase in the annual benefit is \$63,364 and for the orthodontic improvement \$36,012; the faculty/staff will pay one-half of the additional premium for their dependents; and

BE IT FURTHER RESOLVED, That effective January 1, 1988, the above benefit improvements be implemented under the above group programs.

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

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**SALE OF TRANSPORTATION RESEARCH CENTER OF OHIO TO
HONDA OF AMERICA MANUFACTURING, INC.**

Resolution No. 88-71

Synopsis: Authorization is requested to execute the necessary legal documents to transfer property owned by the University at the Transportation Research Center of Ohio and to complete the sale of the Transportation Research Center to Honda of America Manufacturing, Inc.

WHEREAS the University has a legal interest in some of the land on which the Transportation Research Center of Ohio is located; and

WHEREAS the Transportation Research Center of Ohio is to be sold to the Honda of America Manufacturing, Inc.; and

WHEREAS it is necessary for the University to execute documents, including, but not limited to, execution of deeds of its property at the Transportation Research Center for the completion of this transaction; and

WHEREAS the appropriate University officers have recommended that the University participate in the sale of the Transportation Research Center to Honda of America Manufacturing, Inc.:

NOW THEREFORE

December 3 and 4, 1987 meeting, Board of Trustees

**SALE OF TRANSPORTATION RESEARCH CENTER OF OHIO TO
HONDA OF AMERICA MANUFACTURING, INC.**

BE IT RESOLVED, That the President and/or Vice President for Business and Administration, on behalf of the Board of Trustees, be authorized to execute any and all necessary legal documents, including, but not limited to, the execution of deeds of University property at the Transportation Research Center, to complete the sale of the Transportation Research Center of Ohio to Honda of America Manufacturing, Inc., on terms and conditions that they determine to be in the best interest of the University.

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

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**LEASE OF LAND
TO THE OHIO BUILDING AUTHORITY**

Resolution No. 88-72

Synopsis: Lease of approximately 15 acres of University land south of Lane Avenue between North Star and Carmack Roads, Columbus, Ohio, to the Ohio Building Authority for the financing and construction of a State data center is proposed.

WHEREAS the State of Ohio Department of Administrative Services, Division of Computer and Information System Services (DAS), proposes to construct a new facility to house the State's administrative computing and communications operations and is interested in locating this facility on the campus of The Ohio State University; and

WHEREAS the University has approximately 15 acres of undeveloped land between North Star and Carmack Roads, south of Lane Avenue, in Columbus, Ohio, which land could be made available for this purpose; and

WHEREAS the Ohio Building Authority proposes to finance the construction of the facilities and improvements; and

WHEREAS location of this State data center on the University's campus could be mutually beneficial to the University and DAS and the appropriate University offices have determined that the lease of this land to the Ohio Building Authority for this purpose is in the best interest of the University:

NOW THEREFORE

BE IT RESOLVED, That the President and/or Vice President for Business and Administration be authorized, on behalf of the Board, to negotiate, and enter into, a lease of approximately 15 acres south of Lane Avenue between North Star and Carmack Roads to the Ohio Building Authority for the purpose of providing a site for a new State data center, at an appropriate market rental rate, with University approval of the facility's site and design plans and upon such other terms and conditions as are deemed to be in the best interest of the University and to develop and execute the necessary legal instruments for this lease.

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**LEASE OF LAND
TO THE OHIO BUILDING AUTHORITY (contd)**

Mr. Jackson:

I think there are two people who would like to address the Board regarding this lease. Mr. Richard King, who is the City Manager of Upper Arlington, has asked to say a word or two. Richard, if you would like to come forward to the table and microphone, we would appreciate it.

Mr. Richard King:

Chairman Redman, Ladies and Gentlemen of the Board, and President Jennings, since August 1987, I and many members of my staff have been involved with University officials, State officials, and City residents in the College View subdivision of Upper Arlington, to determine and then assess the impact of the State Data Center proposed for OSU land on the east side of North Star Road, just south of Lane Avenue. In the beginning of this effort, because good information for any of the parties was unavailable or incomplete, the perceived enormity of the project, fueled by significant rumors and what I will call intrigue, was viewed as a potentially serious encroachment on the quality of the residential environment to the west. Despite the attempts by OSU representatives to ease concerns through public discussions of draft development standards, Upper Arlington residents were justifiably frightened and prone to believe the worst. The issue was further complicated in these early stages as the two parties, The Ohio State University and the City of Upper Arlington -- two parties that had really never worked together at the highest levels of their respective organizations on such a major problem -- needed to reconcile broader topics of style, philosophy, and approach. These early rough waters were successfully negotiated and established a basis for where we are today, which is an area of information sharing, joint problem solving and increasing levels of acceptance. Today, I tell you that the City administration is comfortable with the terms of the proposed lease as they relate to site access, building set back, and building height. We view them as an acceptable package forming the basis for minimal impact on the residential neighborhood; however, that basis we're confident will be enhanced by completion of the site development parameters generally referenced in the lease documents that you have, a process to which the City has been invited to make a contribution. We are grateful for that opportunity and will respond with our best efforts. We are confident about our contributing to the content of the site development parameters and we will do so cognizant they have a strong draft effort now already responsive to elements of neighborhood concerns.

In summary, the City is pleased with the evolution of the relationship with the University, with the substance of standards produced by that relationship, and with the opportunity for further input. I appreciate this opportunity to speak to you this morning and will be glad to respond to any questions or inquiries that you have.

December 3 and 4, 1987 meeting, Board of Trustees

LEASE OF LAND
TO THE OHIO BUILDING AUTHORITY (contd)

Mr. Barone:

Are there any questions?

Mr. Redman:

I just want to say to, Mr. King, that I am an old resident of that area. I built a house at the corner of Berkshire and Beaumont in 1941. I lived there ten years and know lots of folks in that area. I received perhaps fifteen to twenty letters from residents presently there and I appreciated their concerns. I responded to all the letters that I received, assuring the residents that Ohio State was interested in being a good neighbor. I think that most of the folks were properly concerned about what was going to be built next to their houses and I assured them that we would give every consideration to that, short of denying the University the right to use its own land. Most folks agreed that that was appropriate and I think it is a good solution, that Mr. Jackson has outlined, to the entire problem. However, I must say that I agree with you about a continuing dialogue between the University and the City of Upper Arlington and in any other matters that may come between us. So, I just wanted to give you that assurance, Mr. King.

Mr. King:

Thank you.

Mr. Teaford:

I think, too, Mr. Chairman, the Board appreciates your coming and reporting to us when something happens favorably, as well. I think that is very comforting.

Mr. King:

I know that feeling, as well.

Mr. Barone:

We want to thank you, Mr. King, for your presentation and especially since you completed the presentation smiling.

Mr. Jackson:

Thank you, Richard.

Mr. Barone:

At this time, we also have Dr. Medard Lutmerding --

Dr. Medard Lutmerding:

Mr. Redman, Ladies and Gentlemen of the Board of Trustees, and President Jennings, The Ohio State University shares three of

December 3 and 4, 1987 meeting, Board of Trustees

**LEASE OF LAND
TO THE OHIO BUILDING AUTHORITY (contd)**

Dr. Lutmerding: (contd)

its borders with the City of Columbus and one with Upper Arlington. I represent the neighbors living along the Upper Arlington border. As neighbors, we were very concerned about the plan to lease part of the farmland on North Star Road to the State of Ohio for a State Computer Center.

Naturally, we hate to see the loss of open space along the North Star corridor, with its unobstructed panoramic view of the Olentangy River Valley and the City.

For several months, despite our efforts, The Ohio State University did not welcome our efforts to affect the development nor understand our concerns. Only recently has The Ohio State University administration been working closely with the City Manager of Upper Arlington, and through him, the Citizens Committee.

What is on your agenda today gives us modest hope that the development, when it comes, will not destroy the character and quality of our neighborhood which we think is an enormous asset to the University. We feel that the University has a unique opportunity to develop a showcase research park. Any new development should have a campus environment equal at least to the Oval. It should also reflect a design quality that recognizes the scale and residential character of the neighborhood. Please remember that the City of Upper Arlington is the western gateway to The Ohio State University. This quality residential neighborhood on the immediate border of the future research park will make it more attractive to future tenants and more valuable to Ohio State.

We are aware that the lease document contains three standards concerning development:

1. No access from North Star Road
2. A building height limitation of 50 feet
3. A setback of not less than 150 feet

We are also told that Ohio State University administrators will subsequently execute a document clarifying and embellishing these standards. These clarifications and embellishments will be of utmost importance to our acceptance of the development. If these additional promises are fulfilled, we feel that we can accept the development with regret, but with some comfort.

There are still certain reservations, including:

1. Noise levels
2. Lighting intensity
3. Landscaping
4. Development quality

December 3 and 4, 1987 meeting, Board of Trustees

**LEASE OF LAND
TO THE OHIO BUILDING AUTHORITY (contd)**

Dr. Lutmerding: (contd)

Additionally, we still intend to explore the possibility of increasing the current setback if possible, by working directly with the State Architect's Office. We view the 150 foot dimension as minimally acceptable.

We feel that we have set an example of responsible restraint. We fully realize that this property does not belong to those of us living along its edge.

We do hope that the recent display of cooperation with the City of Upper Arlington will continue. Much can be accomplished for both sides with meaningful dialogue and an open exchange of ideas.

The community, as a whole, is looking at this project as a precedent to how future development of the corridor will progress. If this project is done properly, the University can count on the support and cooperation of the citizens of Upper Arlington. Thank you.

Mr. Barone:

Thank you, Dr. Lutmerding. Does any one want to ask Dr. Lutmerding any questions?

Mr. Teaford:

I would just like to add that I certainly agree that the neighborhood committee has indeed acted very responsibly on this and I think that has had much to do with getting a successful resolution. We do appreciate it.

Mr. Barone:

Mr. Jackson, will you confirm Dr. Lutmerding's statement in his report?

Mr. Jackson:

Yes. I appreciate your comments and I think in the early days of communication there wasn't anything to communicate. I know some people are not quite sure they believe that, but there wasn't very much to communicate. I think that the communication has improved and we look forward to continuing to work with you. I guess I would like to point out that in light of your one comment about the land utilization, as we see this project at this point, and we don't know any more about it than you do really, but it looks like the land utilization is somewhere in the neighborhood of about 35%. Which for a fifteen acre sight is relatively small, but that doesn't mean anything if it isn't done right. And we would agree with you on that. So, we are looking forward to the development of this project and we will continue to work through Richard, to you, and appreciate your

December 3 and 4, 1987 meeting, Board of Trustees

**LEASE OF LAND
TO THE OHIO BUILDING AUTHORITY (contd)**

Mr. Jackson: (contd)

comments and your coming here today. Thank you. Mr. Chairman, we would ask for your approval of this resolution.

Mr. Redman:

I would like to make one comment, Mr. Jackson. In the resolution itself, I don't see any reference to the \$1,800,000, that you mentioned we are to receive.

Mr. Jackson:

Mr. Chairman, I think, back under Tab 6 you will find, under the additional information, it talks about the \$1,800,000.

Mr. Redman:

So, am I to understand that that now has been determined?

Mr. Jackson:

Yes, that is correct.

Mr. Redman:

Then you are satisfied that we are going to receive that. Thank you.

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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Mr. Barone:

Mr. Chairman, at this time I would like to call on Mr. Ihrig to speak on the Cost Containment Program.

Mr. Ihrig:

Thank you, Mr. Barone. The 1987-88 budget approved in July included \$12 million in targeted annual savings to be generated by the University's inaugural cost containment program. Today we are able to report to you that the efforts of the University Faculty and Staff resulted in cost reductions that will generate annual savings totalling \$12,541,166, which is 5% over goal, as shown in the chart under Tab 7. For these efforts, eligible faculty and staff at Ohio State are being recommended to receive one-time bonuses which range from \$439 to \$575 as shown on the second chart under Tab 7. Based upon the recommendation of the Faculty Compensation and Benefits Committee, the individual faculty bonuses will be returned to their departments for use as discretionary enrichment funds. Deans and members of the President's Staff are excluded from receiving bonuses.

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Mr. Ihrig: (contd)

The process, created last winter, began with the setting of targets and providing the call for cost containment proposals from all colleges and offices, including earnings units. The only areas excluded were restricted operations in which external agencies defined the use of the funds, such as sponsored research projects as well as gift and endowment income accounts. Also, employees under collective bargaining agreements were not included since the program was not a part of their agreement.

We began the program with a great deal of communication throughout the University that included: a brochure; On Campus articles; articles in the Lantern; group meetings throughout the University with slide presentations; meetings with the various Senate Committees including the Fiscal Committee, Senate Steering Committee, the Faculty Compensation and Benefits Committee; as well as the Staff Advisory Committee.

Many colleges and offices have established their own internal cost containment committees; used their own publication activities to promote the program and to solicit suggestions; and held many meetings throughout the University. In August we received 540 individual proposals from the colleges and offices which totalled over \$13 million. At that time four-person review teams were created from volunteer faculty, staff and students of the University and 136 individuals participated in these review teams. The teams were to review each of the cost containment proposals in areas other than their own and to look at the criteria for judging the cost containment proposals: true annual cost savings to the University, in that the cost savings would continue on a regular basis; that they were not passing costs on to other parts of the University, in other words the costs were a net reduction to the entire University; and quality must be maintained or enhanced.

In the final review of results of these activities and these proposals that were done throughout October and November -- while about a half a million dollars worth of proposals did not pass the scrutiny, the net amount of the \$12.5 million did pass and have been approved. And they are in the process now of making the internal budget adjustments between the various units and developing the cash balances.

It is important to note that the purpose of Cost Containment is not only to create internally generated resources by reducing annual operating costs while enhancing quality, it is also directed at opening the decision-making processes throughout the University to involve all faculty and staff. Prior reallocation programs are top-down driven, with the few hundred managers making the decisions where to cut. The intent of Cost Containment is to involve the thousands of faculty and staff to question not only whether we are doing things right, but more importantly, are we doing the right things. Thousands of intelligent people motivated to become more involved in finding ways to improve instruction, research and support services,

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Mr. Ihrig: (contd)

while cutting costs, are much more effective than a few hundred directing the efforts.

This is not to say that our faculty and staff haven't been working to maintain a cost-effective University -- Ohio State's faculty and staff have always been extremely cost conscious. This program is to challenge each of us to extend our efforts to do even more by going beyond making operations efficient, to finding better, more cost effective ways to enhance teaching, research and support services.

The first year results have been more than successful in generating the targeted annual savings; however, we have been less than successful in effectively communicating with our associates throughout the University the intent and purpose of this new Program. Therefore, we are now talking with department chairs and members of various committees to receive their ideas for improving the 1988 cost containment programs. The feedback is spirited and healthy -- and is providing us with good insights regarding areas for improvement. When the bonus checks, along with letters, are distributed explaining the program to eligible faculty and staff in mid-December we hope to gain even more interest on the part of all the faculty and staff in how to improve this program as we look forward to establishing this for the next year. I would be glad to respond to any questions about the program and we are recommending it for your approval.

Mr. Teaford:

Mr. Chairman, too, I think that everyone should realize that the administration does understand that more communication on this subject is still necessary. And I think the other thing that everybody needs to know is that contrary to what Secretary Bennett says, this University is remarkably good at not wasting money. This is just one more effort to improve on an already good situation.

Mr. Berry:

Other than that how much -- assuming the goals are met and everything, what dollars are we talking about in bonuses?

Mr. Ihrig:

The bonus amount will be just over \$5.3 million. The final exact number is still being worked on, but it is between \$5.3 and \$5.4 million.

Mr. Berry:

So what you are saying is, we achieved \$12.5 million and we pay back \$5.3 million.

Mr. Ihrig:

That is correct.

December 3 and 4, 1987 meeting, Board of Trustees

Mr. Berry:

So we saved a net of \$7 million.

Mr. Ihrig:

For this year. But the \$12.5 million is recurring continuing savings, where the bonus is a one-time savings this year.

Mr. Berry:

All right.

Mr. Teaford:

Also, it is important to notice that the professional staff is not taking the bonuses. The faculty are having those bonuses go to their departments.

President Jennings:

Yes. The faculty -- that was on the recommendation of the Faculty Compensation and Benefits Committee. They felt it would be more appropriate to return the equivalent bonus money to the department for the betterment of the individual department, rather than to the individual faculty member.

Mrs. Bowser:

Mr. Ihrig, did I hear you say that next year's program is in the process of being discussed.

Mr. Ihrig:

That is correct. Through all of these open discussions we have had letters from individuals which we are responding to, and we have a lot of good ideas which we are evaluating at this time to make a full set of recommendations for next year.

Mrs. Bowser:

So you are taking all of the communication efforts that you can in order to --

Mr. Ihrig:

Yes. This is a learning process for all of us. It has not been done in higher education and it has very seldom been done even in many service industries. So we are plowing new ground and our associates from around the country are watching us very carefully, especially the private schools, they are very interested in what we are doing.

Mr. Barone:

Do you have additional pamphlets on this program? Can anyone

December 3 and 4, 1987 meeting, Board of Trustees

Mr. Barone: (contd)

have them? I think they are self-explanatory and very helpful. If anyone desires one, they can obtain one from you?

Mr. Ihrig:

Yes, that's correct.

Mr. Barone:

Any further discussion? Thank you, Mr. Ihrig.

COST CONTAINMENT PROGRAM

Resolution No. 88-73

Synopsis: Ratification of the University's 1987 "Cost Containment" program and bonus is proposed.

WHEREAS the President has proposed and implemented a Cost Containment program for 1987 which sought to reduce annual operating costs by \$12 million; and

WHEREAS this new program was designed to enhance the University's continuing efforts to more efficiently utilize institutional resources in the face of stabilized revenue sources; and

WHEREAS a one time faculty and staff incentive was built into the first year cost savings in the form of a bonus for employees if departmental/unit and University goals are met for those eligible faculty and staff on the University's payroll on or before January 1, 1987 and through October 25, 1987 for those individuals paid bi-weekly, or through October 31, 1987 for those individuals paid monthly; and

WHEREAS the 1987 Cost Containment review has been completed which establishes this year's savings as \$12,541,166, a figure in excess of the target; and

WHEREAS the University is now prepared to pay faculty and staff bonuses in amounts calculated according to the formula established in the 1987 Cost Containment program:

NOW THEREFORE

BE IT RESOLVED, That the University, having met its institutional goal of 1987 cost savings, pay to all eligible employees, consistent with the plan set forth in the 1987 Cost Containment program, a one time bonus in recognition of their efforts in achieving effective annual operating savings for the University; and

BE IT FURTHER RESOLVED, That, as recommended by the Faculty Compensation and Benefits Committee, faculty bonus shares be returned to the individual's department, school or division as discretionary enrichment funds.

December 3 and 4, 1987 meeting, Board of Trustees

COST CONTAINMENT PROGRAM (contd)

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

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President Jennings:

Mr. Chairman, I would like to call on Mr. Thompson to make a final recommendation of the Committee.

Mr. Thompson:

Yes, it was recommended this morning that there be ratification of the settlement agreement and execution of this settlement between Earle D. Bruce and The Ohio State University and President Edward H. Jennings. That is recommended for your approval.

SETTLEMENT OF LAWSUIT

Resolution No. 88-74

WHEREAS upon November 20, 1987, a suit was filed in Franklin County Common Pleas Court by Earle D. Bruce against The Ohio State University and Edward H. Jennings, President, known as case number 87CV-11-7430; and

WHEREAS a settlement agreement was entered into and executed on November 27, 1987, between Earle D. Bruce and The Ohio State University and Edward H. Jennings, President; and

WHEREAS the Board of Trustees of The Ohio State University are in agreement that settlement of this lawsuit is in the best interest of the University:

NOW THEREFORE

BE IT RESOLVED, That the Board of Trustees of The Ohio State University hereby affirm and ratify the settlement agreement between Earle D. Bruce and The Ohio State University and Edward H. Jennings, President, and the execution of that agreement.

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

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REPORT - UNIVERSITY'S INVESTMENT PORTFOLIO

Resolution No. 88-75

RESOLVED, That the report on the University's Investment Portfolio, dated November 20, 1987, as submitted to the Fiscal Affairs Committee of the Board of Trustees, be received and filed with the official records of the Board.

December 3 and 4, 1987 meeting, Board of Trustees

Thereupon the Board adjourned to meet Thursday, February 4, 1988, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, at 6:30 p.m.

Attest:

Madison H. Scott
Secretary

Edmund C. Redman
Chairman

THE OHIO STATE UNIVERSITY
OFFICIAL PROCEEDINGS OF THE
ONE THOUSAND TWO HUNDRED AND THIRTY-SEVENTH MEETING
OF THE BOARD OF TRUSTEES

Columbus, Ohio, January 4, 1988

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, Edmund C. Redman, in a special meeting on Monday, January 4, 1988, at 5:40 p.m., The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio.

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January 4, 1988 meeting, Board of Trustees

The Chairman, Mr. Redman, called the special meeting of the Board of Trustees to order on January 4, 1988, at 5:40 p.m. He requested the Secretary to call the roll.

Present: Edmund C. Redman, Chairman, Leonard J. Immke, Shirley D. Bowser, Hamilton J. Teaford, and John J. Barone.

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PERSONNEL ACTION

Resolution No. 88-76 .

Synopsis: Ratification of an employment contract is proposed for John Cooper as Head Football Coach for the Men's Varsity Football Team.

WHEREAS the University has undertaken efforts to identify candidates for the vacant position of Men's Varsity Football Head Coach; and

WHEREAS these efforts have resulted in the interviewing of several highly qualified individuals and the selection of one; and

WHEREAS John Cooper has been chosen by the University administration as the best qualified candidate for this position; and

WHEREAS John Cooper and the University have entered into an agreement which establishes the employment relationship between the parties; and

WHEREAS the Board of Trustees has reviewed the selection of John Cooper and the agreement:

NOW THEREFORE

BE IT RESOLVED, That John Cooper be appointed as Head Coach of the Men's Varsity Football Team, effective January 4, 1988, in accordance with the terms of the December 31, 1987 agreement between John Cooper and The Ohio State University, and that this action be recorded in the Personnel Budget Records of the University.

Mr. Redman made the following statement:

As I mentioned in my statement at the end of last year, the Board of Trustees and the University are very pleased with the selection of John Cooper as Head Coach for the Men's Varsity Football Team. With today's action by this Board, John Cooper has now been officially appointed as our new Head Coach. Parenthetically, I would like to note here that all Members of the Board concur in this action, including those not present for today's meeting.

Coach Cooper is a welcome addition to the football team, the Department of Athletics, the institution and, most importantly, the University community. We are indeed pleased to have the Cooper family -- John, Helen, John Jr., and Cindy join us in Columbus. Coach Cooper has distinguished himself as an individual of great leadership, human insight and integrity. We

January 4, 1988 meeting, Board of Trustees

PERSONNEL ACTION (contd)

Mr. Redman: (contd)

look forward to Coach Cooper's contribution to The Ohio State University and welcome him to the institution.

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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Thereupon the Board adjourned to meet Thursday, February 4, 1988, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, at 6:30 p.m.

Attest:

Madison H. Scott
Secretary

Edmund C. Redman
Chairman

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THE OHIO STATE UNIVERSITY
OFFICIAL PROCEEDINGS OF THE
ONE THOUSAND TWO HUNDRED AND THIRTY-EIGHTH MEETING
OF THE BOARD OF TRUSTEES

Columbus, Ohio, February 4 and 5, 1988

The Board of Trustees met at its regular monthly meeting on Thursday, February 4, and Friday, February 5, 1988, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, pursuant to adjournment.

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Minutes of the last meeting were approved.

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February 4 and 5, 1988 meeting, Board of Trustees

The Chairman, Mr. Redman, called the meeting of the Board of Trustees to order on February 4, 1988, at 6:43 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: Edmund C. Redman, Chairman, Leonard J. Immke, John W. Berry, Shirley D. Bowser, Hamilton J. Teaford, John J. Barone, Deborah E. Casto, John W. Kessler, and Milton A. Wolf.

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The Vice Chairman, Mr. Immke, reconvened the meeting on February 5, 1988, at 10:35 a.m.

Present: Leonard J. Immke, Vice Chairman, Shirley D. Bowser, Hamilton J. Teaford, John J. Barone, and Deborah E. Casto.

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Mr. Immke:

I call upon Dr. Lena Bailey to give her report.

Dr. Lena Bailey

I'm Lena Bailey, Dean of the College of Home Economics, and we are delighted to be invited to share with you information about our hospitality program. This program is one of our newest undergraduate programs -- it has been in place about 3 1/2 years as it is currently implemented. It is one of about 19 or 20 undergraduate options in our College. It is quickly coming to the forefront as one of the most popular undergraduate programs in the College.

I have with me today the Chair of the Department where this program is housed, Dr. Wayne Johnson, on my right, and on my left is Mr. Frank Pauze, who is Director of the Hospitality Management Program. Along with our comments today, we have a few slides we want to share with you and those slides will expand a bit upon the information that was provided to you earlier that dealt with the curriculum and its history, as well as some of our hopes regarding the program for the future. I would like for Wayne to comment a moment or two before Frank shares with you the information we've planned.

Dr. Wayne Johnson:

Thank you, Dr. Bailey. I would just like to make a few comments about the Department of Human Nutrition and Food Management. We have had a very long history and a long tradition of excellence in academic programming in the Department. Particularly in those various fields of dietetics and human nutrition, both at the undergraduate and graduate level. The restaurant management program, as you will hear later, was initiated back in 1946, but in the early '80's a move was made to broaden the restaurant management program and to add a degree in hotel administration.

When I came here in 1983, one of the real challenges that I saw

February 4 and 5, 1988 meeting, Board of Trustees

Dr. Johnson: (contd)

was the opportunity to be able to step in and help to direct the beginnings of the new program. Of course, we wanted to get one of the very best people we could find who had the experience, the educational background, the drive and energy to be able to come in and help us put this program together. We anticipate and we are working toward making it one of the very top in the country. We were fortunate in 1984, to be able to hire Frank Pauze. In my way of thinking, he has done a job for us that very few other people could have done. So, Frank will be telling you the specifics of the program, where we were, where we are now, and where we hope to be in the future. Frank --

Mr. Pauze:

Well, again, that you very much for letting us come here today. We're happy to be in a University that is committed to excellence, that is dedicated to the pursuit of quality. There is no doubt about that -- otherwise I wouldn't be here.

(Start of Slide Presentation)

In terms of where we are housed, we are happy to be housed in the College of Home Economics, another quality oriented part of this University. In terms of ratings, we are proud to say that through Dean Bailey's administration, the College has gone from eighth place in the country, to approximately fifth in 1983. In terms of the hospitality education programs, whether they are called hotel/restaurant programs or hotel/restaurant institution programs, etc., the most recent poll shows Cornell and Michigan State the leaders. They have been the leaders and they have been in the business for about fifty years. We have a way to go to catch up. OSU, quite frankly, was not even on the list back in 1984-85. Another poll will be coming out this year and I hope we make that. You can see that the other land-grant institutions are the ones that are leading the pack.

In terms of the tri-state area, our competition in Ohio rests with Bowling Green and their active and creative program up there; Purdue, that you have probably heard about; and Michigan State. Those are the three programs that are in the tri-state area that really rival us in terms of competition.

As Wayne mentioned, the program was founded in 1945 by a gentleman by the name of Herb Gill, who was a student at the time, along with three of his roommates. They decided that they wanted to get into the restaurant industry, went to the Provost at the time and said let's start a program. In 1982, Dean Bailey headed a task force that looked at the restaurant degree program and redesigned the curriculum and it is the basis of the curriculum that we have today. In 1984-85, this curriculum was implemented with approximately 50 students. We are proud to say that over the three years we have grown quite significantly, we have more than 270 students in the program right now.

The degree is a tagged degree. The piece of paper actually says a Bachelor of Science in Hospitality Management. Some of the

February 4 and 5, 1988 meeting, Board of Trustees

Mr. Pauze: (contd)

students are proud of that because it does not say Home Economics, it doesn't make a difference to us. The majors that they are enrolled in are hotel administration or restaurant management, one of those two options.

We are proud that we have this kind of broad curriculum strength -- by the way, we do know how to spell business, that is not a slander against the College of Business by any means. We have a broad liberal arts base, in the BER area and the undergraduate curriculum, and we support Provost Brand's efforts to broaden that and strengthen that liberal arts base. About 25-30% of our curriculum is in the College of Business, laying the foundation for some of our course work back in Home Economics later on. We have a definite human resource emphasis in the program and one of the corner stones, which we will tell you about in a minute, is the internship program. The bottom line to all of this, though, is that we are really human resource oriented. If you know anything about the hotel and restaurant field, it is a people business. You must meet the numbers, but you also have to be very willing and able to deal with people. And we also, throughout the curriculum, structure analysis and critical thinking skills throughout every single course so that our students are pressed to form analyses and form opinions. We really push them on thinking. So this is not a vocational program by any stretch of the imagination, it is a management program.

Most programs in the country are either housed in what we call a focused area, in a culinary side, focusing on food service or whatever. Other programs, particularly the leaders, are broad based, management oriented, and that is where we tend to envision ourselves -- on the management side.

The enrollment patterns over the last couple of years are a double-edged sword. We are getting increased enrollment with very little advertising, in fact no advertising, word of mouth is spreading. Last quarter we graduated eight students and brought in fifty-three. We have that kind of pattern continuing. Regression analysis on that line, the solid line, would show us capping out at our target of 450 to 500 students in two years. Naturally, with an immature program like this that is growing rapidly, the lag period between faculty resources and the enrollment stats is significant. So what we intend to do is somehow over the next couple of years slow down that enrollment a little bit, so that our lag time between faculty resources and student enrollment can catch up. We would envision that our target enrollment for undergraduates would be 450-500. At that point we would want the full-time equivalency of 12 faculty members and three staff support people.

We are proud to say that over the last couple of years while the enrollment has been doubling and quadrupling, our grade-point average overall has gone up from a 2.2 to a 2.6. So while we are bringing in the students, we are bringing in good quality top-notch students. Four years ago we had one student on the dean's list of 73. Last autumn quarter the dean's list had 69

February 4 and 5, 1988 meeting, Board of Trustees

Mr. Pauze: (contd)

names on it, 16 of which were hospitality management majors.

The real cornerstone of this program lies in what we call progressive management development. Other schools call it internships, work experience, co-ops, practicums, whatever. We do not want to give credits just for going out in the industry and working. Eighty-five percent of our students work 20-30 hours per week in the field while going to school full-time. We don't want to give credits for that. We have developed a three-level internship sequence, a management development sequence, that goes from 5 credits, to 10 credits, to 15 credits. It goes from an hourly position, to a supervisory position in the junior year, to an assistant manager, and then to an entry level career position in their senior years.

The entire internship sequence is based on competency, not hours. When I went to school at the University of New Hampshire in hotel administration, we were asked to put in 1200 hours -- we could have been a waiter for 1200 hours, come back with a letter from your employer, check it off, and get a transcript. We have a competency-based system here where there are certain check lists, certain analyses that have to be done by the students. They meet with a faculty member one-on-one for a half-hour each week for a debriefing as they go through this rotation, and we have check lists and appraisals back from the industry as they go through. We push the critical analysis, the thinking skills throughout the program.

The internship sites when we started in 1984-85, we worked with 4 charter sites in Columbus. And I must say that we have also had requests from different properties in Columbus which we have turned down, based on management teams at the properties. We are not after bricks and mortar. The Hyatt's got a neat lobby, but I can promise you that if the Hyatt's management team wasn't up to par, we would not be working with the Hyatt. This year in 1987-88, we have approximately 250 majors. When this slide was made up, we were working with 12 sites; we now have 14 and we are putting out 47 students each quarter. As we get to 450 majors, we are going to require 90 students per quarter for approximately 24 sites. The industry saturation point at this time, although we have enough properties, we can target about 16 or 17 properties that we would want to work with. As a result, we have a deficit of about 28 students per quarter. If we had a facility that we could house ourselves in, we would be able to handle those 28-30 students in-house. So we are approaching a crunch demand.

The job scene still looks good for grads. Almost every program in the country can tell you that they have 100% placement. That is very easy, because all the programs in the country combined only turn out about 10% of the industry need every single year. The recent poll by Central Michigan said students weren't interested in food service. And before the Board gets upset, if you notice the bottom one is Oklahoma State University, not OSU. In our program, about 70% of the students are in hotel administration, about 30% are in restaurant. In the lodging

February 4 and 5, 1988 meeting, Board of Trustees

Mr. Pauze: (contd)

industry you have rooms only and you have full-service food and beverage properties. Approximately 80% of our grads go into those full-service food and beverage hotels. And 90% of our restaurant grads go into the multi-unit, full-service restaurants. So the headline about students not being interested in the food service is clearly not indicative of our program.

In terms of the industry, I don't know if very many people know this, but the hospitality industry is 10% of the gross national product. Forty-five billion meals per year, almost 3 million room nights, seventy billion pounds of food, fifty-three million pieces of equipment, every single year. The industry employs approximately 6% of the entire population of the United States. So it is a wealth of industry.

We are lucky because Ohio is a hot bed for the hospitality industry. Columbus, as you know, has these corporate headquarters. We are developing a partnership with the industry and as a result we have a middle-management advisory board and a CEO advisory board. Once every six months President Jennings, Dean Bailey, Dr. Johnson, and myself, meet with these five people: Dan Evans from Bob Evans, Pat Ross from Rax, Bill Ingram from White Castle, Bill Denk - CEO of Red Roof, and Jim Pickett. So we are developing that partnership around the industry in terms of our advisory board. Columbus is also the regional headquarters for these kinds of companies and we have a high profile there. When we go to Ohio, there are 57 corporate headquarters from this industry in Ohio -- Dayton has NCR Corporation, the world leader in point of sale computer equipment in the hospitality industry. If we go to Troy, we have Hobart Corporation, again world leader in food service equipment. We go to Stouffers up in Cleveland, L. J. Minor, the list is endless. Proctor and Gamble is the major supplier of amenities packages for the hotels in this field.

In terms of research within this industry these are some of the things we have proposed and ongoing: right now we are developing a robotics food service automation program for some of the fast food companies; Dr. Marion Kramer is working on flexible pouch food storage so that we have a 100% vacuum proof container to store meats at room temperature for a six-month shelf life -- that will help out in terms of food service supply; we have a CEO leadership study going on with McDonalds; and Rax we have a program of looking at consumer dietary studies in the areas of fast foods. What are people eating after they have lunch at McDonalds? Can they counterbalance the Big Mac?

I would like to say that you will probably recognize the slogan for the campaign of "A Distinguished Past -- a Dynamic Future." Our part of the campaign calls for a chair for \$1.5 million. I am glad to say that this morning there is a company that has on its agenda at their board meeting this morning, as top priority, the funding of that chair. So we are very optimistic about the funding of that chair. We have a proposal out for \$50,000 for computer hardware; we already have a guarantee of software

February 4 and 5, 1988 meeting, Board of Trustees

Mr. Pauze: (contd)

packages for about \$40,000, once we get the hardware. We have added \$6,000 a year to our scholarship for hospitality majors, of which 2 of those scholarships are targeted for minorities. Four thousand dollars a year comes in and is added to general support. This particular year we also had approved at the University-level a position for an intern coordinator. It was not funded until 1988-89, so Dr. Johnson went out and got \$7,000 from his internal funding; I hit the bricks and got about \$10,000 from some local companies to carry us through.

So, in general, with the wealth of industry, geography, the work ethic of the students, I guess our slogan is "Carpediem" -- seize the day, seize the opportunity, move forward with quality and excellence. Thank you.

Dr. Bailey:

That concludes our presentation, however we are willing to entertain any questions from you and give it our best.

Mr. Immke:

Any questions?

Mrs. Bowser:

When I came on the Board, Home Economics was a School. Now it is a full College with some very creative programs. I know Dean Bailey had a lot to do with that. I told the participants earlier, I think this is the kind of thing about Ohio State that makes me very proud. We have come a long way in this area, it is an area that there is a demand for, and it is well organized. I appreciated having the materials before the Board Meeting, which doesn't always happen as far as the presenters are concerned. I think it is a fabulous program.

Mr. Immke:

I do, too.

Mr. Teaford:

Mr. Chairman, as you know this is a College which has become near and dear to my heart, since my wife is a graduate student in the College. But I think it is interesting to note, too, that this has historically had a reputation of being a woman's college. We have some evidence here and on our agenda is the appointment of Dr. Davis as the Chair in the department that my wife is in, in Family Relations and Human Development. I think that is also significant in that we will finally realize that this is a department that has a broad-base of interest and in the areas they cover.

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February 4 and 5, 1988 meeting, Board of Trustees

Mr. Immke:

Dr. Spillman --

Dr. Russell Spillman:

President and Members of the Board, I am pleased this morning to present you with another one of our very important student organizations. We have with us this morning representatives of the Residence Halls Advisory Council -- Todd Dailey who is the President and Gary Breakfield who is the Vice President. Todd is from Chillicothe, and he is a senior major in business information systems; Gary is from Sabina, a senior also, majoring in mathematics. They would like to tell you a bit about what is going on in residence halls. Todd, I will turn it over to you.

Mr. Todd Dailey:

Mr. Teaford, President Jennings, and Members of the Board, I would like to thank you today for giving us an opportunity to speak with you. I guess, first of all, Residence Halls Advisory Council is, for the amount of work that we do, a fairly little-known organization on campus. So, first of all, we would like to go through and let the members know just exactly what we are. Residence Halls Advisory Council was formed in 1981 as a subcommittee of the Council on Student Affairs. At that time, our purpose was to review and make recommendations to the Office of Residence and Dining Halls and to advise them on policies from a student perspective. Since then, we have gone on to become an independent student organization of our own and have kept our goal of representing the students' voice on campus. The Office of Residence and Dining Halls has been very supportive of that and they also recognize that our recommendations to them on residence halls policy are very important to them and they are very supportive of us in that respect.

Our voting members consist of the hall presidents of each independent residence hall student government. Also we have liaison officers which represent us to each office of residence and dining halls separate offices: the business office; the administration office; the residence life office; the food service office; and we also have a representative of their security committee. As such, we try best as we can to represent all the interests of residence hall students. This year our goals for 1987-88 school year, we set five goals at the beginning of the year: 1) to promote human awareness on campus; 2) to provide leadership training opportunities for hall council executives on campus; 3) to involve residence halls advisory council with other campus organizations; 4) to strengthen the relationship between residence halls advisory council and the area in hall governments on campus; and 5) to make a commitment to provide alternative programming as a result of the change in the legal drinking age on campus and the whole State. Certainly, these are fairly broad goals, but we think to an extent we can achieve all of these goals or at least make some good progress with these goals. And I believe that our group

February 4 and 5, 1988 meeting, Board of Trustees

Mr. Dailey: (contd)

has done well this year, and I am very proud of all of our members with the amount of work that we have seen put in by them.

So with that I would like to turn over the floor to Mr. Breakfield and he is going to go over some of the specific accomplishments we have achieved this year.

Mr. Gary Breakfield:

Thus far this year we have made some progress toward these goals that Todd mentioned. I would like to go over just a few of the specific things on our agenda that we have accomplished this year.

First of all in the fall, during Alcohol Awareness Week, we sent a contract to each resident in our halls asking them for a commitment, to sign a contract which stated that they would not drink for the extent of Alcohol Awareness Week. I believe we made it about a five-day period. We hoped that students that did have a drinking problem that it might actually click with them when they attempted to stop for 4 or 5 days and found that they had some problems with it. Hopefully, they may actually go out and seek some help. That was our goal for the program.

We have also funded some different awareness type programs. One in particular, the Karen Thompson Program, was held the beginning of last November and concerned civil rights. Presently we are involved, as anybody that reads the Lantern would know, with the issue of condom sales in the residence halls and AIDS awareness education to the residence halls students. We are in the process of conducting a survey with the polymetrics lab to determine how the residents feel about the situation. We are also in an ongoing process of educating the students through different programming as to the different aspects of sexually transmitted diseases. We are in the process of trying to obtain a company to come on The Ohio State University Campus and rent lofts to students for the residence halls. We are trying to avoid the problem that evolve when students making their own. Sometimes they don't exactly follow the loft construction guidelines, and they can be unsafe and fire hazards. We have companies that are willing to come in with fire safe lofts and we are in the process right now of seeing if we can find a suitable arrangement with one of those companies.

We are working with the security policy with the residence and dining halls as to the security of the doors at night, the access in and out, and the traffic of the residence halls during different hours of the day. We are trying to make it as convenient as possible for the residents, as well as making the residence halls as secure as possible.

We are representing Ohio State -- over Halloween weekend we went to Syracuse and represented Ohio State residence halls at the North Atlantic Association of College University Residence Halls Convention. And I believe in April we will be going to the

February 4 and 5, 1988 meeting, Board of Trustees

Mr. Breakfield: (contd)

University of Wisconsin-La Crosse for the national convention and representing Ohio State there.

We have not fulfilled all of the goals that we have set for ourselves thus far this year. Still on our agenda, we are going to attempt as much as possible to involve minority support groups in the Residence Halls Advisory Council. Groups such as the Black Association of North Campus Students, the Olentangy Association of Black Students -- I'm not sure of the name of the south area group for a black support, the Asian Support Group -- we are trying to involve them as much as we can and get them involved in RHAC so we can help them and they can help us in trying to work out what some call a racism problem here at Ohio State.

We also intend to restructure our constitution to better facilitate our goals. Our constitution was written in 1981 and with the evolution of our group it has been somewhat outdated. We are going to try and restructure it so that the constitution facilitates our needs and will allow us to direct our group toward the eventual goals that we have for the group. We are going to attempt to incorporate graduate residence halls and graduate living environments into the Residence Halls Advisory Council, such as Jones Tower and Morrison Tower, and now we have a new situation in Park Hall, where we have graduates and undergraduates living in the same building. We want to set down long-range goals for our group, not just until the end of Spring Quarter, but possibly goals that can be attained over the next 3-4 years. What could be done here on campus such as the -- there are endless possibilities of what could be done for the residence halls students through our organization.

That, right now, is where our group stands as far as the actual implementation of programming and procedures.

Mr. Immke:

Thank you. Any questions of either Todd or Gary?

President Jennings:

I think it might be enlightening for all of us if you would explain what a loft is.

Mr. Breakfield:

I'm the Chairperson of the Loft Committee. What it is, essentially, in some of the rooms -- right now the most feasible place to put them is in the south campus in the Olentangy doubles. The beds are on the floor, and what a loft would do is add a structure to place the bed on so it goes approximately 4 1/2 to 5 feet in the air and you can put a desk or a couch underneath there. As many can tell you, the residence halls rooms can be cramped at times. It is a way to allow more and better utilization of the space and make the residence halls rooms seem much larger and much more spacious.

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Mrs. Bowser:

You can actually build those in the rooms? I hate to walk in St. John's under the scoreboard, I would be --

President Jennings:

That is what their committee is all about, to perhaps put some regulations into the construction of these because they can get a little --

Mr. Breakfield:

The University has very strict guidelines as to exactly what materials need to be used in building lofts. That shuts off to most students the possibility of actually putting one in. So what we have done, is we have contacted some outside companies which would build them to specifications and rent them to students.

Mrs. Bowser:

I am surprised that some enterprising student hasn't gone into the loft construction business.

President Jennings:

Sure. Well that is probably what is going to happen is somebody -- when they go for bids to rent these. But it is basically a high bunk bed --

Mr. Immke:

Thank you both. Thank you, Dr. Spillman.

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Mr. Immke:

I would like to call on John Barone now for a Research Foundation Committee report.

Mr. Barone:

Mr. Chairman, on the Research Foundation I am happy to report that the Research Foundation grants and contracts for the months of November and December 1987 are shown in the Board agenda book. There are 160 awards listed which provide a gross income of \$13.7 million.

For the first six months of the fiscal year (July 1 to December 31) we received 602 awards with a gross income of \$54.1 million. This compares to the first six months of the last fiscal year, in which we had 512 awards with a gross income of \$45.6 million. This represents an 18.45% increase in funding for the six month period.

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Mr. Barone: (contd)

Approximately 70% of the funds received in December came from the federal government. These awards were spread among all of the usual federal agencies except for the Departments of Energy and Education. In the case of the Department of Education, we failed to receive the renewal award of more than \$5 million for the National Center for Research in Vocational Education. In spite of this loss, overall federal funding remains up by 5.05% for the first six months of this fiscal year. Increases were received in all other funding sectors for the month of December, however the rate of growth was less than that experienced in previous months.

Some highlights of awards for November and December are:

- * \$4.5 million award from the Department of Labor, Bureau of Labor Statistics, to Professor Randall J. Olsen of the Center for Human Resource Research to support a continuation of the National Longitudinal Surveys of Labor Market Experience. That is a little different from our President, when he said how much money was given for research in cranberry juice.
- * \$527,000 grant from the government of Indonesia to Professor James J. Buffer of the Department of Education Administration to provide professional development teacher education programs for the faculty of the Institutes for Teacher Training and Education in Indonesia.
- * \$500,000 award from the National Science Foundation to Professor P. E. Kolattukudy of the Biotechnology Programs to provide equipment for an integrated plant propagation facility.
- * \$365,653 award from the National Institutes of Health to Dean Manuel Tzagournis of Medicine Administration and Professor William B. Malarkey of the Department of Internal Medicine to support continuation of the General Clinical Research Center. (This is a partial funding; approximately \$1.0 million more is expected this fiscal year.)
- * \$252,424 contract from the National Institutes of Health to Professors Lawrence E. Mathes, Richard G. Olsen, and Melinda J. Tarr of the Department of Veterinary Pathobiology for continuation of work to develop animal models infected with retroviruses for testing of antiviral agents.

These, of course, are only a few of the awards received by University faculty members these past two months. I would strongly suggest that each of you consult the full listing provided for additional information which I have placed in the hands of Madison Scott. I would like to bring out along with that a little background information that was made. For example: \$4,498,900 was given to the National Longitudinal Surveys of the Labor Market. This work is performed and involves all the tasks necessary to complete the tenth round of the National Longitudinal Survey of Labor Market Experience for

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Mr. Barone: (contd)

the youth cohort. They will be preparing the data tape from the 1987 and 1988 surveys of young women and developing questionnaires for the 1989 survey for the mature women. Data tapes will also be prepared for the 1987 survey of the mature woman.

Along with that, I would like to bring out one other factor and that is along with the slides what we saw today, there has been a \$500,000 grant for the integrated plant propagation facilities in the Biotechnological Programs with Dr. P. E. Kolattukudy. The Ohio State University Biotechnological Center has chosen to build a center of excellence in plants, microbes and their interactions. A group of scientists involved in the molecular biology of plants and their interaction with microbes are being housed in a well-equipped, newly modeled laboratory. And a new group of about 10 faculty members will join this intercollegiate program.

Dr. Tzagournis and Dr. Malarkey are working at The Ohio State University Clinic Research Center to provide a controlled environment for clinical investigations that is not found under the general medical ward. Also to ensure that research studies progress as smoothly and efficiently as possible by providing a staff of skilled professionals to help investigate and conduct their research. This research unit affords OSU scientists, both basic and clinical, the opportunity to seek pathological and psychological insights into the diseases and mechanisms, develop new diagnostic tests, and pursue new treatments and methodologies. It is the only arena for testing new developments from the laboratory and exploring the relevance to man. I suggest to Dr. Tzagournis and Dr. Malarkey that this should be a very interesting and successful program that the University Medical School can be very proud of. Jack, do you have anything you want to add on to this?

Dr. Jack Hollander:

No.

Mr. Barone:

I think that Jack is doing a tremendous job. I don't know what we would do in the research program without him. And the longer I get to know him, he amazes me with what he is doing on behalf of research at OSU. I think that we all owe Jack a tremendous amount, because he is doing a tremendous work and I hope he lives forever and stays here forever. That is the end of my report.

Mr. Immke:

Thank you, John. Mrs. Bowser, will you give the Hospitals Board report?

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Mrs. Bowser:

With your permission, Mr. Immke, I am going to highlight some of these items rather than read the full minutes. The Hospitals Board's Executive Committee met both December 17 and January 28. We have had two meetings since we last met. We have recommended to the Board of Trustees the Medical Staff appointments which appear before you.

The Joint Commission on Accreditation of Hospitals has completed its survey and they met with key people both from the Medical Staff and from the Hospitals Board, and we have had conferences about that. There were very few deficiencies, but that preliminary report will be presented within the next 60 days.

The Hospitals Board is beginning to implement a reorganization of the Board. We have brought this to you before. There will be three committees: 1) the Strategic Planning Committee; 2) the Administration/Operations Committee; and 3) the Professional Affairs/Research Committee. We hope that this will modernize, so to speak, our responsibilities in these different areas. We will keep you posted as to how that is coming along.

I know that there has been some interest on the Board about the Comparative Analysis not only of hospitals locally, but hospitals in the Big 10 and mid-west. We are beginning to gather some data on that. I think it was surprising that the findings did not show as much as we had anticipated they would. But we will be bringing some of those reports to you as they occur.

Dr. Mekhjian brought to our attention at the last Board meeting the good cooperation we have with the VA, which is located to the west of our campus, and he hoped that would continue. There are some negotiations going on, but they are being handled well.

Dr. David Schuller is heading a committee for Ambulatory Surgery which is taking a look at what we are doing and seeing if we need to upgrade or make any changes, whether we should upgrade our present facilities or move to a different location. Those were very interesting findings and that will be continued to looked at.

And, lastly, Mr. Jackson reported that the Cancer Hospital is having a few difficulties, but he is on top of it and it looks like it is progressing as fast as humanly possible. He is taking every step possible to see that we get in there eventually -- seeing that we have level floors, and the right color bricks, and all the things that are important.

I would be happy to discuss any of this or answer any questions, but it is before you.

Mr. Immke:

If not level floors, at least all the slants going in the same

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Mr. Immke: (contd)

direction -- parallel floors. Any questions? That concludes our committee reports.

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AMENDMENTS TO THE RULES OF THE UNIVERSITY FACULTY

Resolution No. 88-77

Synopsis: Amendments to rules 3335-5-46, 3335-5-47, 3335-5-471, 3335-5-472, 3335-5-473, 3335-5-474, 3335-5-48, 3335-5-481, 3335-5-482, 3335-5-483, 3335-5-484, 3335-5-485, 3335-5-486, 3335-5-487, 3335-5-488, 3335-5-489, 3335-5-4810, 3335-5-4811, 3335-5-4812, 3335-5-4813, 3335-5-4814, and 3335-5-4816 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 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 December 5, 1987, as follows:

AMENDED RULES

3335-5-46 Senate committee operating procedures.

The university senate shall have committees designated as organizing, standing, or special.

(A) Membership.

- (1) Unless otherwise designated by rule, the president shall appoint all committees of the university faculty and the senate (see paragraph (D) of rule 3335-3-03 of the Administrative Code).
- (2) When a rule provides for the option of selecting a designee to a committee, the designee shall be appointed by the person being replaced.
- (3) Committee vacancy.
 - (a) The chairperson will report vacancies to the appropriate nominating source through the office of the university senate. For the purpose of this rule, a vacancy exists when an elected member is unable to meet the participation requirements defined by the committee.
 - (b) When an unexpired term becomes vacant, the vacancy shall be filled in a manner consonant with the original method of committee selection. A member selected to fill such a vacancy shall serve for the duration of the unexpired term.
- (4) The membership of each committee shall be made known through the report of the secretary of the university senate.

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(5) Terms of service.

Unless otherwise specified by the rules, terms of service of senate committee members shall begin and end on the first day of autumn quarter.

Balance unchanged.

3335-5-47 Organizing committees of the senate.

(A) unchanged.

(B) Membership.

(1) The president shall appoint members of the administration; the council of graduate students, the inter-professional council, and the undergraduate student assembly shall select members of their own constituency using procedures adopted by their respective bodies. Members of the faculty council serving the following year shall elect members of the faculty from a ballot prepared by the executive committee of the faculty council. The ballot shall be based on nominations solicited in writing from the faculty. The executive committee of the faculty council shall provide the steering committee with the opportunity to make suggestions for additions to or deletions from the ballot before it is distributed to the faculty for voting. The ballot shall include at least one more name than there are positions to be filled and shall provide space for write-in votes for each committee.

(2) Only members of the senate may serve on organizing committees.

(3) Terms of service.

(a) Faculty members shall serve two-year terms and shall not be eligible for immediate reelection until one full year has elapsed unless they have served less than two-thirds of a full term.

(b) Student members shall serve one-year terms and shall be eligible for reappointment.

(c) Appointed administration members shall serve two-year terms and shall not be eligible for immediate reappointment until one full year has elapsed unless they have served less than two-thirds of a full term.

(d) Multiyear terms shall be staggered so that approximately equal proportions of the number of members retire each year.

Balance unchanged.

3335-5-471 Steering committee.

(A) Membership.

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The steering committee shall consist of fourteen members.

- (1) Six regular faculty all of whom are members of the senate, elected by faculty council. The term of service is two years.
- (2) Four students.
 - (a) The president of the council of graduate students.
 - (b) The president of the inter-professional council.
 - (c) The president of the undergraduate student government.
 - (d) One appointed by the undergraduate student government from the undergraduate student membership of the senate. The term of service is one year.
- (3) Four administrators.
 - (a) The vice president for academic affairs and provost.
 - (b) The vice president for finance.
 - (c) The secretary of the university senate (non-voting).
 - (d) A dean who is a member of the senate, appointed by the president. The term of service is two years.

(B) Duties and responsibilities.

- (1) Be the senate's committee on committees: the steering committee shall have the power to call, by 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) Review the structure, operation, and effectiveness of the senate and its committees. It shall receive suggestions, review proposed rule changes, and initiate recommendations for change in the structure and operation of the senate, including structure, duties, and responsibilities of senate committees, without, however, in any way restricting the senate's authority to alter its operations by other means. The steering committee may also review other proposed rule changes prior to presentation to the senate.
- (3) Serve as a channel of communication between the senate and the president and the board of trustees. 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 members of the steering committee may request and obtain a meeting with the board of trustees.

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- (4) Meet at least once every year with the chairperson of each standing committee.

(C) Organization.

- (1) For the period of time beginning with the selection of its members in spring quarter and ending with the start of the autumn quarter, the steering committee shall consist of the newly selected and continuing members. During this period, the outgoing members shall serve as alternates.
- (2) The committee shall annually elect a chairperson from its regular faculty membership.
- (3) As an organizing committee of the senate, this committee is also governed by the provisions of rules 3335-5-46 and 3335-5-47 of the Administrative Code.

3335-5-472 Program Committee.

(A) Membership.

The program committee shall consist of nine members.

- (1) Four regular faculty all of whom are members of the senate, elected by faculty council. The term of service is two years.
- (2) Three students all of whom are members of the senate.
 - (a) One graduate student selected by the council of graduate students. The term of service is one year.
 - (b) One professional student selected by the inter-professional council. The term of service is one year.
 - (c) One undergraduate student selected by the undergraduate student assembly. The term of service is one year.
- (3) Two administrators.
 - (a) unchanged.
 - (b) A dean who is a member of the senate, appointed by the president. The term of service is two years.

Balance unchanged.

3335-5-473 Rules committee.

(A) Membership.

The rules committee shall consist of ten members.

- (1) Six regular faculty all of whom are members of the senate, elected by faculty council. The term of service is two years.

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AMENDMENTS TO THE RULES OF THE UNIVERSITY FACULTY (contd)

- (2) Three students all of whom are members of the senate.
 - (a) One graduate student selected by the council of graduate students. The term of service is one year.
 - (b) One professional student selected by the inter-professional council. The term of service is one year.
 - (c) One undergraduate student selected by the undergraduate student assembly. The term of service is one year.
- (3) One administrator. The secretary of the university senate.

Balance unchanged.

3335-5-474 Elections Committee.

(A) Membership.

The elections committee shall consist of nine members.

- (1) Four regular faculty all of whom are members of the senate, elected by the faculty council. The term of service is two years.
- (2) Four students all of whom are members of the senate.
 - (a) One graduate student selected by the council of graduate students. The term of service is one year.
 - (b) One professional student selected by the inter-professional council. The term of service is one year.
 - (c) Two undergraduate students selected by the undergraduate student assembly. The term of service is one year.
- (3) One dean who is a member of the senate, appointed by the president. The term of service is two years.

Balance unchanged.

3335-5-48 Standing and special committees of the senate.

(A) unchanged.

(B) Membership.

- (1) All standing and special committees of the senate shall include at least one regular faculty member of the senate.
- (2) Unless otherwise specified by the rules, or by the senate, the president shall appoint members of the administration; the council of graduate students, the inter-professional council, and the undergraduate student government shall select members of their own constituency using procedures adopted by their respective bodies. Members of the faculty council serving the

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following year shall elect members of the faculty from a ballot prepared by the executive committee of the faculty council. The ballot shall be based on nominations solicited in writing from the faculty. The executive committee of the faculty council shall provide the steering committee with the opportunity to make suggestions for additions to or deletions from the ballot before it is distributed to the faculty council for voting. The ballot shall include at least one more name than there are positions to be filled and shall provide space for write-in votes for each committee.

- (3) Terms of service. Unless otherwise specified by the rules, student members shall serve one-year terms and be eligible for reappointment; voting faculty and appointed administrative members shall serve three-year terms and shall be ineligible for immediate reelection or reappointment until one full year has elapsed unless they have served less than two-thirds of a full term. Multiyear terms shall be staggered so that approximately equal proportions of the number of members retire from the committee each year.

Balance unchanged.

3335-5-481 Council on academic affairs.

(A) Membership.

The council on academic affairs shall consist of fourteen members.

(1) Nine regular faculty.

- (a) Five regular faculty at least two of whom are members of the senate, elected by the faculty council. The term of service is three years.
- (b) Four regular faculty shall be appointed by the president. The term of service is three years.

(2) Four students.

- (a) One graduate student selected by the council of graduate students. The term of service is one year.
- (b) One professional student selected by the inter-professional council. The term of service is one year.
- (c) Two undergraduate students selected by the undergraduate student government. The term of service is two years and one student is appointed each year.

- (3) One administrator. The vice president for academic affairs and provost, or designee.

Balance unchanged.

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AMENDMENTS TO THE RULES OF THE UNIVERSITY FACULTY (contd)

3335-5-482 The library council.

(A) Membership.

The library council shall consist of sixteen members.

- (1) Nine regular faculty elected by the faculty council. The term of service is three years.
- (2) Four students.
 - (a) One graduate student selected by the council of graduate students. The term of service is one year.
 - (b) One professional student selected by the inter-professional council. The term of service is one year.
 - (c) Two undergraduate students selected by the undergraduate student government. The term of service is one year.
- (3) Three administrators.
 - (a) The vice president for academic affairs and provost, or designee.
 - (b) The dean of the graduate school.
 - (c) The director of libraries.

Balance unchanged.

3335-5-483 Committee on university bookstores.

(A) Membership.

The committee on university bookstores shall consist of eleven members.

- (1) Five regular faculty one of whom is a member of the university libraries, elected by the faculty council. The term of service is three years.
- (2) Four students.
 - (a) One graduate student selected by the council of graduate students. The term of service is one year.
 - (b) One professional student selected by the inter-professional council. The term of service is one year.
 - (c) Two undergraduate students selected by the undergraduate student government. The term of service is one year.
- (3) Two administration members, non-voting.
 - (a) Vice president for business and administration or designee.

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(b) Director, the Ohio state university bookstores.

Balance unchanged.

3335-5-484 Council on student affairs.

(A) Membership.

The council on student affairs shall consist of eighteen members.

- (1) Six regular faculty at least two of whom are members of the senate, elected by the faculty council. The term of service is three years.
- (2) Eight students.
 - (a) Two graduate students selected by the council of graduate students. The term of service is one year.
 - (b) One professional student selected by the inter-professional council. The term of service is one year.
 - (c) Two undergraduate students selected by the undergraduate student government. The term of service is one year.
 - (d) One student who is a member of the freshman senate, appointed by the president of the freshman senate with the approval of the freshman senate. The term of service is one year.
 - (e) The president of the undergraduate student government or designee.
 - (f) The president of the association of women students or designee.
- (3) Four administrators. Each administrator shall be appointed for a one-year term and shall be eligible for reappointment.
 - (a) The dean of student life, non-voting.
 - (b) A student affairs staff member from a regional campus, appointed by the vice provost for student affairs, non-voting.
 - (c) A college office student affairs staff member appointed by the vice provost for student affairs, non-voting.
 - (d) The vice provost for student affairs or designee, voting only in case of ties.

Balance unchanged.

3335-5-485 Athletic council.

(A) The athletic council shall consist of fourteen members.

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(1) Eight regular faculty.

- (a) Four regular faculty members elected by the faculty council. The term of service is four years with service commencing the first of July following election.
- (b) Four regular faculty members appointed by the president. The term of service is four years with service commencing the first of July following appointment.

(2) Four students.

- (a) One graduate student selected by the council of graduate students. The term of service is one year.
- (b) One professional student selected by the inter-professional council. The term of service is one year.
- (c) Two undergraduate students selected by the undergraduate student government. The term of service is two years and one student is selected each year.

(3) Two alumni designated by the Ohio state university alumni association using procedures adopted by that body. The term of service is four years and the terms are staggered so that one member retires every two years.

Balance unchanged.

3335-5-486 Council on admission and registration.

(A) Membership.

The council on admission and registration shall consist of nineteen members.

(1) Nine regular faculty.

- (a) Three regular faculty appointed by the president for three-year terms. Appointed members are eligible for reappointment.
- (b) Six regular faculty at least two of whom are senate members, elected by the faculty council. The term of service is three years.

(2) Five students.

- (a) Two graduate students selected by the council of graduate students. The term of service is one year.
- (b) One professional student selected by the inter-professional council. The term of service is one year.
- (c) Two undergraduate students selected by the undergraduate student government. The term of service is one year.

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- (3) Five administration members, all non-voting.
 - (a) Vice president for academic affairs and provost, or designee.
 - (b) Vice provost for student affairs or designee.
 - (c) Vice president for finance or designee.
 - (d) University registrar.
 - (e) Director of admissions.

Balance unchanged.

3335-5-487 Committee on academic misconduct.

(A) Membership.

The committee on academic misconduct shall consist of twenty-seven members.

- (1) Fifteen regular faculty, elected by the faculty council. The term of service is three years. No faculty member shall serve more than two consecutive terms.
- (2) Ten students.
 - (a) Five graduate students selected by the council of graduate students. The term of service is one year beginning with the autumn quarter.
 - (b) Five undergraduate students selected by the undergraduate student government. The term of service is one year beginning with the summer quarter.
- (3) Two administrators.
 - (a) The dean of student life or designee, non-voting.
 - (b) A coordinator, appointed by the vice president for academic affairs and provost, who shall not participate in the decisions of the committee.

Balance unchanged.

3335-5-488 Committee on honorary degrees.

(A) Membership.

The committee on honorary degrees shall consist of five members of the regular faculty elected by the faculty council. The term of service is five years.

Balance unchanged.

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AMENDMENTS TO THE RULES OF THE UNIVERSITY FACULTY (contd)

3335-5-489 Committee on academic freedom and responsibility.

(A) Membership.

The committee on academic freedom and responsibility shall consist of eight members during autumn, winter, and spring quarters and ten members from June to the beginning of autumn quarter.

- (1) Six regular faculty (eight during the summer period) all of whom are members of the senate, elected by the faculty council. The term of service begins in the summer quarter following election and extends through the summer quarter following the third year of service.
- (2) Two graduate teaching, research, or administrative associates selected by the council of graduate students. The term of service is one year.

Balance unchanged.

3335-5-4810 Faculty hearing committee.

(A) Membership.

The faculty hearing committee shall consist of nine tenured members of the regular faculty elected by the faculty council. Each elected person shall serve a three-year term as a regular member followed by a one-year term as an alternate member.

Balance unchanged.

3335-5-4811 Fiscal committee.

(A) Membership.

The fiscal committee shall consist of fifteen members.

- (1) Seven regular faculty members.
 - (a) Five regular faculty at least two of whom are members of the senate, elected by the faculty council. The term of service is three years.
 - (b) Two regular faculty appointed by the president. The term of service is three years.
- (2) Four students.
 - (a) One graduate student selected by the council of graduate students. The term of service is two years.
 - (b) One professional student selected by the inter-professional council. The term of service is two years.
 - (c) Two undergraduate students at least one of whom is a member of the senate, selected by the undergraduate

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student government. The term of service is two years, and one member shall be appointed each year.

- (3) Two staff members appointed by the president for two-year terms.
- (4) Two administrators appointed by the president. These members are non-voting.

Balance unchanged.

3335-5-4812 Faculty compensation and benefits committee.

(A) Membership.

The faculty compensation and benefits committee shall consist of fifteen members.

- (1) Twelve regular faculty at least two of whom are members of the senate, elected by the faculty council. The term of service is three years.
- (2) Two administrators.
 - (a) The vice president for academic affairs and provost, or designee.
 - (b) The vice president for personnel services or designee.
- (3) An emeritus member from the regular faculty appointed annually by the president in consultation with the Ohio state university retirees association.
- (4) Additional non-voting members and consultants from the university, serving at the discretion of the voting members of the committee.

Balance unchanged.

3335-5-4813 Legislative affairs committee.

(A) Membership.

The legislative affairs committee shall consist of seven members.

- (1) Three regular faculty elected by the faculty council. The term of service is three years.
- (2) Three students.
 - (a) One graduate student selected by the council of graduate students. The term of service is one year.
 - (b) One professional student selected by the inter-professional council. The term of service is one year.

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AMENDMENTS TO THE RULES OF THE UNIVERSITY FACULTY (contd)

(c) One undergraduate student selected by the undergraduate student government. The term of service is one year.

(3) One administrator, appointed annually by the president.

Balance unchanged.

3335-5-4814 University calendar committee.

(A) Membership.

The university calendar committee shall consist of fourteen members.

(1) Six regular faculty elected by the faculty council. The term of service is three years.

(2) Four students.

(a) One graduate student selected by the council of graduate students. The term of service is one year.

(b) One professional student selected by the inter-professional council. The term of service is one year.

(c) Two undergraduate students at least one of whom is a member of the senate, selected by the undergraduate student government. The term of service is one year.

(3) Four administrators.

(a) The vice president for academic affairs and provost, or designee.

(b) A representative of the council of deans.

(c) The university registrar or designee.

(d) The vice president for personnel services or designee.

Balance unchanged.

3335-5-4816 Committee on women and minorities.

(A) Membership.

The committee on women and minorities shall consist of eleven members.

(1) Six regular faculty elected by the faculty council. The term of service is three years.

(2) Three students.

(a) One graduate student selected by the council of graduate students. The term of service is one year.

February 4 and 5, 1988 meeting, Board of Trustees

AMENDMENTS TO THE RULES OF THE UNIVERSITY FACULTY (contd)

- (b) One professional student selected by the inter-professional council. The term of service is one year.
 - (c) One undergraduate student selected by the undergraduate student government. The term of service is one year.
- (3) Two administration members, non-voting.
- (a) The vice provost for minority affairs or designee.
 - (b) The executive officer for human relations or designee.

Balance unchanged.

NOW THEREFORE

BE IT RESOLVED, That the foregoing amendments to the Rules of the University Faculty be adopted as recommended by the University Senate.

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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PERSONNEL ACTIONS

Resolution No. 88-78

RESOLVED, That the personnel actions as recorded in the Personnel Budget Records of the University since the December 4, 1987 meeting of the Board, including the following Appointments, Reappointment of Principal Administrative Officials, Appointment of Chairpersons of Academic Faculty and Department, and Directors of Centers, Reappointment of Chairperson of Department, Leaves of Absence Without Salary, Leave of Absence Without Salary--Continuation, Promotion/Tenure, and Emeritus Titles as detailed in the University Budget be approved, and the Medical Staff Appointments/Reappointments approved December 17, 1987, by the Hospitals Board be ratified.

Appointments

Name:	GREGORY R. BAKER
Title:	Professor (Ohio Eminent Scholar in Scientific Computation)
Department:	Mathematics
Effective:	October 1, 1988
Salary:	\$82,200.00
Present Position:	Research Mathematician, CRSL, Exxon Research and Eng. Co., Annandale, NJ, and Visiting Fellow, Dept. of Mechanical and Aerospace Engineering, Princeton University, Princeton, NJ

February 4 and 5, 1988 meeting, Board of Trustees

PERSONNEL ACTIONS (contd)

Appointments (contd)

Name: FRED R. TABITA
Title: Professor (Ohio Eminent Scholar in Industrial Microbiology)
Department: Microbiology
Effective: January 1, 1989
Salary: \$75,000.00
Present Position: Assistant Director and Professor, Center for Applied Microbiology, The University of Texas at Austin, Austin, TX

Reappointment of Principal Administrative Officials

RICHARD E. BOETTCHER, Dean, College of Social Work, effective July 1, 1988, through June 30, 1993, pursuant to rule 3335-3-17 of the Administrative Code.

G. MICHAEL RILEY, Dean, College of Humanities, effective July 1, 1988, through June 30, 1993, pursuant to rule 3335-3-17 of the Administrative Code.

Appointment of Chairpersons of Academic Faculty and Department, and Directors of Centers

July 1, 1987 through June 30, 1988

Center for Slavic and East European Studies Michael W. Curran*

October 1, 1987 through June 30, 1988

Ohio Supercomputer Center Clyde W. McCurdy*

January 1, 1988 through June 30, 1992

Family Relations and Human Development Albert J. Davis

January 1, 1988 through September 30, 1992

Academic Faculty of Finance Frank F. Gibson

*Acting Director

Reappointment of Chairperson of Department

January 1, 1988 through June 30, 1992

Metallurgical Engineering George R. St. Pierre

Leaves of Absence Without Salary

HEINZ G. FLOSS, Professor, Department of Chemistry, effective Winter Quarter, Spring Quarter, and Autumn Quarter 1988, to accept a position at the University of Washington.

February 4 and 5, 1988 meeting, Board of Trustees

PERSONNEL ACTIONS (contd)

Leaves of Absence Without Salary (contd)

ERNST RUH, Professor, Department of Mathematics, effective Spring Quarter 1988, to accept a position at the University of Basil.

CHON-LIANG TSAI, Associate Professor, Department of Welding Engineering, effective Autumn Quarter 1987, Winter Quarter and Spring Quarter 1988, to serve as Vice President of Research Planning and Program Execution at Metal Industries Development Centre, Taiwan, Republic of China.

LESLIE A. ADELSON, Assistant Professor, Department of German, effective Winter Quarter and Spring Quarter 1988, to accept a Humboldt Fellowship in Hamburg, Germany.

RICHARD O. NATHAN, Assistant Professor, Academic Faculty of Finance, effective Autumn Quarter 1987 and Spring Quarter 1988, for personal reasons.

Leave of Absence Without Salary--Continuation

REBECCA D. JACKSON, Assistant Professor, Department of Internal Medicine, effective October 19, 1987, through June 30, 1988, for medical reasons.

Emeritus Titles

KENNETH W. SLOAN, Ohio State University Research Foundation, with the title Executive Director Emeritus - Research Foundation, effective February 1, 1988.

GEORGE J. BANWART, Department of Microbiology, with the title Professor Emeritus, effective January 1, 1988.

HARRY BLYTHE, Academic Faculty of Finance, with the title Professor Emeritus, effective January 1, 1988.

WILLIAM R. BROWN, Department of Communication, with the title Professor Emeritus, effective January 1, 1988.

ROBERT W. COLE, Cooperative Extension Service, with the title Professor Emeritus, effective February 1, 1988.

JAMES L. GOLDEN, Department of Communication, with the title Professor Emeritus, effective January 1, 1988.

TED L. JONES, Cooperative Extension Service, with the title Professor Emeritus, effective February 1, 1988.

RICHARD L. MILLER, Cooperative Extension Service, with the title Professor Emeritus, effective February 1, 1988.

BYRON H. NOLTE, Department of Agricultural Engineering, with the title Professor Emeritus, effective February 1, 1988.

JOHN S. RIESKE, Department of Physiological Chemistry, with the title Professor Emeritus, effective August 1, 1987.

February 4 and 5, 1988 meeting, Board of Trustees

PERSONNEL ACTIONS (contd)

Emeritus Titles (contd)

PAUL R. THOMAS, Cooperative Extension Service, with the title Professor Emeritus, effective January 1, 1988.

CHESTER C. WINTER, Department of Surgery - Urology, with the title Professor Emeritus, effective February 1, 1988.

JOHN P. RIEPENHOFF, Department of Pediatrics, with the title Clinical Professor Emeritus, effective July 1, 1987, as an exception to the Rules of the University Faculty, 3335-5-19(C).

HANS G. BREDEMAYER, Department of Ophthalmology, with the title Associate Professor Emeritus, effective October 1, 1987.

CORNELIUS J. CUNNINGHAM, Cooperative Extension Service, with the title Associate Professor Emeritus, effective February 1, 1988.

BOBBIE D. DAVIS, Cooperative Extension Service, with the title Associate Professor Emeritus, effective February 1, 1988.

SALLY K. EBLING, Cooperative Extension Service, with the title Associate Professor Emeritus, effective February 1, 1988.

EDWARD C. FLADT, Cooperative Extension Service, with the title Associate Professor Emeritus, effective January 1, 1988.

HARRY L. FREEMAN, Cooperative Extension Service, with the title Associate Professor Emeritus, effective January 1, 1988.

ROBERT H. GROVES, Cooperative Extension Service, with the title Associate Professor Emeritus, effective February 1, 1988.

B. PAUL HARTLEY, Cooperative Extension Service, with the title Associate Professor Emeritus, effective February 1, 1988.

DONALD K. MYERS, Department of Agronomy, with the title Associate Professor Emeritus, effective February 1, 1988.

DONALD W. POLLACK, Cooperative Extension Service, with the title Associate Professor Emeritus, effective February 1, 1988.

ALBERT R. PUGH, Cooperative Extension Service, with the title Associate Professor Emeritus, effective January 1, 1988.

DAVID L. REED, Cooperative Extension Service, with the title Associate Professor Emeritus, effective January 1, 1988.

JOHN D. RUOFF, Cooperative Extension Service, with the title Associate Professor Emeritus, effective February 1, 1988.

BERNARD S. SNYDER, College of Dentistry - Oral and Maxillofacial Surgery, with the title Associate Professor Emeritus, effective February 1, 1988.

JOHN F. TRIERWEILER, Department of Agronomy, with the title Associate Professor Emeritus, effective January 1, 1988.

February 4 and 5, 1988 meeting, Board of Trustees

PERSONNEL ACTIONS (contd)

Emeritus Titles (contd)

WILLIAM D. UMSTATTD, Department of Educational Studies: Humanities, Science, Technological and Vocational, with the title Associate Professor Emeritus, effective January 1, 1988.

PAUL L. WRIGHT, Department of Agricultural Economics and Rural Sociology, with the title Associate Professor Emeritus, effective February 1, 1988.

RONALD G. COURTRIGHT, Cooperative Extension Service, with the title Assistant Professor Emeritus, effective February 1, 1988.

DOUGLAS G. FRATIANNI, Department of Botany, with the title Assistant Professor Emeritus, effective January 1, 1988.

LILLABELLE HOLT, Department of Educational Theory and Practice (Newark Campus), with the title Assistant Professor Emeritus, effective August 1, 1987.

ROBERT W. LAHMERS, Cooperative Extension Service, with the title Assistant Professor Emeritus, effective January 1, 1988.

ELMER OLSEN, Cooperative Extension Service, with the title Assistant Professor Emeritus, effective February 1, 1988.

BIRUTA Z. OSIS, University Libraries, with the title Assistant Professor Emeritus, effective January 1, 1988.

ROBERT G. SMITH, College of Dentistry - Restorative and Prosthetic Dentistry, with the title Assistant Professor Emeritus, effective January 1, 1988.

L. JEAN BAUMAN, Cooperative Extension Service, with the title Instructor Emeritus, effective February 1, 1988.

L. ROBERT IRVIN, Cooperative Extension Service, with the title Instructor Emeritus, effective February 1, 1988.

DON M. MORTENSEN, Cooperative Extension Service, with the title Instructor Emeritus, effective February 1, 1988.

HAROLD STARR, National Center for Research in Vocational Education, with the title Senior Research Specialist Emeritus, effective January 1, 1988.

LOUISE B. VETTER, National Center for Research in Vocational Education, with the title Senior Research Specialist Emeritus, effective February 1, 1988.

Professor Boris Mityagin:

Can I speak about one candidate?

President Jennings:

Excuse me?

February 4 and 5, 1988 meeting, Board of Trustees

PERSONNEL ACTIONS (contd)

Professor Mityagin:

Can I speak about one candidate?

President Jennings:

Well, you ordinarily should have requested that ahead of time and gotten it on the schedule, but perhaps one minute --

Professor Mityagin:

Okay. I could not make this request two weeks before this session, according to regulations, because the case was not and could not be in the agenda at that time. The person agreed to be a candidate only two days ago. How that case could be in that agenda two weeks ago? I am talking about Greg Baker, the candidate for Ohio Eminent Scholar. He agreed to be appointed only two days ago. How could I act two weeks ago --

President Jennings:

You're being allowed to speak now. What is the point?

Professor Mityagin:

I could not speak because I am not prepared to speak. I am strongly against this appointment and I would like to present all the objections to the Board of Trustees. I would do that during the next session and I would ask two weeks in advance to talk about this issue. I would prepare all the objections, I would consult lawyers on this matter. I could not speak today, and I don't understand why this issue is in the agenda if Greg Baker agreed to be appointed only two days ago.

President Jennings:

Thank you. This is a recommendation that has been before a faculty committee of the Department of Mathematics, is recommended by that faculty committee. There was a complete opportunity for the faculty to debate this recommendation fully. It has been recommended by the Department Chairman and by the Dean of the College, and recommended now by the Provost. I would recommend it for your approval.

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

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RESOLUTIONS IN MEMORIAM

Resolution No. 88-79

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

February 4 and 5, 1988 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.

John W. Black

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on December 5, 1987, of John W. Black, Professor Emeritus in the Department of Communication.

Dr. Black was born on February 9, 1906, in Veedersburg, Indiana. He graduated from Wabash College with an A.B. degree with honors and received the M.A. and Ph.D. degrees from the University of Iowa. Prior to assuming his appointment at The Ohio State University, he was Professor of Speech, Adrian College in Adrian, Michigan, and Professor of Speech at Kenyon College in Gambier, Ohio. He was appointed Professor of Speech and Director of the Speech and Hearing Science Area at The Ohio State University in 1949, and was later named Regents Professor of Communication. Upon his retirement in 1976, he was named Professor Emeritus.

Dr. Black received many honors during his career to include a Presidential Citation during World War II, a Fulbright Scholarship, election to Phi Beta Kappa, Fellowship in the American Speech-Language-Hearing Association, Fellowship in the Japanese Society for the Promotion of Science, and Honors of The American Speech-Language-Hearing Association. Three honorary doctoral degrees were conferred upon him: an Sc.D. from Bowling Green State University; an L.H.D. from Wabash College; and an L.H.D. from The Ohio State University.

He authored or co-authored nine books, 18 chapters in books, and 145 journal articles.

Dr. Black carried out research in experimental phonetics in Zagreb, Yugoslavia, Milan and Rome, Italy, and Chiba, Japan. He was consultant to many organizations and agencies to include the U.S. Navy, The Veterans' Administration, Danish Institute for the Deaf in Copenhagen, the Practicing Law Institute of Dallas, Texas, and the Linguistic Circle of Rome, Italy. He was distinguished for his research in experimental phonetics and was highly successful in transmitting his enthusiasm and excitement for research to his students. His rigor, excellence, and genuine concern for his students contributed significantly to their development, the academic unit he served, and thus to the quality of the University.

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy. 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 4 and 5, 1988 meeting, Board of Trustees

RESOLUTIONS IN MEMORIAM (contd)

Sydney Nettleton Fisher

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on December 10, 1987, of Dr. Sydney N. Fisher, Professor Emeritus in the Department of History.

Born on August 8, 1906, in Warsaw, New York, Dr. Fisher received his undergraduate education on a four-year scholarship at Oberlin College which awarded him an A.B. degree in 1928 and an M.A. degree in 1932. He continued his graduate studies, specializing in Middle East history, at the University of Illinois where he received his Ph.D. degree in 1935. At Princeton University and the University of Brussels, Dr. Fisher pursued post-doctoral studies under grants from the American Council of Learned Societies. Because of his exceptional academic record, he was elected to Phi Beta Kappa and Phi Kappa Phi.

Dr. Fisher's long and distinguished teaching career began at Robert College in Istanbul, Turkey, immediately after his undergraduate days at Oberlin. With the exception of one year at Denison and brief terms at several other universities, Dr. Fisher's brilliant teaching career was dedicated to The Ohio State University where he began as an instructor in 1937 and achieved a full professorship in 1955. Upon his retirement in 1972, he was named Professor Emeritus. World War II found Dr. Fisher serving his government in Washington, D.C., with the Board of Economic Warfare and the Department of State.

Administrative duties and research challenged Dr. Fisher's talents and energy. Graduate studies in the Department of History as well as area and international programs at the University greatly benefited from his contributions. A highly respectable list of books and articles flowed from his pen, including what became a standard college textbook: The Middle East: A History. At the time of his death, Dr. Fisher was busily engaged in preparing a fourth revised edition. The Royal Historical Society in London recognized Dr. Fisher's scholarly accomplishments by electing him a Fellow in 1951. The Board of Trustees demonstrated its appreciation of Dr. Fisher's numerous, significant contributions to the University by granting him the Distinguished Service Award in 1982.

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 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 H. R. Howard

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on November 12, 1987, of Dr. William H. R. Howard, Professor Emeritus in the Department of Radiology.

Dr. William Harry Howard graduated from The Ohio State University in 1938 with an A.B. degree. He received his M.D. degree from Western Reserve University in 1942. Dr. Howard was appointed an Instructor in the Department of Radiology at The Ohio State University in 1946 and was promoted to Assistant Professor in 1952, Associate Professor in 1958, and Professor in 1968. Dr. Howard was also a Clinical Professor in the

February 4 and 5, 1988 meeting, Board of Trustees

RESOLUTIONS IN MEMORIAM (contd)

William H. R. Howard (contd)

Department of Pediatrics. Dr. Howard retired in 1982 and at that time was named Professor Emeritus.

During his 46 years of service as a faculty member, he pioneered in the teaching and promotion of Pediatric Radiology having taught hundreds of physicians and particularly radiologists this subject. Dr. Howard served as the Chairman of the Department of Radiology at Children's Hospital from 1950 until his retirement in 1982. He served as a member of the Board of Directors of Children's Hospital and held membership in numerous medical organizations, among them the American College of Radiology and the Society for Pediatric Radiology of which he was a charter member. He made important contributions in the field of Pediatric Radiology for which he was known in the State of Ohio and nationally.

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 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.

Carleton L. Lohse

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on November 1, 1987, of Carleton L. Lohse, Associate Professor in the College of Veterinary Medicine.

Born on November 10, 1936, in Minot, North Dakota, Dr. Lohse received his D.V.M. degree in 1960 from Iowa State University, and his Ph.D. degree in 1971 from the University of Sydney, Australia. Dr. Lohse had been Associate Professor of Veterinary Anatomy at Ohio State since 1985. He taught gross and microscopic anatomy and was involved in anatomical research. He served as the department's acting chairperson in 1986. Prior to his appointment at Ohio State, Dr. Lohse was on the veterinary anatomy faculty at the University of California at Davis for 13 years.

A member of several professional anatomical associations, Dr. Lohse had been president and secretary of the American Association of Veterinary Anatomists.

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in their 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.

Arthur Tye

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on October 1, 1987, of Arthur Tye, Professor Emeritus in the College of Pharmacy.

Arthur Tye was born in Rutherglen, Australia, on September 13, 1909. Following two years of pre-medical education at Wesley College, he

February 4 and 5, 1988 meeting, Board of Trustees

RESOLUTIONS IN MEMORIAM (contd)

Arthur Tye (contd)

entered the Melbourne College of Pharmacy, graduating with the Ph.C. degree in 1930. He managed a community pharmacy in Melbourne, until his interests took him to Hong Kong, and then to Peking Union Medical College, where he served as Instructor of Pharmacology and Chief Assistant of the Department of Pharmacy (1932-37); and later as Professor of Pharmacy and Head of the Department of Pharmacy (1937-41). He joined the faculty of the National University of Peking as Professor of Pharmacy in 1942, where he developed an interest in pharmaceutical manufacturing, serving as Chief Pharmacist for Fu-Min Laboratories (1942-44); and Chief Pharmacist and Head of the Pharmaceutical Division of the Dio-Oriental Chemical Corporation in Tientsin (1945-47); also serving as Managing Director of Pharmacie Universelle, China's first professional prescription pharmacy.

In 1947, he joined the nascent graduate program at The Ohio State University College of Pharmacy. His doctoral dissertation (1950) introduced a more sophisticated method of quantifying the potency of morphine and other analgetics. Hired as an Assistant Professor in 1951, he transformed the traditional instruction in "materia medica" to a modern series of courses in pharmacology. Promoted to Associate Professor in 1953 and Professor in 1960, he embarked upon an intensive period of research, which resulted in nearly 40 scientific publications, and directed 36 graduate students at both the master's and doctoral level. His research may have reached its zenith in a series of brilliant collaborative papers with Popat Patil and Jules LaPidus which explored the structure-activity relationship of the optical isomers of ephedrine. He was one of the first pharmacologists in a College of Pharmacy to be elected to the American Society of Pharmacology and Experimental Therapeutics. Dr. Tye also provided staunch support of the College's continuing education program and a reasoned and moderating influence in undergraduate curriculum development. He lent his zest to the annual Ohio Pharmaceutical Seminar (1956-60), encouraged the establishment of the College's Pharmacy Extension Services (1963), and worked with Jules LaPidus and others to formulate a series of courses integrating concepts of medicinal chemistry into the traditional offerings in pharmacology (1969). Upon his retirement in 1970, he was named Professor Emeritus.

On behalf of the University Community, the Board of Trustees expresses to the family of Arthur Tye its deepest sympathy. 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.

Upon motion of Ms. Casto, seconded by Mr. Teaford, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS

Resolution No. 88-80

Synopsis: The reports on contracts, grants, and gifts and the summary for November and December 1987 are presented for Board acceptance.

February 4 and 5, 1988 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 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 and The Ohio State University Development Fund during the month of November and December 1987 be approved.

Upon motion of Ms. Casto, seconded by Mr. Barone, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

SUMMARY FOR NOVEMBER 1987

Source	No. of Projects	Support Level
The Ohio State University Research Foundation	69	\$9,154,609.64
Engineering Experiment Station	48	\$ 254,796.00
Total	117	\$9,409,405.64
The Ohio State University Development Fund		
Establishment of Named Funds		
The Steve R. and Sarah E. O'Donnell Scientific Supercomputing Fund (To facilitate the use of supercomputers for research by the faculty)		\$ 400,000.00
The L. Edwin Smart Economics Symposium Fund (Seed money to plan and host the Smart Symposium in Economics)		\$ 100,000.00
Unrestricted General Library Endowment (Books, journals, personnel, supplies, equipment or for any activities related to preservation of library materials)		\$ 27,000.00
The Harriet L. Reynolds Endowment Fund (Provide post-baccalaureate scholarship assistance for a former member of an Ohio State women's intercollegiate varsity sports team)		\$ 21,500.00

February 4 and 5, 1988 meeting, Board of Trustees

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

SUMMARY FOR NOVEMBER 1987 (contd)

The Ohio State University Development Fund (contd)

Establishment of Named Funds (contd)

The Helene L. & Clement F. Frymote
Memorial Endowment Fund
(Scholarships for students attending
The Ohio State University at Newark) \$ 20,000.00

The Jonathan David Micha Pediatric Allergy
and Asthma Research Fund
(Research, treatment and cure of pediatric
asthma and allergy conditions) \$ 6,300.00

Change of Name and Description of Named Funds

From: The Dorothy and George L. Lewis Scholarship Fund
To: The Dorothy McAllister and George L. Lewis
Memorial Scholarship Fund

From: Harry and Carl Sonkin Memorial Award for International
Understanding and Peace
To: The Harry and Esther Sonkin Family Scholarship for
International Understanding and Peace

SUMMARY FOR DECEMBER 1987

Source	No. of Projects	Support Level
The Ohio State University Research Foundation	91	\$4,693,396.52
Engineering Experiment Station	31	\$ 70,430.00
Total	122	\$4,763,826.52

The Ohio State University Development Fund

Establishment of Named Funds

The Ohio State University Marion Campus
Prairie Nature Education Center Endowment
(To provide salaries, educational grants,
equipment, supplies, upkeep and management
of the Prairie Nature Education Center) \$ 200,000.00

The Franklin O. Vogelsang Memorial Scholarship
(Scholarships - College of Engineering) \$ 67,917.02

February 4 and 5, 1988 meeting, Board of Trustees

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

SUMMARY FOR DECEMBER 1987 (contd)

The Ohio State University Development Fund (contd)

Establishment of Named Funds (contd)

Thomas E. Powers Veterinary Clinical Pharmacology Fund (Income for 1988 and 1989 will be used to establish a chair or professorship; beginning in 1990 the income will be used to support research and education)	\$ 25,000.00
The Harry L. Thompson Scholarship Fund (Scholarships - College of Education)	\$ 20,000.00
The Geraldine McFadden Kuhn Scholarship (Scholarships for students attending the Marion Campus and who are pursuing a degree in the College of Home Economics or the Department of English)	\$ 15,000.00
The Dr. Dale A. Ray Memorial Fund (Support the Dale A. Ray Award and to support teaching programs in the Department of Agronomy)	\$ 5,000.00

Change of Name of Named Fund

From: The Richard D. Wood, Sr., Endowment Fund
To: The Margaret and Richard D. Wood, Sr., Endowment Fund

Change in Description of Named Fund

Florence O. Wilson Fund

REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (cont'd)

The Ohio State University Campaign
 Progress Report
 @ December 31, 1987

	<u>*Campaign Expectancies</u>	<u>Current Year Campaign Receipts (July-Dec. 87)</u>	<u>Previous Years' Campaign Receipts As of June 30, 1987</u>	<u>Total</u>	<u>Campaign Goal</u>	<u>% Achieved</u>
Alumni	\$63,317,989	\$5,172,328	\$27,516,929	\$96,007,246	\$122,500,000	78
Friends	35,054,325	4,316,609	20,800,770	60,171,704	70,000,000	86
**Corporations	12,187,845	7,283,712	66,838,006	86,309,563	122,500,000	70
Foundations	<u>2,975,500</u>	<u>6,978,423</u>	<u>8,925,528</u>	<u>18,879,451</u>	<u>35,000,000</u>	54
Totals	\$113,535,659	\$23,751,072	\$124,081,233	\$261,367,964	\$350,000,000	75

*Defined as pledges and deferred commitments less payments already received.

**Corporations, businesses, associations and private agencies.

REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (cont'd)

THE OHIO STATE UNIVERSITY
OFFICE OF UNIVERSITY DEVELOPMENT
OSU FOUNDATION & DEVELOPMENT FUND RECEIPTS

July-December
1986-87 compared to 1987-88

GIFT RECEIPTS BY DONOR TYPE

	Donors			<u>1986-87</u>	Dollars		
	<u>July 1986-87</u>	through December <u>1987-88</u>	<u>% Change</u>		<u>July 1986-87</u>	through December <u>1987-88</u>	<u>% Change</u>
Alumni	33,500	30,878	(8)	\$11,407,019	\$5,172,328	(55)	
Non Alumni	14,652	13,887	(5)	6,417,895	4,316,609	(33)	
Corporations	1,004	1,200	20	5,910,010	4,677,231	(21)	
Corporate Foundations	189	202	7	1,100,305	1,120,484	2	
Private Foundations	83	106	28	1,623,435	6,978,423	330	
Other	<u>428</u>	<u>733</u>	71	<u>1,546,696</u>	<u>1,485,997</u>	(4)	
TOTAL	49,856	47,006	(6)	\$28,005,360	\$23,751,072	(15)	

February 4 and 5, 1988 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION

Report - November 1987

Federal Research Contracts/Grants

\$4,498,900.00 - Department of Labor, Bureau of Labor Statistics, Washington, D.C., National Longitudinal Surveys of Labor Market Experience, Round X, Center for Human Resource Research (R. J. Olsen), 1 October 1987 through 30 September 1989. (Project 766448 - Continuation)

\$500,000.00 - National Science Foundation, Washington, D.C., Integrated Plant Propagation Facilities, Biotechnology Programs (P. E. Kolattukudy), 15 September 1987 through 14 September 1989. (Project 766455 - New)

\$199,718.00 - Department of Education, Office of Postsecondary Education, Washington, D.C., Title III -- Development and Improvement of Academic Programs, Agricultural Technical Institute - Administrative Support (D. D. Garrison and A. L. Mokma), 1 October 1987 through 30 September 1988. (Project 766437 - New)

\$195,716.00 - National Science Foundation, Washington, D.C., Mathematics Through Technology: Establish Concepts and Skills of Graphing and Functions in Grades 9 Through 12, Department of Educational Theory and Practice (A. Osborne and G. Foley) and Department of Mathematics (F. Demana and B. Waits), 1 November 1987 through 31 October 1988. (Project 766335 - New)

\$147,983.00 - Department of Agriculture, Science and Education, Washington, D.C., Studies on Monoclonal Antibodies and Viral Proteins of Infectious Bursal Disease Virus, Food Animal Health Research - OARDC (Y. M. Saif), 1 July 1987 through 30 June 1990. (Project 766477 - New)

\$144,120.00 - Department of the Army, Defense Supply Service, Washington, D.C., The Problem of Net Assessment in an Historical Context, Mershon Center for Education (A. R. Millett) and Department of History (W. Murray), 1 October 1987 through 30 September 1988. (Project 765401 - Continuation)

\$138,430.00 - National Science Foundation, Washington, D.C., Glaciological and Climatological Analysis of the Past 2000 Years from Antarctic Ice Cores, Byrd Polar Research Center (E. Mosley-Thompson and L. G. Thompson), 1 July 1987 through 30 June 1988. (Project 764798 - Continuation)

\$113,950.00 - Department of Education, Office of Postsecondary Education, Washington, D.C., Patricia Roberts Harris Program, Graduate School Administration (J. D. Dickerscheid), 1 September 1987 through 31 August 1988. (Project 766461 - Continuation)

\$108,921.00 - Department of the Air Force, Air Force Systems Command, Bolling Air Force Base, D.C., Strength and Structure of $GA_{1-x}In_xAs$ Alloys, Department of Ceramic Engineering (K. T. Faber) and Department of Metallurgical Engineering (J. P. Hirth), 1 September 1987 through 31 August 1988. (Project 764977 - 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)

\$73,243.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Preclinical Pharmacology Investigations of Antitumor Agents, College of Pharmacy (L. Malspeis), 1 November 1987 through 13 April 1988. (Project 765385 - Continuation)

\$70,500.00 - National Science Foundation, Washington, D.C., Low Temperature Electronic Properties of Conducting Solids, Department of Physics (J. C. Garland), 1 January 1988 through 30 June 1989. (Project 765553 - Continuation)

\$70,000.00 - National Science Foundation, Washington, D.C., The Role of Calcium in Root Growth and Gravitropism, Department of Botany (M. L. Evans), 1 November 1987 through 30 April 1989. (Project 765780 - Continuation)

\$66,000.00 - National Science Foundation, Washington, D.C., Theoretical Studies of Equilibrium and Non-Equilibrium Multi-Layer Films, Department of Physics (W. F. Saam and C. A. Ebner), 1 November 1987 through 30 April 1989. (Project 766478 - New)

\$65,000.00 - National Science Foundation, Washington, D.C., Structural Influence of Zeolites on Metals and Metal Complexes Within Its Cavities -- A Raman Spectroscopy Study, Department of Chemistry (P. K. Dutta), 1 January 1988 through 31 December 1988. (Project 764936 - Continuation)

\$50,000.00 - National Science Foundation, Washington, D.C., The Role of β -Lactalbumin in Lactose Biosynthesis, Department of Chemistry (L. J. Berlin), 1 November 1987 through 30 April 1989. (Project 766469 - New)

\$45,450.00 - Department of Education, Office of Postsecondary Education, Washington, D.C., The Ohio State University School of Public Administration Application for Grants Under the Patricia Roberts Harris Fellowship Program, School of Public Administration (A. E. Merget), 1 September 1987 through 31 August 1988. (Project 766401 - Continuation)

\$42,496.00 - Department of the Air Force, Air Force Systems Command, Bolling Air Force Base, D.C., Theory System Reliability Demonstration and Burn-in Design, Department of Statistics (S. Blumenthal), 1 November 1987 through 31 October 1988. (Project 766252 - Continuation)

\$42,121.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Genetic and Molecular Studies of RNA Splicing, Department of Molecular Genetics (P. S. Perlman), 1 December 1987 through 29 February 1988. (Project 763452 - Continuation)

\$24,232.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, The Neural Control of Temperature Regulations, Department of Physiology (J. A.

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

Boulant), 1 December 1987 through 29 February 1988. (Project 761187 - Continuation)

\$17,438.00 - National Science Foundation, Washington, D.C., Velocity Distributions of Suspensions of Large Food Particles During Continuous Sterilization in Holding Tubes, Department of Agricultural Engineering - OARDC and Department of Agricultural Engineering (S. K. Sastry), 1 October 1987 through 30 September 1989. (Project 766458 - New)

\$10,600.00 - National Aeronautics and Space Administration, Goddard Space Flight Center, Greenbelt, Maryland, Ultraviolet Spectroscopy of Planetary Nebulae: Cosmological Implications, Department of Astronomy (G. J. Ferland, B. M. Peterson and E. R. Capriotti), 15 December 1987 through 14 December 1988. (Project 766473 - New)

\$10,000.00 - Department of the Air Force, Air Force Systems Command, Wright-Patterson Air Force Base, Ohio, Controller Design Approaches and Evaluations, Department of Electrical Engineering (U. Ozguner and S. Yurkovich), 16 November 1987 through 4 December 1987. (Project 766464 - New)

\$8,450.00 - Department of Education, Office of Postsecondary Education, Washington, D.C., National Resource Center -- East Asia, Office of International Affairs, Department of East Asian Languages and Literatures and Department of Anthropology (C. M. Chen), 15 August 1987 through 14 August 1988. (Project 764877 - Continuation)

\$8,301.25 - International Development Cooperation Agency, Agency for International Development, Washington, D.C., The Development and Production of a Prototype Video of the NARMA Project, School of Natural Resources (R. E. Roth), 14 September 1987 through 18 September 1987. (Project 766362 - New)

\$8,000.00 - Department of the Air Force, Air Force Systems Command, Bolling Air Force Base, D.C., International Symposium on Molecular Spectroscopy, Department of Physics (K. N. Rao), 1 January 1988 through 31 December 1988. (Project 765192 - Continuation)

\$1,730.00 - Department of Transportation, National Highway Traffic Safety Administration, East Liberty, Ohio, Pedestrian Injury Reduction Concept Development -- Child Thorax, Department of Statistics (P. K. Goel), 1 October 1987 through 30 December 1987. (Project 766468 - New)

Personnel Services - Department of the Army, Army Corps of Engineers, Champaign, Illinois, Research Support in the Disciplines Related to Geographical Information Systems, Land Planning, Computer Design and Programming, Center for Mapping (J. D. Bossler), 30 September 1987 through 29 September 1988. (Project 766475 - New) (Approximate Dollar Value - \$500,000)

TOTAL - FEDERAL AWARDS

\$6,661,299.25

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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

\$183,779.00 - State of Ohio, Board of Regents, Columbus, Ohio, Area Health Education Center (Health Services Education), College of Medicine - Administration (G. L. Trzebiatowski), 1 October 1987 through 30 September 1988. (Project 766481 - Continuation)

\$31,748.00 - State of Ohio, Department of Education, Columbus, Ohio, Evaluation of 1986-87 Sex Equity Project, Department of Educational Policy and Leadership (J. E. Sage), 1 October 1987 through 30 June 1988. (Project 766456 - New)

\$29,795.00 - State of Ohio, Department of Education, Columbus, Ohio, Labor Market Information Development, Center for Human Resource Research (H. R. Blaine) and Academic Faculty of Management and Human Resources (S. Mangum), 13 October 1987 through 30 June 1988. (Project 766276 - Continuation)

TOTAL - STATE OF OHIO AWARDS

\$ 245,322.00

Industrial Research Contracts/Grants

\$130,000.00 - Pfizer, Inc., Groton, Connecticut, Clinical Pharmacology Research Unit, Department of Pharmacology (N. Gerber), 1 October 1987 through 30 September 1988. (Project 760484 - Continuation)

\$118,902.00 - Pfizer, Inc., Groton, Connecticut, Phase I Double-Blind, Placebo-Controlled, Escalating Single and Divided Dose Pharmacokinetic and Toleration Study of Oral CP-76,593 in Normal Male Volunteers, Department of Pharmacology (N. Gerber), 1 July 1987 through 30 June 1988. (Project 765696 - Continuation)

\$81,211.00 - Burroughs Wellcome Company, Research Triangle Park, North Carolina, Evaluation of BW tPA in the Initial Lysis and Maintenance of Patency of Coronary Arteries in Patients with Acute Myocardial Infarction, Department of Internal Medicine (R. D. Magorien), 1 July 1987 through 30 June 1988. (Project 766466 - New)

\$75,000.00 - Rockwell International, Los Angeles, California, Extended Radar Cross Section Studies, Department of Electrical Engineering, ElectroScience Laboratory (L. Peters, Jr. and W. D. Burnside), 1 November 1987 through 30 September 1988. (Project 766480 - New)

\$68,390.00 - Ross Laboratories, Columbus, Ohio, Extension of Studies of Rotavirus Diarrhea in Gnotobiotics, Food Animal Health Research - OARDC (L. J. Saif), 1 August 1987 through 31 July 1988. (Project 764255 - Continuation)

\$60,756.00 - Pfizer, Inc., Groton, Connecticut, Phase I Double-Blind, Placebo-Controlled, Two-Way Crossover Comparison of Toleration and Pharmacokinetics of Single Doses of CP-57,103 in the Fed Versus Fasted State, Department of Pharmacology (N. Gerber), 1 July 1987 through 30 June 1988. (Project 765696 - Continuation)

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Industrial Research Contracts/Grants (contd)

\$25,000.00 - General Electric Company/RCA, Philadelphia, Pennsylvania, Center for Commercialization of Space Membership Agreement, Center for Mapping (J. D. Bossler), 1 January 1987 through 31 December 1987. (Project 766219 - Continuation)

\$17,721.00 - Pfizer, Inc., Groton, Connecticut, Phase I Double-Blind, Placebo-Controlled, Single Dose Study to Establish Toleration and Pharmacokinetics of CP-75,784, Department of Pharmacology (N. Gerber), 10 August 1987 through 9 August 1988. (Project 765696 - Continuation)

\$17,045.00 - Sandia Corporation, Albuquerque, New Mexico, The Influence of Surface Modification on Hydrogen Interaction with Metallic Surfaces, Department of Metallurgical Engineering (B. E. Wilde), 15 September 1987 through 30 September 1988. (Project 766378 - Continuation)

\$10,000.00 - Boeing Computer Services, Seattle, Washington, RAMCAD Software Development, Department of Computer and Information Science (B. Chandrasekaran), 1 November 1987 through 31 December 1987. (Project 766470 - New)

\$3,900.00 - International Clinical Laboratories, Inc., Nashville, Tennessee, Feasibility Study on the Application of the Scanning Laser Imaging Instrument for Quantitative Immunofluorescence Analysis of Biological Material, Comprehensive Cancer Center (L. D. Tomei), Department of Veterinary Pathobiology (J. R. Blakeslee), Department of Internal Medicine (M. F. Para), and College of Pharmacy (J. M. Jagadeesh), 1 March 1987 through 31 October 1987. (Project 766007 - Continuation)

\$3,500.00 - Burnes and Roe Services Corporation, Pittsburgh, Pennsylvania, Removal of Sulfur from Coal: Microbial Treatment and Analysis, Department of Chemical Engineering (D. R. Skidmore), 1 November 1987 through 31 January 1988. (Project 766459 - New)

\$487.89 - Sandoz, Inc., East Hanover, New Jersey, A Comparison of Bromocriptine and Carbidopa + Levodopa Alone and in Combination for the Treatment of De Novo Parkinson Patients, Department of Neurology (G. W. Paulson), 1 October 1985 through 30 June 1988. (Project 765138 - Continuation)

Total - Industrial Awards

\$ 611,912.89

Other Non-Federal Research Contracts/Grants

\$526,826.00 - Indonesia Government, Jakarta, Indonesia, Refresher C Programs for Faculty and Administrators of the Institut Keguruan Ilmu Pendidikan (IKIP) or Institutes for Teacher Training and Education of Indonesia, College of Education - Administration (J. J. Buffer), 21 October 1987 through 31 August 1988. (Project 766476 - New)

\$244,000.00 - Midwest Universities Consortium for International Activities, Inc., Columbus, Ohio, Burma Agricultural Production Project,

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Other Non-Federal Research Contracts/Grants (contd)

Office of International Programs in Agriculture (D. O. Hansen), 1 October 1987 through 31 March 1992. (Project 766452 - New)

\$183,043.00 - Medical College of Ohio, Toledo, Ohio, Area Health Education Center Program, College of Medicine - Administration (G. L. Trzebiatowski), 1 October 1987 through 30 September 1988. (Project 766405 - Continuation)

\$129,945.00 - Jessie Smith Noyes Foundation, Inc., New York, New York, Research and Training Program in Lower Input/Sustainable Agriculture, Department of Entomology (C. A. Edwards) and Department of Entomology - OARDC (B. R. Stinner), 15 December 1987 through 15 December 1990. (Project 766482 - New)

\$94,953.00 - Children's Hospital Research Foundation, Columbus, Ohio, Intestinal Transplantation in Inbred Rats, Department of Internal Medicine (P. J. Tutschka), 1 August 1987 through 31 July 1988. (Project 764924 - Continuation)

\$82,059.00 - W. K. Kellogg Foundation, Battle Creek, Michigan, Computerized Advisory Service for Horticulture (CASH), Department of Entomology - OARDC (F. R. Hall) and Cooperative Extension State Operations (H. R. Willson), 1 August 1987 through 31 July 1988. (Project 764817 - Continuation)

\$62,357.00 - The University of Alabama at Birmingham, Birmingham, Alabama, Immunoanalysis of Chemical and Physical Damage to Supercoiled DNA, Department of Radiology (A. A. Wani), 1 August 1987 through 31 January 1989. (Project 766283 - New)

\$60,063.00 - University of Missouri, Columbia, Missouri, Electrochemical Factors in Fused Salt Enhanced Carbothermic Reduction, Department of Metallurgical Engineering (G. R. St. Pierre, R. A. Rapp, Y. Sahai and W. B. Johnson), 1 October 1987 through 30 September 1988. (Project 764365 - Continuation)

\$51,652.00 - Winrock International Institute for Agricultural Development, Arlington, Virginia, Utilization of Waste Materials Generated from Fruit and Vegetable Processing, Department of Horticulture - OARDC and Department of Horticulture (J. P. Dalmasso, K. L. Wiese and A. R. Miller), 27 October 1987 through 26 February 1988. (Project 766462 - New)

\$39,150.00 - Cancer Therapy and Research Foundation of South Texas, San Antonio, Texas, SWOG Study 8501, Intraperitoneal Cis-Platinum/Intravenous Cys-Platinum/Intravenous Cyclophosphamide Versus Intravenous Cis-Platinum/Intravenous Cyclophosphamide in Patients with Non-Measurable (Optimal) Disease, Stage III Ovarian Cancer, Department of Pathology (R. O'Toole), 1 October 1987 through 30 September 1990. (Project 765855 - Continuation)

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Other Non-Federal Research Contracts/Grants (contd)

\$30,445.00 - American Board of Internal Medicine, Inc., Philadelphia, Pennsylvania, Evaluating the Humanistic Behavior of Internal Medicine Residents, Department of Internal Medicine (E. L. Mazzaferri and P. S. Butterfield), 1 November 1987 through 30 November 1988. (Project 766479 - New)

\$28,350.00 - Upper Arlington City Schools, Upper Arlington, Ohio, Career Internship Program with Upper Arlington Schools, Department of Educational Theory and Practice (J. J. Quaranta), 1 September 1987 through 7 June 1988. (Project 766457 - Continuation)

\$22,484.00 - University Space Research Association, Houston, Texas, USRA Aeronautics Pilot Program, Department of Aeronautical and Astronautical Engineering (G. M. Gregorek), 15 August 1987 through 15 June 1988. (Project 766447 - Continuation)

\$17,348.00 - University Affiliated Cincinnati Center for Developmental Disorders, Cincinnati, Ohio, Prevention Continuing Education in Rural Areas, Nisonger Center (S. R. Schroeder), 1 January 1987 through 31 December 1987. (Project 764528 - Continuation)

\$12,000.00 - Central Arizona College, Coolidge, Arizona; City College of Chicago, Chicago, Illinois; Atlantic Community College, Mays Landing, New Jersey; Alamo Community College District, San Antonio, Texas; Champlain College, Burlington, Vermont; and Walla Walla Community College, Walla Walla, Washington, National Alliance of Community and Technical Colleges, The National Center for Research in Vocational Education (R. D. Ryan), 1 July 1987 through 30 June 1988. (Project 766171 - Continuation)

\$11,763.00 - Columbus State Community College, Columbus, Ohio, Intramural and Recreation Internship Program, School of Health, Physical Education and Recreation (W. A. Sutton), 1 July 1987 through 30 June 1988. (Project 766465 - Continuation)

\$10,000.00 - Corrugated Plastic Tubing Association, Columbus, Ohio, Center for Commercialization of Space Membership Agreement, Center for Mapping (J. D. Bossler), 15 July 1987 through 14 July 1988. (Project 766219 - Continuation)

\$8,400.00 - Children's Hospital Research Foundation, Columbus, Ohio, Binocular Vision and Strabismus in Infants and Children, College of Pharmacy (J. M. Jagadeesh), 30 September 1987 through 29 September 1988. (Project 765102 - Continuation)

\$5,000.00 - Illinois State Board of Education, Springfield, Illinois; Kansas State Department of Education, Topeka, Kansas; and State of New Jersey, Department of Education, Trenton, New Jersey, National Entrepreneurship Education Consortium, The National Center for Research in Vocational Education (R. D. Ryan), 1 July 1987 through 30 June 1988. (Project 766207 - Continuation)

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Other Non-Federal Research Contracts/Grants (contd)

\$4,610.00 - Educational Testing Service, Princeton, New Jersey, Market Analysis for Educational Testing Service, The National Center for Research in Vocational Education (R. D. Ryan), 15 June 1987 through 31 October 1987. (Project 766463 - New)

\$4,100.00 - American College of Veterinary Surgeons, Champaign, Illinois, The Evaluation of In Vitro Cultured Equine Epidermal Cells as Autografts and Allografts, Department of Veterinary Clinical Sciences (J. T. Robertson), 1 October 1987 through 30 September 1988. (Project 766471 - New)

\$2,500.00 - International Center for Industry, Labor and Rehabilitation, Dublin, Ohio, Identification of Risk Factors for Work Disability in Workers over 45 Years of Age, Department of Preventive Medicine (M. L. Moeschberger), 1 August 1987 through 31 January 1988. (Project 766467 - Continuation)

\$2,000.00 - Ohio Safety Belt Network, Inc., Columbus, Ohio, Innovative Approaches to Increasing Safety Belt Usage at The Ohio State University, School of Health, Physical Education and Recreation (B. K. Koch), 23 October 1987 through 31 May 1988. (Project 766474 - New)

\$1,841.50 - Sandusky County Department of Human Services, Fremont, Ohio, Single-Parent Newsletter, Cooperative Extension Field Operations (S. L. Mader), 29 October 1987 through 31 March 1988. (Project 766449 - New)

\$686.00 - National Academic Advising Association, University Park, Pennsylvania, Ego-Identity Status of Undecided Students and Their Perceived Advising Needs, University College Administration (M. W. Curran and V. Gordon), 1 October 1987 through 30 September 1988. (Project 766460 - New)

\$500.00 - South-Western Publishing Company, Cincinnati, Ohio, National Consortium of State Career Guidance Supervisors, The National Center for Research in Vocational Education (R. D. Ryan), 1 July 1987 through 30 June 1988. (Project 766331 - Continuation)

TOTAL - OTHER NON-FEDERAL AWARDS \$1,636,075.50

ENGINEERING EXPERIMENT STATION

State Sponsored Research and Development

\$99,952.00 - Thomas A. Edison Partnership Program, Columbus, OH, and CeramPhysics, Inc., Westerville, OH, "Cellular Structure Oxygen Sensors," Department of Ceramic Engineering, 1 January 1987 through 31 December 1988. (312426)

Industrial and Other Sponsored Research and Development

\$50,425.00 - from 34 sponsors of 40 development projects under the direction of five research areas of the College of Engineering.

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

ENGINEERING EXPERIMENT STATION (contd)

Industrial and Other Sponsored Research and Development (contd)

\$50,015.00 - McDonnell Douglas Corporation, St. Louis, MO, "Analysis of Electromagnetic Scattering from Electrically Large Ducts/Cavities," Department of Electrical Engineering, 21 October 1987 through 30 September 1988. (312436)

\$48,432.00 - U.S. West Advanced Technologies, Englewood, CO, "Performance Analysis of Packet Radio Networks," Department of Electrical Engineering, 1 October 1987 through 30 September 1988. (529742)

\$33,400.00 - Lockheed California Co., Sunland, CA, "Wind Tunnel Testing," Department of Aeronautical and Astronautical Engineering, 11 September 1987 through 30 June 1988. (312435)

\$30,924.00 - Additional budget from Electric Power Research Institute (EPRI), Palo Alto, CA, "Influence of Hydrogen on PWSCC of Alloy 600 Tubing," Department of Metallurgical Engineering, 24 April 1987 through 28 February 1988. (312412, Ext. 1)

\$20,000.00 - General Electric, Cincinnati, OH, "Joining Study of Titanium Aluminides," Department of Welding Engineering, 28 October 1987 through 15 December 1987. (312437)

\$12,600.00 - City of Columbus, Columbus, OH, "Columbus Department of Development Internships," Department of City and Regional Planning, 1 October 1987 through 30 June 1988. (529743)

\$9,000.00 - Additional budget from Scientific Atlanta, Norcross, GA, "Research, Development and Measurement of a Target Support Pylon Terminator," Department of Electrical Engineering, 15 June 1987 through 14 November 1987. (312419, Ext. 1)

TOTAL - INDUSTRIAL AND OTHER SPONSORED RESEARCH \$ 254,796.00

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND

Establishment of Named Funds

**The Steve R. and Sarah E. O'Donnell
Scientific Supercomputing Fund**

The Steve R. and Sarah E. O'Donnell Scientific Supercomputing Fund was established February 5, 1988, by the Board of Trustees of The Ohio State University, with a gift to The Ohio State University Development Fund from Steve R. O'Donnell (B.E.E. '62, M.S. Electrical Engineering '63) and Sarah E. O'Donnell of Westerville, 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 4 and 5, 1988 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 Steve R. and Sarah E. O'Donnell
Scientific Supercomputing Fund (contd)

The annual income shall be used to facilitate the use of supercomputers for research by The Ohio State University faculty, for example, by providing computer graphics work stations for faculty access to the supercomputer at the Ohio Supercomputer Center. The Vice President for Research and Graduate Studies is authorized to withdraw no more than one-third of the original principal amount over a 12-month period, if necessary. The Vice President for Research and Graduate Studies will have sole authority to authorize expenditures from the fund.

It is the desire of the donors that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in consultation with the appropriate college dean, department chairperson, or program administrative officer in order to carry out the desire of the donors.

The L. Edwin Smart Economics Symposium Fund

The L. Edwin Smart Economics Symposium Fund was established February 5, 1988, by the Board of Trustees of The Ohio State University, with gifts to The Ohio State University Development Fund from L. Edwin Smart, Jr., of New York as a memorial to his father, L. Edwin Smart, Sr. (B.A. '16, M.A. '23, Ph.D. '30), Professor of Economics at The Ohio State University from 1921 to 1962, and in appreciation of his own secondary education at the then University School of The Ohio State University, which he attended from 1935 to 1941. Mr. Smart, Jr., is chairman of the executive committee of TW Services, Inc., and was formerly chairman of the board of that company and its predecessors, Transworld Corporation and Trans World Airlines. He also serves as Director of Continental Corporation, The New York Stock Exchange and Sonat, 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 shall be used as seed money to plan and host the Smart Symposium in Economics. The week-long symposium will be held yearly and will be of a character to gather internationally known scholars in the study of economics and related fields.

It is the desire of the donor that this fund should benefit the University in perpetuity as a memorial to his father and that all proceeds from this fund shall be used in his honor. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in consultation with the appropriate college dean, department chairperson, or program administrative officer in order to carry out the desire of the donor.

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

Establishment of Named Funds (contd)

Unrestricted General Library Endowment

The Unrestricted General Library Endowment was established February 5, 1988, by the Board of Trustees of The Ohio State University with gifts through unrestricted donations to The Ohio State University Development Fund designated for support of The Ohio State University Libraries.

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 shall be used for such items as books, journals, personnel, supplies, equipment or for any activities related to preservation of library materials, as determined by the Director of The Ohio State University Libraries. At the end of any fiscal year in which there is a balance in income remaining, this balance shall be credited to the principal.

It is the desire of the donors that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in consultation with the appropriate college administrative officer who is then responsible for the University Libraries.

The Harriet L. Reynolds Endowment Fund

The Harriet L. Reynolds Endowment Fund was established February 5, 1988, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from the estate of Harriet L. Reynolds (Ohio State Head Coach - Women's Field Hockey 1973-1987), family members, athletic department associates, and friends in honor and memory of Coach Harriet Reynolds.

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 shall be used to provide post-baccalaureate scholarship assistance at The Ohio State University for a former member of an Ohio State women's intercollegiate varsity sports team or, as a second priority, to provide added funds to enhance Ohio State's women's field hockey program. The selection of scholarship recipients will be made by the Associate Athletic Director in charge of the Women's Intercollegiate Sports Program, a representative for the Reynolds family, and the Department of Physical Education in the School of Health, Physical Education and Recreation in cooperation with the Director of Athletics and the University Committee on Student Financial Aid. Enhancement funds

February 4 and 5, 1988 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 Harriet L. Reynolds Endowment Fund (contd)

will be approved by the Director of Athletics. Any unused income each year may be added to the principal.

It is the desire of the donors that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then the income may be used 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 intercollegiate athletics program at The Ohio State University.

The Helene L. & Clement F. Frymute Memorial Endowment Fund

The Helene L. & Clement F. Frymute Memorial Endowment Fund was established February 5, 1988, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from Charisann Froberg, Granville, 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 shall be used to provide scholarships for students attending The Ohio State University at Newark who have documented their financial need and are likely to be academically successful. Scholarship recipients shall be chosen by the Dean of The Ohio State University Newark Campus, in consultation with the University Committee on Student Financial Aid.

It is the desire of the donor that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in consultation with the person then responsible for The Ohio State University Newark Campus.

**The Jonathan David Micha Pediatric
Allergy and Asthma Research Fund**

The Jonathan David Micha Pediatric Allergy and Asthma Research Fund was established February 5, 1988, by the Board of Trustees of The Ohio State University with gifts to the University Development Fund from family and friends in memory of Jonathan David Micha of Westerville, 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 4 and 5, 1988 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 Jonathan David Micha Pediatric
Allergy and Asthma Research Fund (contd)**

The annual income from this fund shall be used for the research, treatment and cure of pediatric asthma and allergy conditions. The requisitions for funds are to be approved by the Dean of the College of Medicine in consultation with the leading faculty and researchers in the area of pediatric allergy and asthma.

It is the desire of the donors that this fund should benefit the University in perpetuity. If the need for this fund should 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 study and research of other pediatric diseases in the College of Medicine.

Change of Name and Description of Named Funds

**The Dorothy McAllister and George L. Lewis
Memorial Scholarship Fund**

The Dorothy and George L. Lewis Scholarship Fund was established February 7, 1986, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from George L. Lewis, Professor Emeritus of Educational Theory and Practice, in memory of his wife; and gifts from sons Michael (B.S.Ed. '65, M.S., M.B.A. '82), Terry (M.A., Speech/Communication '72) and Patrick (B.M.E. '79, M.A., Music '84), and friends in honor of George Lewis and in memory of Dorothy Lewis. The name and description were changed February 5, 1988.

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 shall be used to provide one or more scholarships for undergraduate students in either Drama Education, Speech Education or Music Education who have declared their major and who have demonstrated academic ability (3.0 or above average). The selection is to be made by the College of Education Scholarship Committee upon the recommendation of a committee representing Drama Education, Speech Education, Music Education and the College, and with the approval 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 Board of Trustees, with preference being given to those responsible for drama, speech and music education.

February 4 and 5, 1988 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 Funds (contd)

**The Harry and Esther Sonkin Family
Scholarship for International Understanding and Peace**

The Harry and Carl Sonkin Memorial Award for Peace and International Understanding was established March 2, 1984, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from friends and families of Harry and Carl Sonkin. The name was changed to the Harry and Carl Sonkin Memorial Award for International Understanding and Peace, September 7, 1984. The name and description were further changed February 5, 1988.

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 shall be used to provide one or more scholarships for a deserving graduate student(s) for research or study abroad that contributes to the pursuit of international understanding and peace. The graduate student(s) must be enrolled at The Ohio State University in an academic degree program with a focus on international problems. He or she may be in any department or interdisciplinary field. The graduate student(s) must have demonstrated excellence in scholarship and an aptitude for the program of study or research to be pursued under the Sonkin Scholarship. The graduate student(s) must intend to engage in research either at The Ohio State University or outside the United States that demonstrably is concerned with enhancing the understanding of peoples in different cultures, improving the quality of social justice among nations, or exploring methods for international conflict avoidance or conflict resolution.

Selection of the recipient(s) is to be made by the Director of the University Center for International Studies in cooperation with the Dean of the College of Humanities, the Director of the Mershon Center or their representatives, and the University Committee on Student Financial Aid. The criteria for the selection of recipients are subject to review by members of the Sonkin family and the concerned Ohio State University administrators.

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 academic programs in international studies.

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION

Report - December 1987

Federal Research Contracts/Grants

\$365,653.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, General Clinical Research Center, College of Medicine - Administration (M. Tzagournis) and Department of Internal Medicine (W. Malarkey), 1 December 1987 through 29 February 1988. (Project 761196 - Continuation)

\$300,997.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Phase I and Clinical Pharmacokinetic Studies of Anticancer Agents, Comprehensive Cancer Center and Department of Internal Medicine (M. R. Grever) and College of Pharmacy (L. Malspeis), 1 December 1987 through 30 November 1988. (Project 764860 - Continuation)

\$252,424.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Development of Animal Models Infected with Retroviruses for Testing of Antiviral Agents, Department of Veterinary Pathobiology (L. E. Mathes, R. G. Olsen and M. J. Tarr), 16 December 1985 through 15 December 1990. (Project 765188 - Continuation)

\$250,000.00 - Department of the Air Force, Air Force Systems Command, Griffiss Air Force Base, New York, Explanation in Problem-Solving and Planning Systems, Department of Computer and Information Science (B. Chandrasekaran), 1 October 1987 through 30 September 1988. (Project 764562 - Continuation)

\$223,300.00 - Department of Transportation, Federal Aviation Administration, Washington, D.C., Airway Science Grant, Department of Aviation (S. Weislogel), 1 December 1987 through 31 December 1988. (Project 766489 - New)

\$213,593.00 - Department of Labor, Bureau of Labor Statistics, Washington, D.C., National Longitudinal Surveys of Labor Market Experience, Center for Human Resource Research (R. J. Olsen), 1 July 1986 through 30 September 1988. (Project 765719 - Continuation)

\$181,313.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Otitis Media with Effusion: Human Studies, Department of Otolaryngology (D. J. Lim), 1 December 1987 through 29 February 1988. (Project 760043 - Continuation)

\$150,000.00 - Department of Health and Human Services, Office of Human Development Services, Washington, D.C., Child Abuse and Neglect Interdisciplinary Training Program, Department of Educational Policy and Leadership (L. L. Cunningham), 1 September 1987 through 31 August 1988. (Project 766454 - New)

\$114,344.00 - Department of Health and Human Services, Public Health Service, Health Resources and Services Administration, Rockville, Maryland, Advanced Educational Program in General Dentistry, Community

February 4 and 5, 1988 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

Dentistry (L. P. Diorio), 1 July 1988 through 30 June 1989. (Project 765454 - Continuation)

\$103,200.00 - National Science Foundation, Washington, D.C., Kinetics and Spectroscopy of Reactive Intermediates, Department of Chemistry (M. S. Platz), 1 December 1987 through 31 May 1989. (Project 765125 - Continuation)

\$85,000.00 - National Aeronautics and Space Administration, Lewis Research Center, Cleveland, Ohio, Engineering Calculations for Communications Satellite Systems Planning, Department of Electrical Engineering, ElectroScience Laboratory (E. K. Walton) and Department of Industrial and Systems Engineering (C. H. Reilly), 15 December 1987 through 30 June 1988. (Project 762552 - Continuation)

\$74,999.00 - National Aeronautics and Space Administration, Lewis Research Center, Cleveland, Ohio, The Effects of Magnetic Nozzle Configurations on Plasma Thrusters, Department of Aeronautical and Astronautical Engineering (T. M. York), 5 December 1987 through 4 December 1988. (Project 766488 - New)

\$72,356.00 - National Science Foundation, Washington, D.C., Anodic Oxidation Studies and Their Applications to Organic Synthesis, Department of Chemistry (J. S. Swenton), 1 January 1988 through 30 June 1989. (Project 766494 - New)

\$64,341.00 - Department of Transportation, National Highway Traffic Safety Administration, West Liberty, Ohio, Support of Defects Investigations, Department of Mechanical Engineering (D. A. Guenther), 16 November 1987 through 15 November 1988. (Project 765180 - Continuation)

\$58,090.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Oxidate PMN/Periodontium Interaction in Oral Disease, Diagnostic Services (S. R. Mallery and C. M. Allen) and Department of Physiological Chemistry (A. J. Merola), 1 December 1987 through 30 November 1988. (Project 765142 - Continuation)

\$54,905.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Hypothalamic Neuronal Sensitivity in Pregnant WKY/SHR Rats, Department of Physiology (J. A. Boulant and D. Christenson), 1 December 1987 through 30 November 1988. (Project 765130 - Continuation)

\$50,000.00 - National Science Foundation, Washington, D.C., Studies of Petrified Paleozoic Fungi, Department of Botany (T. N. Taylor), 1 February 1988 through 31 July 1989. (Project 765204 - Continuation)

\$49,809.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, Studies of the Nonlinear Dynamics of Fluid System, Department of Physics (C. D. Andereck), 1 December 1987 through 30 November 1988. (Project 765156 - Continuation)

February 4 and 5, 1988 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

\$47,000.00 - National Aeronautics and Space Administration, Lewis Research Center, Cleveland, Ohio, An Experimental Study of Shock-Boundary Layer Interaction in Hypersonic Flow, Department of Aeronautical and Astronautical Engineering (J. D. Lee and M. B. Bragg), 5 December 1987 through 15 March 1988. (Project 765240 - Continuation)

\$45,000.00 - National Aeronautics and Space Administration, Washington, D.C., Cellular Polarity and Interactions in Plant Gravid Perception, Department of Botany (F. D. Sack), 15 December 1987 through 14 December 1988. (Project 764883 - Continuation)

\$44,286.00 - International Development Cooperation Agency, Agency for International Development, Washington, D.C., Environmental Monitoring and Education to Natural Resources Management, Department of Agronomy - OARDC and Department of Agronomy (T. J. Logan) and Department of Natural Resources - OARDC and School of Natural Resources (R. E. Roth), 11 December 1987 through 31 July 1988. (Project 766499 - New)

\$42,750.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, 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 December 1987 through 29 February 1988. (Project 764517 - Continuation)

\$39,891.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Interaction of DNA Topoisomerases with Chromatin, Department of Molecular Genetics (M. T. Muller), 1 January 1988 through 31 March 1988. (Project 763392 - Continuation)

\$37,000.00 - National Science Foundation, Washington, D.C., Molecular Beam Reactions Involving Metal Hydroxides and Hydrides, Department of Chemistry (J. M. Parson), 1 December 1987 through 31 May 1989. (Project 765988 - Continuation)

\$33,700.00 - National Science Foundation, Washington, D.C., Collaborative Research: Systematics, Paleogeology, and Extinction of Late Osagean Grinoids from Iowa, Illinois, and Missouri, Department of Geology and Mineralogy (W. I. Ausich), 1 December 1987 through 31 May 1989. (Project 766421 - New)

\$31,294.00 - Department of the Air Force, Air Force Systems Command, Wright-Patterson Air Force Base, Ohio, Heat Transfer and Fluid Friction on Rough Turbine Blades, Department of Mechanical Engineering (L. A. Kennedy), 1 October 1987 through 30 September 1988. (Project 765354 - Continuation)

\$30,000.00 - National Aeronautics and Space Administration, Lewis Research Center, Cleveland, Ohio, Modeling of Gear Dynamics, Housing Noise, and Transmissibility of a NASA Spur Gear Test Facility, Department

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

of Mechanical Engineering (D. R. Houser and R. Singh), 10 January 1987 through 9 June 1988. (Project 765863 - Continuation)

\$27,028.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Regulation of the Gene Expression in Neurospora, Department of Biochemistry (G. A. Marzluf), 1 January 1988 through 31 March 1988. (Project 760578 - Continuation)

\$25,396.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Biomimetic Metal Complexes of Macrocyclic Ligands, Department of Chemistry (D. H. Busch), 1 December 1987 through 29 February 1988. (Project 761501 - Continuation)

\$25,000.00 - National Aeronautics and Space Administration, Lewis Research Center, Cleveland, Ohio, Experimental Study of Organized Structures in a Supersonic Shear Layer, Department of Mechanical Engineering (M. Samimy), 28 February 1988 through 27 February 1989. (Project 765794 - Continuation)

\$24,802.00 - Department of Health and Human Services, Public Health Service, Alcohol, Drug Abuse, and Mental Health Administration, Rockville, Maryland, Development of Combinational Neuroanatomical EEG/Imaging, Department of Psychiatry (M. W. Torello), 1 December 1987 through 30 November 1988. (Project 766506 - New)

\$20,668.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, A Study of DNA Intercalating Aromatic Amino Azides, Department of Chemistry (M. S. Platz), 1 December 1987 through 29 February 1988. (Project 765804 - Continuation)

\$20,000.00 - Department of Commerce, National Bureau of Standards, Gaithersburg, Maryland, Studies of Grain-Boundary Interfaces in Ceramics, Department of Metallurgical Engineering (R. H. Wagoner), 29 October 1987 through 29 February 1988. (Project 766501 - Continuation)

\$15,892.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Multiple Hydrogen Bonding-Nucleic Acid Bases, Department of Chemistry (J. Hine and D. W. Meek), 1 December 1987 through 29 February 1988. (Project 763904 - Continuation)

\$11,996.00 - Department of the Army, Military Entrance Processing Command, Fort Sheridan, Illinois, The ASVAB and Related Training of Test Specialists, The National Center for Research in Vocational Education (R. D. Ryan), 5 January 1987 through 30 April 1988. (Project 765626 - Continuation)

\$11,918.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Luteal

February 4 and 5, 1988 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

Prostaglandins in Primate Early Pregnancy, Department of Dairy Science - OARDC and Department of Dairy Science (J. S. Ottobre), 1 December 1987 through 29 February 1988. (Project 765111 - Continuation)

\$10,957.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Comparative Aspects of Peripheral Lung Mechanics, Department of Veterinary Physiology and Pharmacology (L. E. Olson), 1 December 1987 through 29 February 1988. (Project 765821 - Continuation)

TOTAL - FEDERAL AWARDS \$3,208,902.00

State of Ohio Research Contracts/Grants

\$44,100.00 - State of Ohio, Department of Commerce, Columbus, Ohio, Center for Real Estate Education and Research, College of Business - Administration (R. L. Racster), 1 January 1988 through 31 December 1988. (Project 766511 - Continuation)

\$6,650.00 - State of Ohio, Department of Health, Columbus, Ohio, Neonatal Intensive Care Unit Hearing Screening, Nisonger Center (P. Niswander), 1 October 1987 through 30 September 1988. (Project 765853 - Continuation)

\$4,333.00 - State of Ohio, Ohio Arts Council/Ohio Humanities Council Joint Program, Columbus, Ohio, The Green Table -- A Dance Masterpiece and Its Time, Department of Dance (O. Blum), 1 December 1987 through 30 June 1988. (Project 766487 - New)

\$3,924.00 - State of Ohio, Industrial Commission of Ohio, Columbus, Ohio, Graduate Student Internship, Department of Education Services and Research (D. J. Tosi and P. S. Wise), 1 October 1987 through 31 December 1987. (Project 766498 - Continuation)

\$3,660.00 - State of Ohio, Ohio Arts Council, Columbus, Ohio, Hispanic Awareness Week -- The Ohio State University, Office of Student Life (C. Alvarez-Breckenridge), 1 September 1987 through 30 May 1988. (Project 766486 - New)

\$1,100.00 - State of Ohio, Ohio Arts Council, Columbus, Ohio, Columbus Living Theatre, Department of Theatre (J. Reilly), 3 November 1987 through 30 November 1987. (Project 766493 - New)

TOTAL - STATE OF OHIO AWARDS \$ 63,767.00

Industrial Research Contracts/Grants

\$119,466.00 - Martin Marietta Corporation, Oak Ridge, Tennessee, Pack Cementation Coating of Iron-Base Alloys, Department of Metallurgical Engineering (R. A. Rapp), 1 November 1987 through 30 November 1988. (Project 766509 - New)

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Industrial Research Contracts/Grants (contd)

\$92,926.00 - American Biosystems, Inc., Marine on St. Croix, Minnesota, Development of an Antifertility Vaccine for Veterinary Applications, Department of Obstetrics and Gynecology (V. C. Stevens), 1 March 1988 through 28 February 1989. (Project 765957 - Continuation)

\$65,000.00 - Lederle Laboratories, Pearl River, New York, Cefixime Versus Cefaclor in Lower Respiratory Tract Infections, Department of Internal Medicine (J. F. Plouffe), 1 September 1987 through 31 August 1988. (Project 766508 - New)

\$49,700.00 - Freightliner Corporation, Charlotte, North Carolina, The Conduct of Focused Research and the Consequent Development of a Conceptual Cab Interior System for an Advanced Class 8 Truck, Department of Industrial Design (R. F. Butter), 1 July 1987 through 30 June 1988. (Project 766275 - New)

\$29,698.00 - HPM Corporation, Marion, Ohio, Training Needs Assessment and Training Video Development -- Phase I, College of Education - Administration (J. J. Buffer), 15 December 1987 through 30 June 1988. (Project 766515 - New)

\$29,606.00 - Sandoz, Inc., East Hanover, New Jersey, Parlodel 4-1: A Comparison of Bromocriptine and Carbidopa + Levodopa Alone or in Combination for the Treatment of De Novo Parkinson's Patients, Department of Neurology (G. W. Paulson), 1 December 1987 through 30 November 1988. (Project 765138 - Continuation)

\$14,886.00 - Resource International Incorporated, Columbus, Ohio, Composite Material Tester, Department of Civil Engineering (R. L. Sierakowski and S. Chaturvedi), 7 August 1987 through 31 January 1988. (Project 766503 - New)

\$14,666.00 - Sandoz, Inc., East Hanover, New Jersey, The Effect of SMS 201-995 on Intestinal Electrolyte Secretion in Rats, Department of Internal Medicine (T. S. Gaginella), 1 October 1987 through 30 September 1988. (Project 766483 - New)

\$9,870.00 - E. R. Squibb & Sons, Princeton, New Jersey, Safety and Efficacy of Nystatin Vaginal Suppositories Compared to Clotrimazole and Placebo, College of Pharmacy (J. A. Visconti) and University Health Service (D. I. Charles), 1 April 1987 through 31 December 1988. (Project 766065 - New)

\$5,000.00 - Adria Laboratories, Dublin, Ohio, Effects of ADR-847 and ADR-851 on Intestinal Electrolyte Transport In Vitro, Department of Internal Medicine (T. S. Gaginella), 17 August 1987 through 16 August 1988. (Project 766491 - New)

\$4,350.00 - Advanced Genetic Sciences, Inc., Oakland, California, Various Monoclonal Antibodies Consumers, Department of Microbiology (B. S. Zwilling), 1 September 1987 through 31 August 1988. (Project 766485 - New)

February 4 and 5, 1988 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Industrial Research Contracts/Grants (contd)

\$4,290.00 - G. D. Searle & Company, Inc., Skokie, Illinois, Various Monoclonal Antibodies Consumers, Department of Microbiology (B. S. Zwilling), 1 September 1987 through 31 August 1988. (Project 766485 - New)

\$3,600.00 - Bank One, Columbus, Ohio, Laser Printer Operation and Training Videotape, College of Education - Administration (J. J. Buffer), 29 October 1987 through 29 February 1988. (Project 766504 - New)

\$3,338.42 - Boeing Company, Seattle, Washington, Compact Range Performance Analysis, Department of Electrical Engineering, ElectroScience Laboratory (J. D. Young), 1 February 1987 through 1 December 1987. (Project 765919 - Continuation)

\$1,225.00 - Sandia Corporation, Albuquerque, New Mexico, Optimization of Amorphous Alloy Coatings as a Barrier to Hydrogen Absorption into Steels, Department of Metallurgical Engineering (B. E. Wilde), 15 September 1987 through 2 December 1987. (Project 766379 - Continuation)

Equipment - Tektronix, Inc., Wilsonville, Oregon, Center for Commercialization of Space Membership Agreement, Center for Mapping (J. D. Bossler), 24 November 1987 through 23 November 1989. (Project 766219 - Continuation) (Approximate Dollar Value - \$50,482.50)

TOTAL - INDUSTRIAL AWARDS

\$ 447,621.42

Other Non-Federal Research Contracts/Grants

\$144,419.00 - University of California, Livermore, California, Thermodynamic Modeling of Sensitization and SCC Performance of Candidate Materials for Containment of High Level Nuclear Waste, Department of Metallurgical Engineering (B. E. Wilde), 1 March 1987 through 30 September 1988. (Project 766496 - Continuation)

\$116,788.00 - University of Texas, Dallas, Texas, Yeast Mitochondrial DNA Recombination, Department of Molecular Genetics (P. S. Perlman), 1 September 1987 through 31 August 1988. (Project 765272 - Continuation)

\$78,900.00 - Butler County Department of Human Services, Hamilton, Ohio, Development of Living Skills, Cooperative Extension Field Operations (P. H. Simmons), 1 December 1987 through 30 November 1988. (Project 765233 - Continuation)

\$67,222.00 - Indiana University, Bloomington, Indiana, Malaysia Cooperative Program, Department of Psychology (J. D. Nolan), 1 January 1988 through 31 December 1988. (Project 764972 - Continuation)

\$67,000.00 - American Cancer Society, Inc., New York, New York, Synthetic Catalysts That Act on Mononucleotides, Department of Chemistry (A. W. Czarnik), 1 January 1988 through 31 December 1988. (Project 764147 - Continuation)

February 4 and 5, 1988 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)

\$63,477.00 - Indiana University, Bloomington, Indiana, Malaysia Cooperative Program, Department of English (G. K. Grigsby), 1 January 1988 through 31 December 1988. (Project 764972 - Continuation)

\$57,969.00 - Singapore Government, Singapore, Republic of Singapore, Curriculum Design and Development Fellowship Program -- Singapore, The National Center for Research in Vocational Education (R. D. Ryan), 1 September 1987 through 30 June 1988. (Project 766492 - New)

\$41,808.00 - The University of Utah, Salt Lake City, Utah, Immunosuppressive Therapy for Biopsy-Proved Myocarditis, Department of Internal Medicine (R. C. Starling), 1 July 1987 through 30 June 1988. (Project 765563 - Continuation)

\$40,305.00 - Virginia Polytechnic Institute, Blacksburg, Virginia, Interior Fluid Dynamics of Liquid-Filled Shells, Department of Mechanical Engineering (T. Herbert), 10 October 1987 through 9 August 1988. (Project 766484 - New)

\$39,638.00 - Elsa U. Pardee Foundation, Midland, Michigan, Mechanisms of Retroviral Dysregulation of Hematopoiesis in Preleukemia, Department of Veterinary Pathobiology (M. L. Wellman), 1 January 1988 through 31 December 1988. (Project 766507 - New)

\$36,818.00 - Indonesia Government, Jakarta, Indonesia, Indonesian Visiting Scholar Program, College of Education - Administration (J. J. Buffer), 27 December 1987 through 30 June 1988. (Project 766512 - Continuation)

\$34,158.00 - Muscular Dystrophy Association, New York, New York, Calcium²⁺, Drug, and Kinase Modulation of Calcium Channels, Department of Physiological Chemistry (J. D. Johnson), 1 January 1988 through 31 December 1988. (Project 763866 - Continuation)

\$24,393.00 - Southeastern Poultry and Egg Association, Decatur, Georgia, Effects of Antibiotic Therapy on the Competitive Exclusion of Salmonella by Lactobacillus acidophilus, Department of Poultry Science - OARDC and Department of Poultry Science (J. F. Stephens), 1 January 1988 through 30 September 1989. (Project 766490 - New)

\$23,765.00 - Japan-United States Friendship Committee, Washington, D.C., Acquisition and Cataloging of Works Cited in the Kodansha Encyclopedia of Japan, University Libraries (M. Donovan), 1 October 1987 through 30 September 1988. (Project 766453 - New)

\$15,000.00 - Deafness Research Foundation, New York, New York, Role of Fimbriae in the Adherence of Non-Typeable Hemophilus influenzae to Nasopharyngeal and Middle Ear Mucosa, Department of Otolaryngology (L. O. Bakaletz), 1 January 1988 through 31 December 1988. (Project 765827 - Continuation)

February 4 and 5, 1988 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)

\$15,000.00 - Deafness Research Foundation, New York, New York, Antibody Levels Directed Against the Outer Membrane Proteins of Hemophilus influenzae from Patients with Chronic Otitis Media with Effusion, Department of Otolaryngology (T. DeMaria), 1 January 1988 through 31 December 1988. (Project 765840 - Continuation)

\$14,025.00 - Eight Members of the National Entrepreneurship Education Consortium, National Entrepreneurship Education Consortium, The National Center for Research in Vocational Education (R. D. Ryan), 1 July 1987 through 30 June 1988. (Project 766207 - Continuation)

\$14,000.00 - Institute of Gas Technology, Chicago, Illinois, Microbial Desulfurization and Denitrification of Eastern Oil Shales, Department of Microbiology (P. R. Dugan and R. M. Pfister), 1 October 1987 through 30 March 1990. (Project 766497 - New)

\$10,000.00 - Edgar W. Ingram Foundation, Columbus, Ohio, School Attendance Project, College of Education - Administration (T. M. Stephens) and Education Services and Research (G. Cartledge), 1 December 1987 through 30 November 1988. (Project 766519 - New)

\$10,000.00 - Yassenoff Foundation, Columbus, Ohio, School Attendance Project, College of Education - Administration (T. M. Stephens) and Education Services and Research (G. Cartledge), 1 September 1987 through 31 August 1988. (Project 766516 - New)

\$10,000.00 - American Cancer Society, Ohio Division, Inc., Dublin, Ohio, Induction of Tumor Membrane Phenotypic Changes by Alpha-Interferon: Correlation of In Vitro and In Vivo Effects, Department of Pathology (S. E. Tuttle), 1 November 1987 through 31 October 1988. (Project 766500 - New)

\$8,900.00 - Butler County Department of Human Services, Hamilton, Ohio, Development of Living Skills, Cooperative Extension Field Operations (P. H. Simmons), 1 December 1986 through 30 November 1987. (Project 765233 - Continuation)

\$7,975.00 - Children's Hospital Research Foundation, Columbus, Ohio, Vasoactive Intestinal Peptide Receptors on Immune Effector Cells, Department of Internal Medicine (T. M. O'Dorisio), 1 July 1987 through 30 June 1988. (Project 765296 - Continuation)

\$7,207.00 - Texas A & M University, College Station, Texas, Ocean Drilling Program, Department of Geology and Mineralogy (P. N. Webb), 9 December 1987 through 20 March 1988. (Project 766510 - New)

\$6,500.00 - The Columbus Foundation, Columbus, Ohio, 1989 Alfred L. Willson Conference, Department of Educational Policy and Leadership (L. L. Cunningham), 1 November 1987 through 31 October 1989. (Project 766502 - Continuation)

February 4 and 5, 1988 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)

\$5,962.85 - Midwest Universities Consortium for International Activities, Columbus, Ohio, Midwest Universities Consortium for International Activities (MUCIA) -- Incentive Funding, Office of International Affairs (F. Firebaugh), 1 January 1988 through 31 December 1988. (Project 765219 - Continuation)

\$4,287.00 - Ashtabula County Joint Vocational School District, Jefferson, Ohio, Analysis of Employability Measures and the Effects of Instruction, The National Center for Research in Vocational Education (R. D. Ryan), 1 December 1987 through 31 May 1988. (Project 766513 - New)

\$3,000.00 - West Virginia Department of Correction, Charleston, West Virginia, National Corrections Education Consortium, The National Center for Research in Vocational Education (R. D. Ryan), 1 January 1987 through 31 December 1987. (Project 765934 - Continuation)

\$1,800.00 - Cleveland Public Schools, Cleveland, Ohio, Technical Assistance for Cleveland Public Schools, The National Center for Research in Vocational Education (R. D. Ryan), 1 September 1987 through 30 November 1987. (Project 768058 - New)

\$1,500.00 - University Affiliated Cincinnati Center for Developmental Disorders, Cincinnati, Ohio, Before Conception, The Prenatal Period, and Traumatic Postnatal, College of Medicine - Administration (G. L. Trzebiatowski), 1 October 1987 through 31 October 1987. (Project 766495 - New)

\$1,008.00 - Cancer Therapy and Research Foundation of South Texas, San Antonio, Texas, Multidisciplinary Participation in the Cancer Control Activities of the Southwest Oncology Group, Department of Internal Medicine (S. P. Balcerzak), 1 February 1985 through 30 June 1988. (Project 765208 - Continuation)

\$281.25 - North Atlantic Treaty Organization, Brussels, Belgium, Inosine Biosynthesis in tRNA: Role in Regulating Gene Expression, Department of Physiological Chemistry and Comprehensive Cancer Clinic (R. W. Trewyn), 1 April 1986 through 31 March 1988. (Project 765315 - Continuation)

TOTAL - OTHER NON-FEDERAL AWARDS \$ 973,106.10

ENGINEERING EXPERIMENT STATION

Industrial and Other Sponsored Research and Development

\$26,000.00 - Additional budget from General Motors Technical Center, Warren, MI, "Improving the Resistance of High Strength Fasteners to Hydrogen Embrittlement," Department of Metallurgical Engineering, 1 September 1985 through 31 August 1988. (529695, Ext. 2)

\$22,380.00 - from 28 sponsors of 29 development projects conducted under the direction of 3 departments/research areas.

February 4 and 5, 1988 meeting, Board of Trustees

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

ENGINEERING EXPERIMENT STATION (contd)

Industrial and Other Sponsored Research and Development (contd)

\$22,050.00 - Additional budget from General Electric, Cincinnati, OH, "Testing of the GE36 Unducted Fan Engine Simulator in Three Existing Engine Test Cast Models," Department of Aeronautical and Astronautical Engineering, 1 September 1987 through 28 February 1988. (312433, Ext. 1)

TOTAL - INDUSTRIAL AND OTHER SPONSORED RESEARCH \$ 70,430.00

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND

Establishment of Named Funds

The Ohio State University Marion Campus
Prairie Nature Education Center Endowment

The Ohio State University Marion Campus Prairie Nature Education Center Endowment was established February 5, 1988, by the Board of Trustees of The Ohio State University, with gifts to The Ohio State University Development Fund designated for support of the Marion Campus.

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.

Ten percent (10%) of the annual income shall be added to the fund's principal. The remaining ninety percent (90%) shall be used to provide salaries, educational grants, equipment, supplies, upkeep and management of The Ohio State University Marion Campus Prairie Nature Education Center.

It is the desire of the donor(s) that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in consultation with the appropriate college dean, department chairperson, or program administrative officer in order to carry out the desire of the donor(s).

The Franklin O. Vogelsang Memorial Scholarship

The Franklin O. Vogelsang Memorial Scholarship was established February 5, 1988, by the Board of Trustees of The Ohio State University with a gift to The Ohio State University Development Fund from the estate of Franklin O. Vogelsang (B.M.E. '29) of Canton, 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 shall be distributed in the following manner: ten percent (10%) of the annual income is to be added to the principal; the

February 4 and 5, 1988 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 Franklin O. Vogelsang Memorial Scholarship (contd)

remaining ninety percent (90%) is to be used to provide one or more scholarships for students enrolled in the College of Engineering. The recipient(s) will be chosen by the Dean of the College of Engineering in consultation with the University Committee on Student Financial Aid. Selection shall be based on: (1) the completion of one full year of study in the engineering curriculum, and (2) the recipient(s)' grades must have ranked the recipient(s) in the upper half of his or her class for the previous full year.

It is the desire of the donor that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in consultation with the appropriate college administrative officer who is then responsible for the College of Engineering.

Thomas E. Powers Veterinary Clinical Pharmacology Fund

The Thomas E. Powers Veterinary Clinical Pharmacology Fund was established February 5, 1988, by the Board of Trustees of The Ohio State University, with gifts to The Ohio State University Development Fund from the Schering-Plough Foundation, 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 shall be distributed to the College of Veterinary Medicine. All income in 1988 and 1989 will be returned to the principal. Should the fund reach \$500,000 within five years, it shall be known as The Thomas E. Powers Professorship in Clinical Pharmacology. Should it reach \$1.25 million in five years, it shall become The Thomas E. Powers Chair in Clinical Pharmacology.

The professorship or chair holder will embody the principals of Dr. Powers. The appointee's qualifications will include a world-class record in research activities, teaching, and public service. The appointee will also promote dialogue between academia, industry, and government.

Beginning in 1990 (at the discretion of the Dean), the fund can be used to support research and education in veterinary clinical pharmacology. A primary consideration would be the commencement of The Thomas E. Powers Visiting Lecturer in Clinical Pharmacology.

It is the desire of the donor(s) that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in consultation with the

February 4 and 5, 1988 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

Establishment of Named Funds (contd)

Thomas E. Powers Veterinary Clinical Pharmacology Fund (contd)

appropriate college dean, department chairperson, or program administrative officer in order to carry out the desire of the donor(s).

The Harry L. Thompson Scholarship Fund

The Harry L. Thompson Scholarship Fund was established February 5, 1988, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from Harry L. Thompson, (B.S.Ed. '53, M.A. '60), Oak Harbor, 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 shall be used for one or more scholarships in the College of Education. Selection shall be based on need and/or scholastic ability. It is the desire of the donor that the scholarship(s) be given each year to an Ohio student(s). However, preference should be given first to a student(s) from Ottawa County and second to a student(s) from Northwest Ohio. Scholarship recipient(s) shall be chosen by the College of Education Scholarship Committee in consultation with the University Committee on Student Financial Aid.

It is the desire of the donor that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in consultation with the person then responsible for teacher education.

The Geraldine McFadden Kuhn Scholarship

The Geraldine McFadden Kuhn Scholarship was established February 5, 1988, by the Board of Trustees of The Ohio State University, with gifts to The Ohio State University Development Fund from Wayne Heskett Kuhn (B.M.E. '41) of 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.

Twenty percent (20%) of the annual income shall be added to the fund's principal. The remaining eighty percent (80%) shall be used to provide one or more scholarships to deserving students of merit who are attending The Ohio State University at Marion and are pursuing study leading to a degree awarded by the College of Home Economics or the Department of English under the College of Humanities. The selection of the recipient

February 4 and 5, 1988 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 Geraldine McFadden Kuhn Scholarship (contd)

is to be made upon the recommendation of The Ohio State University Marion Campus Scholarship Committee in consultation with the Dean of the Marion Campus and the University Committee on Student Financial Aid.

It is the desire of the donor that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in consultation with the appropriate college dean, department chairperson, or program administrative officer in order to carry out the desire of the donor.

The Dr. Dale A. Ray Memorial Fund

The Dr. Dale A. Ray Memorial Fund was established February 5, 1988, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from Frank A. Ray (B.A. '70, J.D. '73), other family members, and friends of Dr. Dale A. Ray, Professor of Agronomy.

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 shall be used to support the Dale A. Ray Award of at least \$100 to the outstanding grain crop student each year. Any additional income from the fund shall be used to support teaching programs in the Department of Agronomy that deal with plant breeding and small grains, to provide resources for the purchase of equipment and to provide support for attendance at conferences and institutes. The selection of the award recipient and expenditure of all funds shall have the approval of the Chairperson of the Department of Agronomy.

It is the desire of the donors that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in consultation with the person then responsible for Agronomy extension and teaching.

Change of Name of Named Fund

The Margaret and Richard D. Wood, Sr., Endowment Fund

The Richard D. Wood, Sr., Endowment Fund was established December 15, 1976, by the Board of Trustees of The Ohio State University with a gift to The Ohio State University Development Fund from Richard D. Wood, Sr., (B.A. '50) Columbus, Ohio. The name was changed February 5, 1988.

February 4 and 5, 1988 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

Change of Name of Named Fund (contd)

The Margaret and Richard D. Wood, Sr., 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 at the discretion of the Dean of the College of Humanities in support of programs that will improve the ability of Ohio State students in all fields of study to read and write effectively in English.

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 teaching of the humanities.

Change in Description of Named Fund

Florence O. Wilson Fund

The Florence O. Wilson Fund was established September 2, 1971, by the Board of Trustees of The Ohio State University with a gift to The Ohio State University Development Fund from Miss Florence O. Wilson, Oklahoma City, Oklahoma, to support the Ernest Q. Moores Demonstration Farm. The description was changed February 5, 1988.

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 shall be used for support of an endowed chair in lactational physiology and mammary health within the College of Agriculture, Department of Dairy Science at The Ohio State University.

It was the desire of the donor that this fund should benefit the University in perpetuity. Should the need for this fund cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees, in consultation with the appropriate administrative officials of the College of Agriculture and the Department of Dairy Science, in order to carry out the desire of the donor.

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February 4 and 5, 1988 meeting, Board of Trustees

**REQUEST FOR CONSTRUCTION BIDS AND
ESTIMATE OF COST - FUNDING**

Resolution No. 88-81

Synopsis: Authorization to request construction bids is proposed.

WHEREAS the plans and specifications for the following project has been completed and, at the request of the Vice President for Business and Administration, the President recommended that the Board of Trustees authorize the request for construction bids:

DOAN HALL ELEVATOR MODERNIZATION

Project: Replacement of the controlling system of elevators 1, 2 and 3 in Doan Hall with collective microprocessors which will modernize and improve the operation of these service elevators. The new controlling units with computer programming for system dispatching and car selection will greatly reduce response time.

Funding: University Hospitals Funds

Estimated Construction Cost: \$275,000.00

Estimated Project Cost: \$320,260.00

NOW THEREFORE

BE IT RESOLVED, That the President and/or Vice President for Business and Administration be authorized, in accordance with established University procedures, to request construction bids on this project, and if satisfactory bids are received, to award the necessary contracts, with all actions to be reported to this Board at the appropriate time.

Upon motion of Mrs. Bowser, seconded by Ms. Casto, 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. 88-82

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 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 the award of contracts for the Rhodes

February 4 and 5, 1988 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)**

Hall 5th Floor - Pastoral Care Remodeling and Doan Hall 8 West - Detention Unit Remodeling projects as follows:

RHODES HALL 5TH FLOOR - PASTORAL CARE REMODELING

Description: This project provides for the relocation of an air handler in the fifth floor mechanical room to allow for construction of Pastoral Care offices adjacent to the Atrium Chapel, and the construction of rest room facilities contiguous with elevator equipment penthouse in the Atrium. Construction is scheduled to begin January 1988 and be completed within one hundred eighty days.

General Contract

Date Received: November 24, 1987
No. of Bids: 6
Low Bid: \$115,000.00
High Bid: \$185,941.00
Estimate of Cost: \$148,000.00
Awarded to: Farrell Construction, Columbus, OH

Plumbing Contract

Date Received: November 24, 1987
No. of Bids: 5
Low Bid: \$ 27,950.00
High Bid: \$ 44,000.00
Estimate of Cost: \$ 30,500.00
Awarded to: J. A. Croson, Columbus, OH

HVAC Contract

Date Received: December 21, 1987
No. of Bids: 2
Low Bid: \$ 89,000.00
High Bid: \$ 94,903.00
Estimate of Cost: \$106,200.00
Awarded to: Bruner Corp., Columbus, OH

February 4 and 5, 1988 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)**

RHODES HALL 5TH FLOOR - PASTORAL CARE REMODELING (contd)

Electric Contract

Date Received:	November 24, 1987
No. of Bids:	6
Low Bid:	\$ 19,820.00
High Bid:	\$ 30,630.00
Estimate of Cost:	\$ 30,300.00
Awarded to:	Reco Electric, Gahanna, OH
Total All Contracts:	\$251,770.00
Total Contingency Allowance:	\$ 32,730.10 (which is 13% of construction costs)
Total Project Cost:	\$303,604.00
Funding:	University Hospitals Funds

DOAN HALL 8 WEST - DETENTION UNIT REMODELING

Description: This project provides for renovation of existing area and creating additional space for treatment of patients currently serving time in State penal institutions. This space was previously used for the epidemiology program which is now housed in Means Hall. Construction is scheduled to begin January 1988 and is to be completed within one hundred fifty days.

General Contract

Date Received:	January 6, 1988
No. of Bids:	9
Low Bid:	\$ 39,760.00
High Bid:	\$ 79,403.00
Estimate of Cost:	\$ 82,500.00
Awarded to:	Waller & Lund, Columbus, OH

Plumbing Contract

Date Received:	January 6, 1988
No. of Bids:	7

February 4 and 5, 1988 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)**

DOAN HALL 8 WEST - DETENTION UNIT REMODELING (contd)

Plumbing Contract (contd)

Low Bid:	\$ 16,700.00
High Bid:	\$ 30,100.00
Estimate of Cost:	\$ 33,000.00
Awarded to:	J. A. Croson, Columbus, OH

Electric Contract

Date Received:	January 6, 1988
No. of Bids:	8
Low Bid:	\$ 18,700.00
High Bid:	\$ 36,345.00
Estimate of Cost:	\$ 40,500.00
Awarded to:	Claypool Electric, Lancaster, OH

Total All Contracts: \$ 75,160.00

Total Contingency Allowance: \$ 9,770.80 (which is 13% of construction costs)

Total Project Cost: \$ 91,692.00

Funding: University Hospitals Funds

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. Barone, seconded by Ms. Casto, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**ACCEPTANCE OF REPORT OF AUDITS OF THE OHIO STATE
UNIVERSITY AND THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION**

Resolution No. 88-83

Synopsis: The report of the audit of The Ohio State University for 1986-87 conducted by Touche Ross International and the report of the audit of The Ohio State University Research Foundation for 1985-86 and 1986-87 conducted by Farms & Co., Inc., are recommended for acceptance.

February 4 and 5, 1988 meeting, Board of Trustees

**ACCEPTANCE OF REPORT OF AUDITS OF THE OHIO STATE
UNIVERSITY AND THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)**

WHEREAS in August 1985, with the approval of the Auditor of State, The Ohio State University entered into a four-year agreement with Touche Ross International for an annual audit of the University, with Parms & Co., Inc., as a subcontractor to provide certain audit services; and

WHEREAS the Touche Ross audit of the University for 1986-87 and the Parms & Co. audit of the Research Foundation for 1985-86 and 1986-87, both meeting the requirements of the Auditor of State, have been received and reviewed by the appropriate University offices; and

WHEREAS the accounts, records, files, and reports of the University and the Research Foundation have been found to be in essentially satisfactory condition, but certain recommendations have been included in the reports; and

WHEREAS the auditors' recommendations have been studied by the appropriate University offices, and procedures and responses have been developed as a result of the recommendations:

NOW THEREFORE

BE IT RESOLVED, That the Touche Ross International audit of The Ohio State University for 1986-87 (including reports of The Ohio State University Development Fund for 1985-86 and 1986-87, The Ohio State University Hospitals for 1986-87, and WOSU Stations for 1986-87) and the Parms & Co., Inc., audit of The Ohio State University Research Foundation for 1985-86 and 1986-87 be accepted.

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

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APPROVAL OF CONSTRUCTION AT 4-H CAMP CLIFTON

Resolution No. 88-84

Synopsis: Construction of a new manager's cabin at Camp Clifton (4-H Club Camp, Inc.) is proposed.

WHEREAS the Camp Clifton (4-H Club Camp) is a facility located in Greene County and administered by the Ohio Cooperative Extension Service; and

WHEREAS the 1940 lease signed by the Board of Control of the Ohio Agricultural Experiment Station and the officers of the camp requires Board approval of any change in landscape or construction; and

WHEREAS responsibility for supervision of this property was transferred to the Board of Trustees of The Ohio State University in 1964; and

WHEREAS the total financial responsible of 4-H Camp Clifton since its formation in the early 1940's has rested with the non-profit 4-H Club Camp, Inc., with all funds raised by the groups utilizing the camp; and

February 4 and 5, 1988 meeting, Board of Trustees

APPROVAL OF CONSTRUCTION AT 4-H CAMP CLIFTON (contd)

WHEREAS the camp corporation has the funds on hand to complete the project pursuant to the long-range plan (floor and plot plans attached):

NOW THEREFORE

BE IT RESOLVED, That the Board of Trustees hereby approves the construction of a new manager's cabin at Camp Clifton.

Upon motion of Mrs. Bowser, seconded by Ms. Casto, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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REPORT - UNIVERSITY'S INVESTMENT PORTFOLIO

Resolution No. 88-85

RESOLVED, That the report on the University's Investment Portfolio, dated January 15, 1988, 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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**SECOND QUARTER REPORT -
1987-88 CURRENT FUNDS BUDGET**

Resolution No. 88-86

RESOLVED, That the second quarter report on the 1987-88 Current Funds Budget, dated February 5, 1988, 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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**QUARTERLY REPORT -
WAIVERS OF COMPETITIVE BIDDING REQUIREMENTS**

Resolution No. 88-87

RESOLVED, That the quarterly report on the Waivers of Competitive Bidding Requirements, dated October through December 1987, 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 4 and 5, 1988 meeting, Board of Trustees

Thereupon the Board adjourned to meet Thursday, March 3, 1988, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, at 6:30 p.m.

Attest:

Madison H. Scott
Secretary

Leonard J. Immke
Vice Chairman

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THE OHIO STATE UNIVERSITY
OFFICIAL PROCEEDINGS OF THE
ONE THOUSAND TWO HUNDRED AND THIRTY-NINETH MEETING
OF THE BOARD OF TRUSTEES

Columbus, Ohio, March 3 and 4, 1988

The Board of Trustees met at its regular monthly meeting on Thursday, March 3, and Friday, March 4, 1988, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, pursuant to adjournment.

* * *
Minutes of the last meeting were approved.
* * *

March 3 and 4, 1988 meeting, Board of Trustees

The Chairman, Mr. Redman, called the meeting of the Board of Trustees to order on March 3, 1988, at 6:30 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: Edmund C. Redman, Chairman, Leonard J. Immke, Shirley D. Bowser, Hamilton J. Teaford, John J. Barone, Deborah E. Casto, and John W. Kessler.

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Mr. Redman reconvened the meeting on March 4, 1988, at 9:50 a.m.

Present: Edmund C. Redman, Chairman, Leonard J. Immke, Shirley D. Bowser, Hamilton J. Teaford, John J. Barone, Deborah E. Casto, and John W. Kessler.

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Mr. Redman:

We'd like to have Professor Boris Mityagin of the Department of Mathematics address the Board, and we've allocated 10 minutes to that subject. Mr. Mityagin --

Professor Mityagin:

Thank you for a chance to speak at your meeting. The Department of Mathematics at OSU is one of the best in state universities in the country, and I'm sorry to be here and to speak not about its achievements and bright future, but about strange events which took place there in the last four or five years.

In May 1984 the Ohio Governor made a surprising decision to give as an award, an Ohio Eminent Scholar Chair in Scientific Computation and Numerical Analysis to Department of Mathematics for our "outstanding graduate and research program in scientific computation." Although everybody from a C-average graduate student to our triple-A president knew that such a program, either outstanding or mediocre, either research or graduate, does not exist and did never exist. Governor's decision was a part of Ohio Eminent Scholar Program established in 1983 by Ohio Legislature to attract outstanding scientists to the State of Ohio.

How the OSU top officials succeeded to convince the Board of Regents and the Governor to declare a non-existing program to be a winner in state-wide competition, or at least one of the best in the State, is a mystery. Proposal emphasized the Departments achievements but it was irrelevant to the field of the award. How cynical were authors of proposal. You can see from the statement of its leading writer Dr. J. Greenberg, "I think Ohio State is regarded as something of a joke in the area of applied and computational mathematics." It's a direct quotation. I would not agree with judgmental part of this statement, but a naked fact is no program in scientific computation did ever exist.

March 3 and 4, 1988 meeting, Board of Trustees

Professor Mityagin: (contd)

It was absolutely obvious that Department of Mathematics does not satisfy the Board of Regents' guidelines to the area's potential for excellence. To support the point of that requirement the proposal listed eight Department of Mathematics members and five faculty members from other departments. The list is impressive but none of listed was an expert in the area. How attractive the program was, you could judge from the fact that of eight listed Math faculty members, four left in the next two years, including the leading writer of the proposal, and two spent most of the four years on leave working in the other scientific centers.

Those paradoxes partly could be explained by the fact that the proposal has been admitted by OSU top officials to the Board of Regents in October '83 without any or at least any open discussion in the Department.

I skip long story of many years of painful and drainful search for an expert, but how could you attract an expert if there is nothing in the Department to attract him? You could not, and it pushes you to misrepresentation and mockery more and more as time goes on, after your first tries and failures to that direction.

There is no doubt, and I want to point that out, that scientific computation and numerical analysis are important areas to be developed in Math Department or other departments of OSU. A lot has been done, in particular the creation of a State Center on Supercomputers. It is not the issue in this discussion. The point is that Legislative decision of 1983 on an Ohio Eminent Scholar Program gave no channels for the area without any presence in the Department, and misuse of the program aimed to enhance excellence of State academic institutions just for getting funds and money for a university or a department was a deviation from the Legislative intentions and violation of its decision.

The Department made heroic efforts to find good candidate. In late '84 two offers made had been rejected. In 1986-87 one person applied and after long discussion he was even rejected as a candidate for associate professor position.

In fall 1987 Jennings's Administration was embarrassed, embarrassed, embarrassed by the fact that for three and a half years the position had not been filled yet. It reminded everybody about the '84 mockery and the only way to close the deal, put it aside and forget it, was to hire any person available. It happened that Dr. Baker applied for that position at that time and the procedures went ahead at the high gear. The search committee was ignored.

In December 9, 1987 session of advisory committee in the Department took place, nobody claimed that Dr. Baker satisfied the description and specifications of that position. Moreover, the overwhelming majority of faculty members who spoke in that meeting made clear that Dr. Baker is not qualified as the

March 3 and 4, 1988 meeting, Board of Trustees

Professor Mityagin: (contd)

eminent scholar. The consensus of the meeting was expressed perfectly by Dr. Harvey Friedman, a university professor. After scientific presentation on Baker's papers and claims that they are on the level of Bachelor's diploma, Dr. Friedman said, "Oh, I thought that he (Dr. Baker) is much worse," but he knows something about integral equations; now, of course I will support his case.

One could claim that it was strange to ignore the issue of scientific level when you are talking on such a serious appointment. But don't blame my colleagues or our chairman. They were tired and psychologically exhausted by four years discussions. You could be also amazed that for four years they resisted to yield to administration pressures to hire any person available. Now, in December 1987, Department gave up and advisory committee voted to recommend this appointment.

It should be mentioned that although at least on the paper Dr. Baker is an expert in fluid dynamics, the opinion of our leading faculty members from Aeronautics or Mechanical Engineering Department was ignored also. They told to Chairman and Dean explicitly that it would be strange to appoint Dr. Baker as an Eminent Scholar.

No out-of-Math Department faculty member has expressed any support for Dr. Baker as a candidate for Ohio Eminent Scholar. It is true that some of them, and I would say the same, would be glad to have him at Campus as our faculty member. But it is presumably true about any hiring in our University, whether we are talking about full professor or tenure-track assistant professor. Scientific merits would put Dr. Baker hardly among our top 20 members, for sure not among top 15. I am talking about Department, not about the University.

To accept such a level for eminent scholar would be a mockery. It would jeopardize the implementation of the entire Ohio Eminent Scholar Program at OSU and the State of Ohio. How could we or you explain to our associate professors who are better than Dr. Baker, but have not been promoted because of our standards for full professor positions lately, that such a hiring is in the best interests of our University? How could we or you explain to an outstanding, recently hired faculty member in the same area, who is much -- in another department, who is much better than Dr. Baker, but who with his great respect to The Ohio State University and to the title of Ohio Eminent Scholar, did not dare to apply for that position a year ago? How could we explain to him that such a hiring is not a mockery? You could not, because it is a mockery. The money has been given to enhance excellence and to attract an outstanding and eminent scholar.

Today President Jennings recommends to hire the only person available, the only for two years, as a way to cash in a million dollars. Such a perversion is not the way to excellence. Such an action is incompatible with our goal to be in 15-20 years among top 10 national universities. Such a

March 3 and 4, 1988 meeting, Board of Trustees

Professor Mityagin: (contd)

hiring puts a low ceiling to our search for excellence. Thank you.

President Jennings:

Thank you, Professor Mityagin. I'd like to have Dr. Brand review the process that went on in this hiring. I should say that I first of all apologize to Dr. Baker and hope that the slanderous discussion of his qualifications is ignored by Dr. Baker. That type of discussion on the individual is inappropriate in a public setting. And I think that secondly it should be recognized that the eminent scholar decisions were not made by the Governor or the Legislature. They were made by the Board of Regents and on the basis of a peer reviewed process. Members of the peer committees were selected from all over the State and did not include Ohio State University.

I would like Dr. Brand to discuss the appointment process because I do not agree that Dr. Baker is a selection that does not represent eminence in mathematics. I think Dr. Baker can stand with any of the eminent scholars selected at The Ohio State University and can stand with any of the mathematicians in applied mathematics throughout the country, and will be of great benefit to The Ohio State University.

Myles, if you can review the process, I'd appreciate that.

Dr. Brand:

Yes, I will. The Mathematics Department has a very careful screening process, indeed a model such process. Let me just speak briefly about the selection of Dr. Baker.

In addition to widely advertising the position including affirmative action ads, the Department has an Advisory Committee consisting of 12 persons, 8 of whom are elected by the Department. This Advisory Committee holds open meetings with an advanced agenda announced and the minutes distributed to all the faculty members.

If eight committee members in the Department vote positively by a secret ballot in an open meeting for a motion on documentation, the Committee selects a list of six to eight external referees who are then contacted by the Chairman and asked to evaluate the candidates professional attributes and suitability for the position. When the responses have been obtained from the referees, the Committee then schedules a meeting to determine the suitability of the candidate for appointment.

This Committee meeting is announced in advance to all faculty and the faculty have access to the candidates' credentials including reference letters, and these are made available to all members of the Department. At the Committee session faculty members who are not on the Committee are given ample opportunity to discuss their views of the candidate in this

March 3 and 4, 1988 meeting, Board of Trustees

Dr. Brand: (contd)

open meeting.

When this discussion is completed the Committee votes by secret ballot, either in open meeting or by mail ballot, on the motion to recommend appointment. Eight of the 12 positive votes are required to make a recommendation for appointment.

Regarding the qualifications of Dr. Baker, the University is indeed fortunate to have a man of such eminence. Regarding his scientific credentials, seven leading applied mathematicians, full professors at large centers of applied mathematics of research in this country and abroad, including the University of Minnesota, MIT, Cal Tech, Princeton, the Courant Institute from New York University, University of Arizona, and University of Oxford in England, have provided evaluations of Dr. Baker's research. Uniformly they place him among the strongest computational fluid dynamicists of his generation.

As to international standing, Professor T. Brooke Benjamin of Oxford writes, and let me quote, "Dr. Baker has established an excellent international reputation as a leading contributor to numerical studies in hydrodynamic problems. He is evidently a master of modern computation and unlike other notable workers in the field, his research is greatly reinforced by a deep understanding of the fluid mechanical problems that are explored numerically."

In keeping with the Ohio Eminent Scholar proposal, Dr. Baker has direct connections with industry. At the present time he is employed by Exxon Research. He was a faculty member and director of the multi-disciplinary applied mathematics program at Arizona, and this program includes students and faculty from the entire spectrum of science and engineering departments in the university.

All in all, it's hard to envision a candidate who could more accurately embody the qualities envisioned for the eminent scholar unless it's the same Gregory Baker 10 years hence. I also take serious exception with the claim that there was pressure from the Administration. That is simply false. Time and again, we have emphasized that we will refuse to make an offer unless we have a man or woman of true eminence. We do so in the case of Dr. Baker. The Dean of the College of Mathematical and Physical Sciences, William Kern, and the Chairman of the Math Department are here to answer any questions about process or qualifications that you might have. Thank you.

Mr. Redman:

If there's no further discussion? Thank you, Professor Mityagin.

Professor Mityagin:

Thank you.

March 3 and 4, 1988 meeting, Board of Trustees

Mr. Redman:

Appreciate your presence.

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AMENDMENTS TO THE RULES OF THE UNIVERSITY FACULTY

Resolution No. 88-88

Synopsis: Amendments to rule 3335-5-4815 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 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 January 30, 1988, as follows:

AMENDED RULE

3335-5-4815 Committee on traffic, parking, and public safety.

(A) Membership.

The committee on traffic, parking, and public safety shall consist of seventeen members.

- (1) Six regular faculty elected by the faculty council. The term of service is three years.
- (2) Four students.
 - (a) One graduate student selected by the council of graduate students. The term of service is one year.
 - (b) One professional student selected by the inter-professional council. The term of service is one year.
 - (c) Two undergraduate students selected by the undergraduate student government. The term of service is one year.
- (3) Two staff members (eligible for only "B" parking permits) appointed by the steering committee. The term of service is three years.
- (4) Three administrators appointed by the president. The term of service is three years.
- (5) Two members, non-voting.
 - (a) The assistant vice president for university public safety or designee.
 - (b) The director of the division of traffic and parking.

March 3 and 4, 1988 meeting, Board of Trustees

AMENDMENTS TO THE RULES OF THE UNIVERSITY FACULTY (contd)

(B) Duties and responsibilities.

- (1) Be responsible for hearing grievances, criticism, and other testimony pertaining to traffic, parking, and public safety.
- (2) Recommend through appropriate administrative channels, and to the senate, ways and means for improving traffic and parking conditions, and the administration and enforcement of traffic, parking, and public safety regulations and laws.
- (3) Review, prior to their formal adoption and codification, proposed traffic, parking, and public safety rules and written operational procedures that have an effect on the users of these services. These shall include rules, policies, and university-wide procedures dealing with traffic, parking, personal security, and safety. These shall not include policies relating to the internal operations of university public safety divisions or those issues requiring specific legal, medical, law enforcement, or other expertise.
- (4) Hold at least one publicized annual open hearing to receive information from interested parties with concerns about traffic, parking, and public safety.
- (5) Hold such special hearings as the committee considers necessary when concerns about public safety, traffic, and parking arise in the university community. Reports of such special hearings shall be promptly forwarded through appropriate channels and to the senate.

Balance unchanged.

NOW THEREFORE

BE IT RESOLVED, That the foregoing amendments to the Rules of the University Faculty be adopted as recommended by the University Senate.

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

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DISTINGUISHED SERVICE AWARDS

Resolution No. 88-89

Synopsis: Recommendation for eight 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 eight individuals for approval by the Board of Trustees to receive the Distinguished Service Award at a time convenient to the University and the recipients:

March 3 and 4, 1988 meeting, Board of Trustees

DISTINGUISHED SERVICE AWARDS (contd)

Raymond S. Bugno
Eugene C. D'Angelo, Jr.
Robert L. Evans
John B. Gerlach
Ruth M. Kessler
Ruth Weimer Mount
Robert W. Wagner
Eva Donelson Wilson

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. Bowser, seconded by Mr. Barone, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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DEGREES AND CERTIFICATES - WINTER QUARTER COMMENCEMENT

Resolution No. 88-90

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

NOW THEREFORE

BE IT RESOLVED, That the degrees and certificates be conferred on March 18, 1988, 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. Teaford, seconded by Mr. Barone, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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March 3 and 4, 1988 meeting, Board of Trustees

HONORARY DEGREE

Resolution No. 88-91

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:

Arno A. Penzias

Doctor of Science

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 Ms. Casto, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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PERSONNEL ACTIONS

Resolution No. 88-92

RESOLVED, That the personnel actions as recorded in the Personnel Budget Records of the University since the February 5, 1988 meeting of the Board, including the following Appointments, Leaves of Absence Without Salary, Professional Improvement Leaves, and Emeritus Titles as detailed in the University Budget be approved, and the Medical Staff Appointments/ Reappointments approved January 28, 1988, by the Hospitals Board be ratified.

Appointments

Name: CHARLES F. BENDER
Title: Director/Professor
Center/Department: Ohio Supercomputer/Chemistry
Effective: April 1, 1988
Salary: \$107,520.00
Present Position: Director and Professor, Advanced Computational Methods Center and Department of Chemistry, University of Georgia, Athens, GA

Name: DAVID E. SCHULLER
Title: Director
Center: The Arthur G. James Cancer Hospital and Research Institute of The Ohio State University
Effective: March 15, 1988
Salary: \$64,440.00
Present Position: Chairperson and Professor, Department of Otolaryngology, The Ohio State University, Columbus, OH

March 3 and 4, 1988 meeting, Board of Trustees

PERSONNEL ACTIONS (contd)

Appointments (contd)

Name: LUTHER G. TWEETEN
Title: Professor (The Andersons Endowed Chair in Agricultural Marketing, Trade and Policy)
Department/Center: Agricultural Economics and Rural Sociology and Ohio Agricultural Research and Development
Effective: January 1, 1988
Salary: \$85,080.00
Present Position: Professor, Department of Agricultural Economics, Oklahoma State University, Stillwater, OK

Leaves of Absence Without Salary

TIN-LUN (JASON) HO, Assistant Professor, Department of Physics, effective Winter Quarter 1988, to visit the University of Pennsylvania.

JO MARLENE JONES, Assistant Professor, Cooperative Extension Service, effective February 1, 1988 through January 31, 1989, to work on her Ph.D. degree at North Carolina State University.

Professional Improvement Leaves

RICHARD W. BJORNSON, Professor, Department of Romance Languages and Literatures, effective Autumn Quarter 1988, Winter Quarter and Spring Quarter 1989.

HENRY J. SCHMIDT, Professor, Department of German, effective Autumn Quarter 1988 and Winter Quarter 1989.

REUBEN AHRONI, Associate Professor, Department of Judaic and Near Eastern Languages and Literatures, effective Autumn Quarter 1988, Winter Quarter and Spring Quarter 1989.

JERRY M. BIGHAM, Associate Professor, Department of Agronomy, effective August 1, 1988 through July 31, 1989.

GRADY W. CHISM III, Associate Professor, Department of Food Science and Nutrition, effective Autumn Quarter 1988 and Winter Quarter 1989.

ANGELA M. DEAN, Associate Professor, Department of Statistics, effective Autumn Quarter 1988, Winter Quarter and Spring Quarter 1989.

J. RONALD GREEN, Associate Professor, Department of Photography and Cinema, effective Autumn Quarter 1988, Winter Quarter and Spring Quarter 1989.

RONALD E. LAYMON, Associate Professor, Department of Philosophy, effective Autumn Quarter 1988, Winter Quarter and Spring Quarter 1989.

LINDA JAMES MYERS, Associate Professor, Department of Black Studies, effective Autumn Quarter 1988, Winter Quarter and Spring Quarter 1989.

March 3 and 4, 1988 meeting, Board of Trustees

PERSONNEL ACTIONS (contd)

Emeritus Titles

EDWIN E. SMITH, Department of Chemical Engineering, with the title Professor Emeritus, effective October 1, 1987.

BEN E. JACOBY, Department of Obstetrics and Gynecology, with the title Clinical Associate Professor Emeritus, effective March 4, 1988, as an exception to the Rules of the University Faculty, 3335-5-19(C).

GERHARD E. MARTIN, Department of Neurology, with the title Clinical Associate Professor Emeritus, effective March 4, 1988, as an exception to the Rules of the University Faculty, 3335-5-19(C).

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

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RESOLUTIONS IN MEMORIAM

Resolution No. 88-93

Synopsis: Resolutions honoring the service of nine 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.

Alice D. Edwards

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on December 14, 1987, of Alice D. Edwards, Instructor Emeritus in the Department of English.

Mrs. Edwards was born on July 25, 1911, in Byer, Ohio. She graduated from Kent State University in 1935 with a B.S. in Education and did graduate work in English at The Ohio State University.

Mrs. Edwards taught English and Latin in the schools of Brewster, Ohio, until she joined the English faculty at The Ohio State University in 1946. Upon her retirement in 1972, she was named Instructor Emeritus.

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in their 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 3 and 4, 1988 meeting, Board of Trustees

RESOLUTIONS IN MEMORIAM (contd)

Edward J. Hardick

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on February 3, 1988, of Edward J. Hardick, Professor in the Department of Communication.

Dr. Hardick was born on April 24, 1930, in Rochester, New York. He graduated from State University of New York Teachers College at Geneseo with a B.S., and received an M.A. degree from The Ohio State University and a Ph.D. from Michigan State University. Prior to assuming his appointment as Director of the Speech and Hearing Section in the Department of Communication at The Ohio State University, Dr. Hardick was Professor and Associate Director of the Speech and Hearing Clinic at Michigan State University and Director of Aural Rehabilitation Services in the Department of Audiology, School of Medicine, Wayne State University.

Dr. Hardick received many honors during his career. He was a Fellow of the American Speech Language and Hearing Association in 1970 and in 1972 was awarded the Outstanding Alumni Award from the Michigan State University College of Communication Arts Alumni Association. He was President of the Academy of Rehabilitative Audiology in 1974-75 and in 1983 was awarded the Honors of the Academy for service and meritorious contributions to the organization.

Research in the area of aural rehabilitation was the major thrust of Dr. Hardick's career. He authored or wrote several chapters for 3 widely used text books on this topic and numerous articles in the area of amplification and rehabilitation.

Organizations to which Dr. Ed Hardick contributed and was a member include the American Speech Language and Hearing Association; The Michigan Speech and Hearing Association; the Academy of Rehabilitative Audiology; the A.G. Bell Association for the Deaf; and the American Association for the Advancement of Science.

Dr. Hardick was a teacher with genuine concern for his students and was thus instrumental in their success in both the academic and clinical realm. Dr. Hardick contributed significantly to the development of the current Speech-Language and Hearing Clinic, to the Speech and Hearing academic unit he served, and to the quality of The Ohio State University.

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy. 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.

Fred R. Keeler

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on December 2, 1987, of Fred R. Keeler, Instructor Emeritus in the Cooperative Extension Service.

Mr. Keeler was born on October 7, 1895, in Lynchburg, Ohio. He received his B.S. in Agriculture from The Ohio State University in 1918; then

March 3 and 4, 1988 meeting, Board of Trustees

RESOLUTIONS IN MEMORIAM (contd)

Fred R. Keeler (contd)

spent eight years teaching Vocational Agriculture.

Mr. Keeler began his Extension experience when he joined the faculty at The Ohio State University in 1926 as a County Agricultural Agent in Ross County. He continued in this position until his retirement in 1956. Upon his retirement he was named Instructor Emeritus. During his employment with the Cooperative Extension Service, he served as President of the Ohio County Extension Association in 1944. Mr. Keeler was respected by his peers and associates throughout the State as he worked to provide excellent Extension educational programs for the citizens of Ross County.

On behalf of the University community, the Board of Trustees expresses its sympathy and understanding to the family of Mr. Keeler. 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.

Dale H. Magleby

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on December 14, 1987, of Dale H. Magleby, Clinical Instructor in the Department of Radiology.

Dr. Magleby was born on August 16, 1923, in Idaho Falls, Idaho. He received his B.S. degree in 1948 and his A.B. degree in 1949 from the Idaho State College. Dr. Magleby served in the U.S. Army from 1943 to 1946.

Dr. Magleby graduated from George Washington University College of Medicine in 1953, served a year of internship at the Memorial Hospital in Phoenix, Arizona, from 1953 to 1954, and three years of residency in the Department of Radiology at The Ohio State University. He became a Diplomate of the American College of Radiology in 1957.

Dr. Magleby entered private practice at Mt. Carmel Hospital in Columbus where he was the Director of Radiology for the past 15 years. Dr. Magleby kept his faculty appointment as a Clinical Instructor in the Department of Radiology of The Ohio State University College of Medicine and participated in the didactic activities of Radiology at The Ohio State University and also at Mt. Carmel Hospital where a significant number of medical students, interns and residents are rotating in clinical services. Dr. Magleby was a member of the American Medical Association; the American College of Radiology; the Radiological Society of North America; the Franklin County Academy of Medicine; and the Central Ohio Radiological Society.

Dr. Magleby will be missed by his professional colleagues and his many friends in the University and the radiological community particularly in Central Ohio.

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy. It was directed that this resolution be

March 3 and 4, 1988 meeting, Board of Trustees

RESOLUTIONS IN MEMORIAM (contd)

Dale H. Magleby (contd)

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 Molnar

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on December 7, 1987, of William Molnar, Professor Emeritus in the Department of Radiology.

Professor William Molnar was born in Iglo, Hungary, on May 1, 1915. He graduated with an M.D. degree from the University of Budapest, Hungary, in 1942 and worked as a radiologist at the Nationalized Health Institute. Professor Molnar emigrated to the United States in 1950 and worked in the Department of Radiology at the Massachusetts Memorial Hospital in Boston from 1950 to 1951, and as an Instructor in Radiology at the Boston University School of Medicine from 1952 to 1954. He joined The Ohio State University in July 1954 as an Assistant Professor of Radiology. In 1957, he was promoted to Associate Professor and in 1961 to Professor. Upon his retirement in 1981, he was named Professor Emeritus.

During his long service as a Professor, Dr. Molnar contributed greatly in the teaching and clinical activities of the Department. His greatest contributions were made in the area of angiocardiography including coronary arteriography, as well as in radiological interventional procedures. His contributions were nationally acknowledged and published in several national peer review journals in more than 50 scientific publications. Some of his students serve as professors in several universities across the country.

Professor Molnar was a member of many professional societies among them the American Medical Association; the Ohio State Medical Association; the North American Radiological Society; the Franklin County Medical Society; and the Central Ohio Radiological Society. He was a Fellow of the American College of Radiology.

The Department of Radiology pays tribute to Professor William Molnar's many innovative contributions in the field of Radiology and to his many years of teaching particularly in the area of cardiovascular radiology.

On behalf of the University community, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in their 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.

Enid C. Moore

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on January 16, 1988, of Enid C. Moore, Instructor Emeritus in the Cooperative Extension Service.

March 3 and 4, 1988 meeting, Board of Trustees

RESOLUTIONS IN MEMORIAM (contd)

Enid C. Moore (contd)

Mrs. Moore was born on September 3, 1907, in Baltimore, Ohio. She received her B.A. in Home Economics Education from Otterbein College in 1929; then spent five years as a Home Economics teacher in Wayne County, Ohio. From 1935 to 1939, she worked as a W.P.A. County Supervisor in Fairfield County. She spent eight years as a home supervisor for the Farmers Home Administration and Farm Security Administration serving Athens, Hocking, and Vinton Counties.

Mrs. Moore began her Extension experience when she joined the faculty at The Ohio State University in 1947 as a County Extension Agent, Home Economics in Scioto County. Mrs. Moore continued in this position until her retirement in 1975.

The National Association of Extension Home Economists presented Mrs. Moore the Florence Hall Award in 1966, for outstanding work in the delivery of home economics programs. She was a member of the American Association of University Women and the Soroptimist Club of Porstmouth, serving as President in 1973.

Mrs. Moore's contributions in providing excellent Extension educational programs during her career earned her the respect and admiration of her co-workers and many thousands of Ohio citizens throughout the length and breadth of Scioto County.

On behalf of the University community, the Board of Trustees expresses its sympathy and understanding to the family of Mrs. Moore. 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.

Ralph S. Paffenbarger

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on January 21, 1988, of Ralph S. Paffenbarger, Professor Emeritus in the Department of Engineering Graphics.

Professor Paffenbarger was born April 25, 1894, in McArthur, Ohio. He completed his B.S. in Electrical Engineering in 1915, B.S. of Industrial Engineering in 1928, and M.S. in 1930 from The Ohio State University.

Professor Paffenbarger served as an Instructor of the Department of Engineering Drawing in October 1919; was promoted to Assistant Professor in 1923; to Associate Professor in 1930; and received the rank of Professor in 1936.

On July 1, 1944, he was appointed as Chairman of the Department of Engineering Drawing where he served as Chairman until his retirement in 1964. Upon his retirement he was named Professor Emeritus. In addition to his administrative and teaching duties he helped design and made the first seating plan for the Ohio Stadium prior to its dedication in 1922. He officiated at Ohio State track meets from the time Jesse Owens ran until well after his retirement, serving as Head Judge for most of those years. He co-authored numerous editions of college textbooks on

March 3 and 4, 1988 meeting, Board of Trustees

RESOLUTIONS IN MEMORIAM (contd)

Ralph S. Paffenbarger (contd)

engineering drawing. In 1977, he received the Distinguished Service Award for his dedication to the University.

Professor Paffenbarger was a member and secretary of The Ohio State University Athletic Board. He was a member and past president of the Columbus Rotary Club and The Ohio State University Faculty Club. He also was Past Commander of the American Legion and Past Master of University Lodge No. 631 F&AM where he served as secretary for many years. He was also a member of the Executives Council of Tau Beta Pi, the engineering honorary.

His professional organizations included American Society for Engineering Education where he served on various committees from 1944 through 1964. In 1956, he received the Distinguished Service Award for the Engineering Drawing Division of ASEE.

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 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 Roger Smith

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on December 31, 1987, of Charles Roger Smith, Dean Emeritus in the College of Veterinary Medicine.

Born in 1918 Hartsville, Ohio, Dr. Smith attended Ohio Univeristy, and received his D.V.M. (1944), M.Sc. (1946) and Ph.D. (1953) from The Ohio State University. He began teaching at the veterinary college in 1944, and became Chairman of its Department of Physiology and Pharmacology in 1957. In 1969, Dr. Smith was named Director of the Office of Veterinary Medicine Education, a position he held until becoming Dean in 1973. Dr. Smith retired as Dean in 1980, but continued teaching part-time at the College until his death. Upon his retirement he was named Dean Emeritus.

Dr. Smith was a Charter Diplomate of the American College of Veterinary Internal Medicine (cardiology) and a Fellow of the American College of Veterinary Pharmacology and Therapeutics. He gained national and international recognition as an authority on comparative mammalian cardiovascular physiology and for his studies on the biology of the heart and cardiovascular diseases.

During his career, Dr. Smith published more than 100 scientific articles and wrote several textbook chapters. He was named the Ohio Veterinarian of the Year in 1979 and was presented with the College of Veterinary Medicine's Distinguished Alumnus Award in 1981.

On behalf of the University, the Board of Trustees expresses to the family of Dr. Charles Roger Smith its deep sympathy and sense of understanding in their 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 3 and 4, 1988 meeting, Board of Trustees

RESOLUTIONS IN MEMORIAM (contd)

Donald V. Unverferth

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on January 8, 1988, of Donald V. Unverferth, The James Hay and Ruth Jansson Wilson Professor in Cardiology and Assistant Director for Research Affairs, Division of Cardiology in the Department of Internal Medicine.

Dr. Unverferth was born on April 21, 1944, in Dayton, Ohio, where he spent the early years of his life. He attended The Ohio State University and was awarded a Bachelor of Science degree in 1966 and Doctor of Medicine in 1970. He served in the military from 1971 until 1973.

During his undergraduate days he was known by many for his outstanding performance as quarterback of the Ohio State football team from 1963 to 1965.

Dr. Unverferth completed his medical internship and residency at Ohio State, held a cardiology fellowship, and served as chief resident before joining The Ohio State University faculty in 1978.

In 1987, he was named to The James Hay and Ruth Jansson Wilson Professorship in Cardiology. He was the first to hold the position which was established for the purpose of honoring a distinguished cardiologist working in research, education, and disease prevention. Dr. Unverferth's work involved research on congestive heart failure, particularly cardiomyopathy, a sickness of the heart muscle.

Dr. Unverferth has authored numerous publications and was a fellow and member of several professional societies and university committees. Throughout his life, he actively devoted his time to professional and civic endeavors. He is especially remembered for his dedication and outstanding achievements in research and his outstanding attributes as a teacher and clinician.

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in their loss. It was directed 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. 88-94

Synopsis: The reports on contracts, grants, and gifts and the summary for January 1988 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

March 3 and 4, 1988 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 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 and The Ohio State University Development Fund during the month of January 1988 be approved.

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

SUMMARY FOR JANUARY 1988

Source	No. of Projects	Support Level
The Ohio State University Research Foundation	101	\$7,343,482.58
Engineering Experiment Station	51	\$ 775,484.00
Total	152	\$8,118,966.58
The Ohio State University Development Fund		
Establishment of Named Funds		
Edward Montgomery, Jr., Scholarship Fund (Scholarships - The Ohio State University Marching Band)		\$ 110,000.00
The Scott A. Webb Loan Fund (Loans)		\$ 97,974.00
The Ethel Manley Long Fund (Programs and special events of the Wexner Center for the Visual Arts)		\$ 25,000.00
The Frank Clarke Long, Sr., Memorial Cancer Research Fund (Cancer research)		\$ 25,000.00
The Dean W. and Ruth Jeffers Cancer Research Endowment Fund (Cancer research)		\$ 23,500.00
Frederick P. Zuspan Lectureship (Sponsor an annual lecture series in obstetrics and gynecology)		\$ 18,000.00

March 3 and 4, 1988 meeting, Board of Trustees

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

SUMMARY FOR JANUARY 1988 (contd)

The Ohio State University Development Fund (contd)

Establishment of Named Funds (contd)

INONA (Fund) Scholarships \$ 15,000.00*

The Tom H. and Ellen M. Robinson Crop
Improvement Fund
(Fund basic agronomic research in developing
new or improved agronomic crops) \$ 8,000.00

Change of Name and Description of Named Fund

From: The Ward, Kaps and Perry Scholarship Fund
To: The Ward-Bloomfield Scholarship Fund

*Funds through the estate of Edward G. Lawton (\$15,000) are being distributed through the Attorney General's office. The funds will be released when the endowment description has been approved by the Board of Trustees.

March 3 and 4, 1988 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION

Report - January 1988

Federal Research Contracts/Grants

\$450,351.00 - Department of Education, Office of Postsecondary Education, Washington, D.C., Academic Facilities Program, Department of Biochemistry (G. A. Marzluf), University Libraries (W. J. Studer), Department of Communication (D. M. Dell), School of Natural Resources (C. B. Davis), and Research and Graduate Studies Administration (J. M. Hollander), 1 December 1987 through 31 July 1988. (Project 766521 - New)

\$363,952.00 - Department of Education, Office of Educational Research and Improvements, Washington, D.C., ERIC Clearinghouse on Adult, Career, and Vocational Education, The National Center for Research in Vocational Education (R. D. Ryan), 2 January 1988 through 31 December 1988. (Project 766522 - Continuation)

\$360,000.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, Joint Services Electronics Program (JSEP), Department of Electrical Engineering, ElectroScience Laboratory (L. Peters, Jr., P. H. Pathak, E. H. Newman, R. T. Compton and N. N. Wang), 1 October 1987 through 30 September 1988. (Project 766541 - Continuation)

\$315,255.00 - Department of Education, Office of Educational Research and Improvements, Washington, D.C., Operation of an Educational Resources Information Center (ERIC) Clearinghouse on Science, Mathematics, and Education, Department of Educational Studies: Humanities, Science, Technological and Vocational (R. W. Howe), 1 January 1988 through 31 December 1988. (Project 766518 - Continuation)

\$200,055.90 - Department of Agriculture, Science and Education, Peoria, Illinois, Cooperative Agricultural Research, Office of the Director - OARDC (H. R. Conrad and R. F. Edwards), 1 October 1987 through 30 September 1988. (Project 766472 - Continuation)

\$196,000.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Image Processing Equipment, Department of Surgery (J. F. Cornhill and S. R. Simon), College of Medicine - Administration (D. L. Fry), and Department of Otolaryngology (D. J. Lim), 11 January 1988 through 10 January 1989. (Project 766542 - New)

\$150,000.00 - National Science Foundation, Washington, D.C., Glaciological and Climatological Analysis of the Past 2000 Years from Antarctic Ice Cores, Byrd Polar Research Center (E. Mosley-Thompson and L. G. Thompson), 1 July 1988 through 31 December 1988. (Project 764798 - Continuation)

\$132,028.00 - Department of the Air Force, Air Force Systems Command, Bolling Air Force Base, D.C., In-Situ Laser Activation of Electrochemical Charge Transfer Kinetics, Department of Chemistry (R. L. McCreery), 1 December 1987 through 30 November 1988. (Project 766526 - 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)

\$131,300.00 - National Science Foundation, Washington, D.C., Emission Line Regions of Active Nuclei and Classical Novae, Department of Astronomy (G. J. Ferland), 1 June 1988 through 30 November 1991. (Project 766540 - New)

\$128,691.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, B(a)P-Metabolism and Modification of DNA in Human Skin Xenograft, Department of Physiological Chemistry and Comprehensive Cancer Center (G. E. Milo), 15 January 1988 through 31 December 1988. (Project 766549 - New)

\$121,697.00 - Department of the Air Force, Air Force Systems Command, Wright-Patterson Air Force Base, Ohio, Thermodynamic and Diffusivity Measurements in Potential Ultra-High Temperature Composite Materials, Department of Ceramic Engineering (J. D. Cawley) and Department of Metallurgical Engineering (G. R. St. Pierre), 1 October 1987 through 30 September 1988. (Project 766346 - Continuation)

\$120,000.00 - Department of Agriculture, Science and Education, Washington, D.C., Regulation of Porcine Preadipocyte Growth and Use for Clone Production, Department of Animal Science - OARDC and Department of Animal Science (T. G. Ramsay and M. E. White), 15 September 1987 through 30 September 1990. (Project 766544 - New)

\$120,000.00 - Department of the Air Force, Air Force Systems Command, Wright-Patterson Air Force Base, Ohio, Modeling Cumulative Damage Processes in Composite Laminates, Department of Civil Engineering (R. S. Sandhu), 1 October 1987 through 30 September 1988. (Project 764779 - Continuation)

\$111,334.00 - National Science Foundation, Washington, D.C., Presidential Parties in 1988 Electoral Politics, Department of Political Science (J. H. Kessel and W. G. Jacoby), 1 February 1988 through 31 January 1990. (Project 766571 - New)

\$111,000.00 - National Science Foundation, Washington, D.C., Structure, Dynamic Behavior, and Synthesis of Selected Solvated Carbanionic Substances, Department of Chemistry (G. A. Fraenkel), 1 December 1987 through 31 May 1989. (Project 765472 - Continuation)

\$104,046.00 - Department of Education, Office of Special Education and Rehabilitation Services, Washington, D.C., Preservice Training for Ohio School Psychologists to Provide Related Services Promoting Placement in the Least Restrictive Environment for Students Who are Severely Handicapped, College of Education - Administration (T. M. Stephens), 1 June 1988 through 31 May 1989. (Project 766059 - Continuation)

\$99,905.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, Mixing in Supersonic Shear Layers, Department of Mechanical Engineering (M. Samimy), 1 February 1988 through 31 January 1990. (Project 765931 - 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)

\$96,188.00 - National Science Foundation, Washington, D.C., Knowledge Aided Architectural Problem Solving and Design, School of Architecture (C. I. Yessios), 1 March 1988 through 30 November 1988. (Project 765681 - Continuation)

\$95,000.00 - Department of Transportation, National Highway Traffic Safety Administration, East Liberty, Ohio, Free Flight Composite Head Development, Department of Mechanical Engineering (J. A. Collins), 1 January 1988 through 31 December 1988. (Project 765776 - Continuation)

\$95,000.00 - Department of the Air Force, Air Force Systems Command, Wright-Patterson Air Force Base, Ohio, Controller Design Approaches and Evaluations, Department of Electrical Engineering (U. Ozguner and S. Yurkovich), 5 December 1987 through 31 August 1988. (Project 766464 - Continuation)

\$87,303.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Biochemistry of Natural Products, Biotechnology Programs (P. E. Kolattukudy), 1 January 1988 through 31 March 1988. (Project 766224 - Continuation)

\$84,113.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Cooperative Human Tissue Network, Comprehensive Cancer Center and Department of Pathology (K. Clausen) and Comprehensive Cancer Center and Department of Physiological Chemistry (R. W. Trewyn), 1 January 1988 through 31 March 1988. (Project 765857 - Continuation)

\$80,861.00 - National Aeronautics and Space Administration, Ames Research Center, Moffett Field, California, Discrete Control Modeling 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 January 1987 through 31 December 1987. (Project 763264 - Continuation)

\$74,300.00 - National Science Foundation, Washington, D.C., Structural Relaxation in Oxide Glasses, Department of Ceramic Engineering (P. K. Gupta), 1 February 1988 through 31 January 1989. (Project 766572 - New)

\$69,872.00 - National Aeronautics and Space Administration, Lewis Research Center, Cleveland, Ohio, Adaptive Arrays for Satellite Communication, Department of Electrical Engineering, ElectroScience Laboratory (I. J. Gupta and E. K. Walton), 1 January 1988 through 20 July 1988. (Project 764040 - Continuation)

\$69,843.00 - National Science Foundation, Washington, D.C., Proto Miwok and Proto Costanoan Reconstruction, Department of Linguistics (C. A. Callaghan), 1 April 1988 through 30 June 1990. (Project 765071 - 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)

\$67,500.00 - National Science Foundation, Washington, D.C., Raman and Spatially Resolved Spectroelectrochemistry, Department of Chemistry (R. L. McCreery), 1 January 1988 through 30 June 1989. (Project 764803 - Continuation)

\$65,081.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Southwest Oncology Group, Department of Internal Medicine (S. P. Balcerzak), 1 January 1988 through 31 March 1988. (Project 761094 - Continuation)

\$65,044.00 - National Science Foundation, Washington, D.C., Natural Convection in Enclosures, Department of Mechanical Engineering (S. A. Korpela) and Department of Physics (C. D. Andereck), 1 July 1988 through 30 June 1989. (Project 765154 - Continuation)

\$62,500.00 - National Science Foundation, Washington, D.C., Presidential Young Investigator Award, Department of Physics (C. Jayaprakash), 1 January 1988 through 31 December 1988. (Project 764850 - Continuation)

\$59,970.00 - National Aeronautics and Space Administration, Langley Research Center, Hampton, Virginia, Decentralized Control and Identification Experiments for the NASA Langley Research Center SCOLE (Spacecraft Control Laboratory Experiment Program), Department of Electrical Engineering (U. Ozguner and S. Yurkovich), 1 January 1988 through 31 December 1988. (Project 765807 - Continuation)

\$50,000.00 - Department of Energy, Argonne, Illinois, Geochemistry of Small Tundra Drainage Basins in Response to Active Layer Disturbance, Byrd Polar Research Center and Department of Agronomy (K. R. Everett), 1 January 1988 through 31 December 1988. (Project 764231 - Continuation)

\$50,000.00 - Department of the Army, Army Materiel Command, Dover, New Jersey, Synthesis of Polynitro Cage Molecules, Department of Chemistry (L. A. Paquette), 1 November 1987 through 29 April 1988. (Project 765379 - Continuation)

\$49,988.00 - National Science Foundation, Washington, D.C., The Biology of Mixed-Species Foraging Groups: An Experimental Approach, Department of Zoology (T. C. Grubb), 15 January 1988 through 30 June 1989. (Project 766535 - New)

\$47,515.00 - National Science Foundation, Washington, D.C., Cenozoic Micropaleontology and Biostratigraphy of the Victoria Land Basin, Byrd Polar Research Center and Department of Geology and Mineralogy (P. N. Webb), 1 June 1988 through 31 May 1989. (Project 766547 - Continuation)

\$36,122.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Hypertension and Congestive Heart Failure: Genetic Model, Department of Food Science and Nutrition - OARDC and Department of Food Science and Nutrition (S. A. McCune), 1 December 1987 through 28 February 1988. (Project 766383 - 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)

\$34,944.00 - National Aeronautics and Space Administration, Lewis Research Center, Cleveland, Ohio, Studies in Electromagnetic Scattering, Department of Electrical Engineering, ElectroScience Laboratory (P. H. Pathak), 1 January 1988 through 30 June 1988. (Project 763822 - Continuation)

\$34,585.00 - National Science Foundation, Washington, D.C., Glacial Geology of the Ice Fields of the East Antarctic Ice Sheet, Near Allan Hills, Victoria Land, Byrd Polar Research Center and Department of Geology and Mineralogy (G. Faure), 1 January 1988 through 31 December 1988. (Project 766546 - Continuation)

\$33,094.00 - National Science Foundation, Washington, D.C., Structure, Biosynthesis, and Degradation of the Biopolymers Cutin and Suberia, Biotechnology Programs (P. E. Kolattukudy), 1 July 1987 through 31 May 1988. (Project 766545 - New)

\$30,046.00 - Department of the Air Force, Air Force Systems Command, Wright-Patterson Air Force Base, Ohio, Theoretical Approach to Analysis and Design of Efficient Reduced-Controls for Space Structures, Department of Aeronautical and Astronautical Engineering (H. A. Oz), 1 October 1987 through 30 September 1988. (Project 765624 - Continuation)

\$27,787.00 - National Science Foundation, Washington, D.C., A Workshop to Examine the Application of Scientific Drilling to the Solution of Antarctic Earth-Science Objectives, Byrd Polar Research Center and Department of Geology and Mineralogy (P. N. Webb), 1 January 1988 through 31 December 1988. (Project 766550 - New)

\$27,620.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Structure of Ribosomal 5S RNA and 5.8S RNA, Department of Chemistry (A. G. Marshall), 1 January 1988 through 31 March 1988. (Project 762523 - Continuation)

\$26,767.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Neural Control of Human Intestinal Mucosa, Department of Physiology (H. J. Cooke), 1 January 1988 through 31 March 1988. (Project 765037 - Continuation)

\$20,911.00 - Department of the Army, Army Materiel Command, Fort Monmouth, New Jersey, Computer Communication Protocols for Advanced Communication Systems, Department of Computer and Information Science (M. T. Liu), 21 December 1987 through 31 March 1988. (Project 765838 - Continuation)

\$20,000.00 - 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), 1 March 1988 through 30 November 1988. (Project 763362 - 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)

\$18,996.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Regulation of Splicing of Drosophila MLC-ALK Pre-mRNA, Department of Molecular Genetics (S. Falkenthal and B. G. Leicht), 1 February 1988 through 31 January 1989. (Project 766565 - New)

\$16,000.00 - Department of State, Washington, D.C., Adaptation of Media for Use in Biosphere Reserves, Department of Natural Resources - OARDC and School of Natural Resources (C. B. Davis, G. W. Mullins and R. W. Fortner), 1 November 1987 through 30 September 1988. (Project 766103 - Continuation)

\$15,000.00 - Department of the Army, Army Tank Automotive Command, Warren, Michigan, A Mobility System Design Study for an Agile Automatic Land Vehicle, Department of Mechanical Engineering (K. J. Waldron) and Department of Electrical Engineering (C. A. Klein), 1 January 1988 through 31 March 1988. (Project 764306 - Continuation)

\$9,144.00 - Department of Education, Office of Postsecondary Education, Washington, D.C., National Resource Center for Slavic and East European Studies, Department of Slavic and East European Languages and Literatures (L. I. Twarog), 15 August 1987 through 14 August 1988. (Project 765593 - Continuation)

\$5,490.00 - National Science Foundation, Washington, D.C., Reconstruction of the Transantarctic Mountains Foreland Basin, Byrd Polar Research Center and Department of Geology and Mineralogy (J. W. Collinson), 10 December 1987 through 31 December 1988. (Project 766551 - New)

TOTAL - FEDERAL AWARDS **\$4,842,198.90**

State of Ohio Research Contracts/Grants

\$140,471.00 - State of Ohio, Department of Health, Columbus, Ohio, OSU High Risk Perinatal Project -- Care of the High Risk Mother and Infant, Department of Pediatrics (L. Cordero), 1 October 1987 through 30 September 1988. (Project 765042 - Continuation)

\$55,087.00 - State of Ohio, Department of Natural Resources, Columbus, Ohio, Establishment of a Fairport Harbor Facility, Department of Zoology (T. A. Bookhout), 1 April 1988 through 30 June 1988. (Project 766201 - Continuation)

\$32,715.00 - State of Ohio, Department of Natural Resources, Columbus, Ohio, Evaluation of Fish Management Techniques, Department of Zoology (T. A. Bookhout), 1 January 1988 through 31 December 1988. (Project 766202 - Continuation)

\$20,000.00 - State of Ohio, Department of Mental Retardation and Developmental Disabilities, Columbus, Ohio, Strategies for Developing and Implementing Preservice Curriculum for Trainers and Facilitators of Employment Opportunities for Persons with Developmental Disabilities in

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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)

Ohio, Nisonger Center (D. Cavin) and Department of Education Services and Research (B. Growick), 1 January 1988 through 31 December 1988. (Project 766564 - New)

\$6,500.00 - State of Ohio, Department of Natural Resources, Columbus, Ohio, Evaluation of Fish Management Techniques, Department of Zoology (T. A. Bookhout), 1 January 1988 through 31 December 1988. (Project 766202 - Continuation)

\$6,362.00 - State of Ohio, Ohio Arts Council/Ohio Humanities Council Joint Program, Columbus, Ohio, A Multi-Media Renaissance Theatre and T.V. Production of A Comedy of Betrothal, Department of Theatre (A. S. Golding), 15 January 1988 through 31 July 1988. (Project 766563 - New)

\$5,434.00 - State of Ohio, Department of Human Services, Columbus, Ohio, Child Abuse Prevention, College of Medicine - Administration (G. L. Trzebiatowski), 4 January 1988 through 31 March 1988. (Project 766527 - New)

\$2,796.11 - State of Ohio, Department of Health, Columbus, Ohio, Impact of Rape Education Strategies on College Students, Center for Women's Studies (M. M. Fonow) and Department of Sociology (L. W. Richardson), 1 October 1986 through 31 December 1987. (Project 765817 - Continuation)

\$2,000.00 - State of Ohio, Ohio Arts Council, Columbus, Ohio, Patricia Herban Consultancy -- Organizational Development, Department of Textiles and Clothing (L. R. Sibley), 1 November 1987 through 29 February 1988. (Project 766554 - New)

\$614.52 - State of Ohio, Department of Education, Columbus, Ohio, Southwest Vocational Education Personnel Development Regional Center, Department of Agricultural Education (R. K. Barrick and L. H. Newcomb), Department of Educational Policy and Leadership (A. J. Miller) and Department of Home Economics Education (S. V. Redick), 1 July 1987 through 30 June 1988. (Project 766226 - Continuation)

\$354.00 - State of Ohio, Ohio Arts Council, Columbus, Ohio, Publication Support for "The Journal: The Literary Magazine of Ohio State University," Department of English (D. J. Citino), 1 October 1987 through 30 September 1988. (Project 766160 - Continuation)

TOTAL - STATE OF OHIO AWARDS \$ 272,333.63

Industrial Research Contracts/Grants

\$150,000.00 - The Procter and Gamble Company, Cincinnati, Ohio, The Physicochemical Characterization of Membrane Lipids Using Time-Resolved X-ray Diffraction, Department of Chemistry (M. Caffrey and D. W. Meek), 1 October 1987 through 30 September 1990. (Project 766529 - New)

\$95,000.00 - Ross Laboratories, Columbus, Ohio, Maximizing Yield of Specific Antibody in Mammary Secretion of Lactating Dairy Cows,

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Industrial Research Contracts/Grants (contd)

Department of Dairy Science - OARDC (K. L. Smith), 1 January 1988 through 31 December 1988. (Project 765238 - Continuation)

\$80,000.00 - Wyeth Laboratories, Philadelphia, Pennsylvania, An Open-Label Study of the Effects of Anaritide on Central Hemodynamics and Regional Blood Flow in Patients with Severe, Decompensated Congestive Heart Failure, Department of Internal Medicine (P. F. Binkley), 1 November 1987 through 31 May 1989. (Project 766556 - New)

\$73,626.65 - Abbott Laboratories, Abbott Park, Illinois, A Comparative Study of Polymer Coated Erythromycin Versus Doxycycline in the Treatment of Chlamydia Trachomatis Genital Infections, College of Pharmacy (J. A. Visconti) and University Health Service (D. I. Charles), 27 January 1988 through 26 January 1989. (Project 766570 - New)

\$62,500.00 - E. R. Squibb and Sons, Princeton, New Jersey, Effect of SQ29,852 on Blood Pressure in Patients with Mild to Moderate Hypertension, Department of Family Medicine (R. M. Guthrie) and Department of Pharmacology (N. Gerber), 1 December 1987 through 14 December 1988. (Project 765696 - New)

\$53,874.00 - Universal Energy Systems, Inc., Dayton, Ohio, Demonstration of Parallel Computation for a 3D-Rigid Viscoplastic Finite Element Method, Department of Computer and Information Science (K. Schwan, P. Sadayappan and B. Weide) and Department of Electrical Engineering (F. E. Ozguner), 1 October 1987 through 18 July 1988. (Project 765894 - Continuation)

\$49,975.00 - Astra Alab AB, Sodertalje, Sweden, Novel Drug Delivery Systems, College of Pharmacy (S. Frank), 1 January 1988 through 31 December 1988. (Project 762165 - Continuation)

\$38,920.00 - Parexel International Corporation, Cambridge, Massachusetts, A Double-Blind, Placebo-Controlled Study with Open-Label Follow-Up to Determine the Safety and Efficacy of r-HuEPO, Administered Subcutaneously, in Chronic Anemia Induced by Advanced Cancer, Department of Internal Medicine (J. J. Rinehart and P. L. Triozzi), 1 January 1988 through 31 December 1988. (Project 766558 - New)

\$38,920.00 - Parexel International Corporation, Cambridge, Massachusetts, A Double-Blind, Placebo-Controlled Study to Determine the Safety and Efficacy of r-HuEPO via Subcutaneous Administration in Patients with Anemia Secondary to Advanced Cancer and Aggressive Cyclic Chemotherapy, Department of Internal Medicine (J. J. Rinehart and P. L. Triozzi), 1 January 1988 through 31 December 1988. (Project 766559 - New)

\$38,920.00 - Parexel International Corporation, Cambridge, Massachusetts, A Double-Blind, Placebo-Controlled Study to Determine the Effect of Subcutaneous r-HuEPO in Patients with Chronic Anemia Secondary to Cisplatin Chemotherapy, Department of Internal Medicine (J. J. Rinehart and P. L. Triozzi), 1 January 1988 through 31 December 1988. (Project 766560 - New)

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Industrial Research Contracts/Grants (contd)

\$38,920.00 - Parexel International Corporation, Cambridge, Massachusetts, A Double-Blind, Placebo-Controlled Study with Open-Label Follow-Up to Determine the Safety and Efficacy of r-HuEPO in AIDS Patients with Anemia Induced by Their Disease and AZT Therapy, Department of Internal Medicine (J. J. Rinehart and P. L. Triozzi), 1 January 1988 through 31 December 1988. (Project 766561 - New)

\$38,920.00 - Parexel International Corporation, Cambridge, Massachusetts, A Double-Blind, Placebo-Controlled Study with Open-Label Follow-Up to Determine the Safety and Efficacy of r-HuEPO in AIDS Patients with Anemia, Department of Internal Medicine (J. J. Rinehart and P. L. Triozzi), 1 January 1988 through 31 December 1988. (Project 766562 - New)

\$22,570.00 - AT&T Bell Laboratories, Columbus, Ohio, Improving the Written Communication Skills of Nonnative Speakers of English in the Work Setting Through Individualized Tutorial, Department of English/Second Language (R. N. Kantor), 4 January 1988 through 30 June 1988. (Project 766524 - Continuation)

\$19,997.00 - Universal Energy Systems, Inc., Dayton, Ohio, Automated Design of Large-Scaled Frame Structures with Multiple Frequency Constraints, Department of Civil Engineering (O. G. McGee), 1 January 1988 through 31 December 1988. (Project 766537 - New)

\$19,995.00 - Universal Energy Systems, Inc., Dayton, Ohio, Assessing the Attributes of Expert Judgment: Measuring Bias in Subjective Uncertainty Estimates, Department of Psychology (T. E. Nygren), 15 December 1987 through 15 December 1988. (Project 766553 - New)

\$10,000.00 - Gerber Products Company, Fremont, Michigan, The Antimicrobial Action of Banana Puree, Department of Food Science and Nutrition - OARDC and Department of Food Science and Nutrition (E. R. Richter), 1 October 1987 through 30 September 1988. (Project 766528 - New)

\$6,135.00 - Boeing Computer Services, Seattle, Washington, RAMCAD Software Development, Department of Computer and Information Science (B. Chandrasekaran), 1 January 1988 through 31 March 1988. (Project 766470 - Continuation)

\$2,896.40 - Sandoz, Inc., East Hanover, New Jersey, The Efficacy of a Potent Somatostatin Analog (SMS 201-995) in the Management of Type I (Insulin-Dependent) Diabetic Patients, Department of Internal Medicine (K. Osei), 1 June 1986 through 30 June 1988. (Project 765742 - Continuation)

\$2,500.00 - Agway, Inc., Syracuse, New York, Feeding Roasted Soybeans and Calcium Soaps to Dairy Cattle During Early Lactation With or Without Supplemental Niacin, Department of Dairy Science - OARDC and Department of Dairy Science (M. L. Eastridge), 1 November 1987 through 31 October 1988. (Project 766531 - New)

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Industrial Research Contracts/Grants (contd)

Equipment - Xerox Corporation, Palo Alto, California, Equipment Request to Xerox Corporation, Department of Computer and Information Science (B. Chandrasekaran and S. A. Mamrak), 1 September 1987 through 31 May 1988. (Project 764969 - Continuation) (Approximate Dollar Value - \$20,000)

TOTAL - INDUSTRIAL AWARDS \$ 843,669.05

Other Non-Federal Research Contracts/Grants

\$744,720.00 - John D. and Catherine T. MacArthur Foundation, Chicago, Illinois, The Early Literacy Research Project, Department of Educational Theory and Practice (G. S. Pinnell), 1 January 1988 through 31 December 1990. (Project 766533 - New)

\$200,000.00 - Ohio University, Athens, Ohio, Molecular Farming: Recombinant Gene Expression in Bovine Mammary Gland and Hen Oviduct, Department of Dairy Science - OARDC (F. L. Schanbacher and C. P. Hodgson), 1 July 1987 through 30 June 1988. (Project 766005 - Continuation)

\$67,818.00 - University Affiliated Cincinnati Center for Developmental Disorders, Cincinnati, Ohio, Prevention Continuing Education in Rural Areas, Nisonger Center (S. R. Schroeder and J. Rojahn), 1 January 1988 through 31 December 1988. (Project 764528 - Continuation)

\$50,000.00 - Muscular Dystrophy Association, New York, New York, Steroid Therapy of Duchenne Dystrophy: Molecular Mechanisms, Department of Neurology (K. W. Rammohan), 1 January 1988 through 31 December 1988. (Project 766573 - New)

\$45,761.00 - Costa Rica Government, San Jose, Costa Rica, Agricultural Credit Sources in Costa Rica, Department of Agricultural Economics and Rural Sociology (C. Gonzalez-Vega), 10 January 1988 through 30 June 1988. (Project 766523 - New)

\$42,911.00 - Temple University, Philadelphia, Pennsylvania, Preventing Adolescent Drug Abuse Through the Improvement of Parenting Skills, Department of Psychology (R. Montemayor), 30 September 1987 through 31 August 1988. (Project 766569 - New)

\$33,613.00 - University of California, Santa Barbara, California, Effects of Stereotypes Based on Illusory Correlations, Department of Psychology (S. J. Sherman), 1 August 1987 through 30 June 1988. (Project 766451 - New)

\$31,480.00 - Dairy Research Foundation, Logan, Utah, Rapid Evaluation of the Microbiological Quality of Raw and Processed Milk and Milk Products by the Limulus Amebocyte Lysate Procedure, Department of Food Science and Nutrition - OARDC and Department of Food Science and Nutrition (E. M. Mikolajcik and E. R. Richter), 1 September 1987 through 31 August 1989. (Project 766514 - New)

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Other Non-Federal Research Contracts/Grants (contd)

\$29,500.00 - University of California, Livermore, California, Research in Astrophysics, Department of Physics and Department of Astronomy (R. N. Boyd), 1 April 1987 through 31 March 1988. (Project 766567 - New)

\$25,000.00 - California Institute of Technology, Pasadena, California, Altimetry Research in Ocean Circulation, Department of Geodetic Science and Surveying (R. H. Rapp), 1 January 1988 through 31 December 1988. (Project 766536 - New)

\$24,901.00 - Washtenaw Intermediate School District, Ann Arbor, Michigan, A Plan to Provide Technical Assistance to the Washtenaw Intermediate School District for Implementation of an Exemplary Public School/Community College Vocational-Technical Education Program, The National Center for Research in Vocational Education (R. D. Ryan), 1 December 1987 through 30 June 1988. (Project 766552 - New)

\$21,507.00 - Muscular Dystrophy Association, New York, New York, Calcineurin -- Membrane Interactions, Department of Chemistry (M. M. King), 1 January 1988 through 31 December 1988. (Project 765869 - Continuation)

\$21,455.00 - Indonesia Government, Jakarta, Indonesia, Sandwich Program for the Second Indonesia-IBRD Teacher Training Program, College of Education - Administration (J. J. Buffer), 15 December 1987 through 30 June 1988. (Project 766525 - Continuation)

\$19,500.00 - Upper Arlington City Schools, Upper Arlington, Ohio, Upper Arlington-Ohio State Middle School Project, School of Health, Physical Education and Recreation (M. O'Sullivan), 27 August 1987 through 9 June 1988. (Project 766555 - Continuation)

\$17,000.00 - March of Dimes Birth Defects Foundation, White Plains, New York, A Mammalian Estrogenicity Testing System for Polyhalogenated Hydrocarbons: Genetic Toxicological Testing for Potentially Estrogenic Substances, Department of Dairy Science - OARDC (C. P. Hodgson and L. B. Willett), 1 December 1987 through 30 November 1988. (Project 765117 - Continuation)

\$5,262.00 - Junior League of Columbus, Columbus, Ohio, Prepared Childbirth for Mentally Retarded Women, Nisonger Center (E. King), 1 August 1987 through 1 March 1988. (Project 766557 - New)

\$3,353.00 - Capital University, Columbus, Ohio, Student Personnel in Higher Education, Department of Educational Policy and Leadership (R. F. Rodgers), 1 January 1988 through 31 May 1988. (Project 766539 - Continuation)

\$1,000.00 - Anderson Foundation (Ohio), Maumee, Ohio, Programming for Computer Access and Expansion of a Videodisc, Woody Landscape Plants of the Temperate U.S., to Aid Marketing Ohio's Woody Plants, Department of

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Other Non-Federal Research Contracts/Grants (contd)

Horticulture - OARDC and Department of Horticulture (T. D. Sydnor), 1 January 1988 through 31 December 1988. (Project 766520 - New)

\$500.00 - The Wexner Foundation, Columbus, Ohio, A Multi-Media Renaissance Theatre and T. V. Production of A Comedy of Retrothal, Department of Theatre (A. S. Golding), 1 January 1988 through 30 June 1988. (Project 766575 - New)

Personnel Services - Battelle Memorial Institute, Columbus, Ohio, Statistical Analysis Support for the Assessment of Toxic Substances, Department of Statistics (P. K. Goel, J. C. Hsu and J. Verducci), 1 October 1987 through 30 September 1991. (Project 766543 - New) (Approximate Dollar Value - \$495,663)

TOTAL - OTHER NON-FEDERAL AWARDS \$1,385,281.00

ENGINEERING EXPERIMENT STATION

State Sponsored Research and Development

\$184,718.00 - The Ohio Department of Transportation, Columbus, OH, "Continued Operation of a Transfer Center for Rural Transportation Agencies in Ohio," Department of Civil Engineering, 1 January 1988 through 31 December 1988. (529749)

Industrial and Other Sponsored Research and Development

\$181,700.00 - Additional budget from Applied Information Technology Research Center, Columbus, OH, "An Environment for Supporting Translations Among Different Representations of Similar Data Objects," Department of Computer and Information Science, 1 June 1986 through 30 June 1988. (529712, Ext. 3)

\$100,000.00 - IBM, Milford, CT, "Reimplementation of Knowledge Systems Tools for IBM RT," Department of Computer and Information Science, 1 January 1988 through 31 December 1988. (529747)

\$53,260.00 - Teledyne Industries, San Diego, CA, "Theoretical Analysis for Predicting the Radiation Properties of a Crossed-Slot Antenna," Department of Electrical Engineering, 1 January 1988 through 31 December 1988. (529748)

\$49,958.00 - NCR Corporation, Dayton, OH, "Data Analysis of Circuit Performance for NCR Cold CMOS Circuits," Department of Electrical Engineering, 1 January 1988 through 31 December 1988. (529744)

\$43,422.00 - from 29 sponsors of 32 development projects through four research areas/departments of the College of Engineering.

\$40,000.00 - Edison Materials Technology Center, Kettering, OH, "Development of Pure Ceramic Semiconducting Components," Department of Ceramic Engineering, 1 January 1988 through 31 December 1988. (312443)

March 3 and 4, 1988 meeting, Board of Trustees

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

ENGINEERING EXPERIMENT STATION (contd)

Industrial and Other Sponsored Research and Development (contd)

\$40,000.00 - Edison Materials Technology Center, Kettering, OH, "Development of Metal Matrix Composites," Department of Metallurgical Engineering, 1 January 1988 through 31 December 1988. (312442)

\$29,765.00 - Gates Learjet Corp., Wichita, KS, "Two Dimensional Airfoil Test," Department of Aeronautical and Astronautical Engineering, 4 December 1987 through 30 June 1988. (312440)

\$21,935.00 - EPRI, Palo Alto, CA, "Characterization of Ceramic Materials for Electric Power Plant Operations," Department of Ceramic Engineering, 1 November 1983 through 31 December 1987. (312792, Ext. 4)

\$20,000.00 - Westinghouse, Glen Burnie, MD, for funding of membership to the Compact Range Consortium, Department of Electrical Engineering, 1 July 1987 through 30 June 1988. (312884)

\$20,000.00 - Edison Materials Technology Center, Kettering, OH, "Material and Process Selection, Substitution and Optimization," Department of Metallurgical Engineering, 1 August 1987 through 31 July 1988. (312445)

\$16,000.00 - Chemineer, Inc., Dayton, OH, "Heat Transfer in Mixing Systems," Department of Chemical Engineering, 1 January 1988 through 31 December 1988. (529745)

\$13,442.00 - American Society of Mechanical Engineers, New York, NY, "Editing Services of Journal of Mechanisms, Transmissions and Automation in Design," Department of Mechanical Engineering, 1 December 1987 through 30 September 1988. (312441)

\$10,296.00 - Amideast, Washington, DC, "Training Program in Regional and City Planning," Department of City and Regional Planning, 1 January 1988 through 31 March 1988. (312444)

\$10,000.00 - Battelle Columbus Division, Columbus, OH, "Heat Exchanger Aspects of a Gas Fired Cooling Only Heat Pump," Department of Mechanical Engineering, 1 September 1987 through 30 June 1989. (312439)

\$8,250.00 - Additional budget from Battelle Columbus Division, Columbus, OH, "FP&L St. Lucie Neutron Dosimetry," Department of Mechanical Engineering, 20 July 1987 through 30 September 1988. (312431, Ext. 1)

\$5,000.00 - Welding Research Council, New York, NY, "Weldability of Duplex Stainless Steels," Department of Welding Engineering, 1 January 1988 through 30 June 1988. (529750)

\$2,402.00 - Universal Energy Systems, Dayton, OH, "Bringing up a Graphic Iconic Display," Department of Computer and Information Science, 1 January 1988 through 31 March 1988. (529746)

March 3 and 4, 1988 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 Scott A. Webb Loan Fund (contd)

The annual income shall be used to make loans to worthy students at The Ohio State University for the purpose of assisting them to obtain an education. The terms of the loans are under the jurisdiction of the University Committee on Student Financial Aid. Loan terms and application and repayment procedures will be consistent with other University loan procedures. Selection of the loan recipients will be made by the University Committee on Student Financial Aid.

It is the desire of the donor that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in consultation with the University Committee on Student Financial Aid, in order to carry out the desire of the donor.

The Ethel Manley Long Fund

The Ethel Manley Long Fund was established March 4, 1988, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from Frank Clarke Long, Jr., M.D. (B.A. '32, M.D. '36), 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 shall be used for programs and special events of The Wexner Center for the Visual Arts. All expenditures shall be approved by the Executive Director of the Wexner Center in consultation with the Dean of the College of The Arts.

It is the desire of the donor that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in consultation with the appropriate college dean, department chairperson, or program administrative officer in order to carry out the desire of the donor.

The Frank Clarke Long, Sr., Memorial Cancer Research Fund

The Frank Clarke Long, Sr., Memorial Cancer Research Fund was established March 4, 1988, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from Frank Clarke Long, Jr., M.D. (B.A. '32, M.D. '36), Columbus, Ohio.

March 3 and 4, 1988 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 Clarke Long, Sr., Memorial Cancer Research 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.

Annual income shall be used for cancer research in the Arthur G. James Cancer Hospital and Research Institute. All expenditures shall be approved by the Medical Director of the Cancer Hospital and Research Institute in consultation with the Dean of the College of Medicine.

It is the desire of the donor that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in consultation with the appropriate college dean, department chairperson, or program administrative officer in order to carry out the desire of the donor.

The Dean W. and Ruth Jeffers Cancer Research Endowment Fund

The Dean W. and Ruth Jeffers Cancer Research Endowment Fund was established March 4, 1988, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from Dean W. Jeffers, 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 shall be used to support cancer research in the Arthur G. James Cancer Hospital and Research Institute as approved by the Medical Director of the Cancer Research Institute and the Dean of the College of Medicine. If it is determined that funding for cancer research is so ample, then the income from this fund may be used for those purposes deemed appropriate by the Medical Director of the Cancer Research Institute.

It is the desire of the donor that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in consultation with the appropriate college dean, department chairperson, or program administrative officer in order to carry out the desire of the donor.

March 3 and 4, 1988 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

Establishment of Named Funds (contd)

Frederick P. Zuspan Lectureship

The Frederick P. Zuspan Lectureship was established March 4, 1988, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from members of the Department of Obstetrics & Gynecology.

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 shall be used to sponsor an annual lecture series in obstetrics and gynecology. Income will be used to defray expenses in sponsoring lectures and related activities. Expenditures from the fund shall be authorized by the Chairperson of the Department of Obstetrics & Gynecology.

It is the desire of the donors that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in consultation with the appropriate college dean, department chairperson, or program administrative officer in order to carry out the desire of the donors.

INONA (Fund) Scholarships

The INONA (Fund) Scholarships was established March 4, 1988, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from the estate of Edwin G. Lawton 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 shall be used for scholarships for Native American students. The purpose of the scholarships is to educate and prepare individual students for leadership roles within the Independent Nations of Native Americans (INONA). Recipients shall demonstrate an understanding and appreciation of the culture, heritage, religion and traditions of the Native American people. Scholarship recipients will be selected upon the recommendation of the University Committee on Student Financial Aid.

It is the desire of the donor that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall

March 3 and 4, 1988 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

Establishment of Named Funds (contd)

INONA (Fund) Scholarships (contd)

be designated by the Board of Trustees in consultation with the University Committee on Student Financial Aid, in order to carry out the desire of the donor.

The Tom H. and Ellen M. Robinson Crop Improvement Fund

The Tom H. and Ellen M. Robinson Crop Improvement Fund was established March 4, 1988, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from Tom H. Robinson (B.S.Agr. '73) and Ellen M. Robinson (B.S.Ed. '74) of Powell, 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 this fund shall be used to fund basic agronomic research in developing new or improved agronomic crops. Expenditures for the fund shall be approved by the department chair.

It is the desire of the donors that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in consultation with the appropriate college dean, department chairperson, or program administrative officer in order to carry out the desire of the donors.

Change of Name and Description of Named Fund

The Ward-Bloomfield Scholarship Fund

The Ward, Kaps and Perry Scholarship Fund was established April 1, 1977, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from Paul F. Ward (J.D. '39), David S. Bloomfield (B.S. '66, J.D. '69), and Sally W. Bloomfield (J.D. '69), all of Columbus, Ohio. The name and description were changed March 4, 1988.

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 shall be used to provide financial assistance to one or more students with demonstrated financial need who are enrolled in the College of Law. The selection of the recipient(s) shall be made by the University Committee on Student Financial Aid upon the recommendation of

March 3 and 4, 1988 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)

The Ward-Bloomfield Scholarship Fund (contd)

the Dean of the College of Law. Students who have demonstrated academic ability and have a definite need for financial assistance will be considered 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 the recommendations from the appropriate administrative official of the University who is then directly responsible for law education.

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**REQUEST FOR CONSTRUCTION BIDS AND
ESTIMATE OF COST - FUNDING**

Resolution No. 88-95

Synopsis: Authorization to request construction bids is proposed.

WHEREAS the plans and specifications for the following projects have been completed and, at the request of the Vice President for Business and Administration, the President recommended that the Board of Trustees authorize the request for construction bids:

RHODES HALL ADMINISTRATIVE OFFICES

Project: Expansion of the existing first floor administrative offices to provide a total of ten offices and two conference rooms instead of the present five offices and one conference room; and renovation of the first floor entrance lobby and new reception desk. A new canopied entrance "air lock" vestibule is included to be bid as an alternate. This will provide weather protection for patients and visitors and will eliminate cold winds from penetrating the reception area.

Funding: University Hospitals Funds

Estimated Construction Cost: \$599,500.00

Estimated Project Cost: \$668,260.00

March 3 and 4, 1988 meeting, Board of Trustees

**REQUEST FOR CONSTRUCTION BIDS AND
ESTIMATE OF COST - FUNDING (contd)**

BIOTECHNOLOGY CENTER RIGHTMIRE HALL - GROWTH CHAMBERS

Project: Renovation of approximately 3900 square feet in the basement of Rightmire Hall for the installation of fourteen growth chambers, including a new emergency generator and new electrical distribution center.

Funding: University Funds

Estimated Construction Cost: \$425,000.00

Estimated Project Cost: \$540,450.00

NOW THEREFORE

BE IT RESOLVED, That the President and/or Vice President for Business and Administration be authorized, in accordance with established University procedures, to request construction bids on these projects, and if satisfactory bids are received, to award the necessary contracts, with all actions to be reported to this Board at the appropriate time.

Upon motion of Ms. Casto, seconded by Mr. Barone, 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. 88-96

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 Clinical Medical Services and Bee Laboratory Replacement projects as follows:

CLINICAL MEDICAL SERVICES

Description: This project provides for the construction of a four floor and basement addition providing space for clinical medical services which will serve all of the existing and proposed medical buildings contiguous to the east end of the existing University Hospitals, and the remodeling of existing spaces. This will provide an important link for cancer patients and operations between the main hospital and the Cancer Research Institute. The first floor will contain admitting offices, radiology and EKG testing areas; the second floor will house nuclear medicine, nuclear pharmacy and nuclear pharmaceutical research; the third floor will

March 3 and 4, 1988 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)**

CLINICAL MEDICAL SERVICES (contd)

contain the blood bank, phlebotomy/pheresis area and offices for bone marrow department; the fourth floor will be a pre-operative holding area, surgical/pathology area and surgical administrative offices. Construction is scheduled to begin February 1988 and is to be completed February 1990.

General Contract

Date Received:	January 21, 1988
No. of Bids:	5
Low Bid:	\$3,445,000.00**
High Bid:	\$4,157,417.00*
Estimate of Cost:	\$3,288,727.00*
Awarded to:	Sherman R. Smoot Co., Columbus, OH

Plumbing Contract

Date Received:	January 21, 1988
No. of Bids:	2
Low Bid:	\$ 515,236.00**
High Bid:	\$ 705,000.00*
Estimate of Cost:	\$ 510,216.00*
Awarded to:	J. A. Croson, Columbus, OH

HVAC Contract

Date Received:	January 21, 1988
No. of Bids:	4
Low Bid:	\$1,453,300.00**
High Bid:	\$1,518,250.00*
Estimate of Cost:	\$1,176,512.00*
Awarded to:	J. A. Guy, Inc., Dublin, OH

*Recommended alternates reflected in these figures.

+General, Plumbing and HVAC Contracts are in excess of filed estimate of cost; however, the total price of all contracts is within 10% of the total estimate of cost and is recommended for award as provided by Section 153.12 of the Revised Code.

March 3 and 4, 1988 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)**

CLINICAL MEDICAL SERVICES (contd)

Electric Contract

Date Received:	January 21, 1988
No. of Bids:	3
Low Bid:	\$ 829,500.00*
High Bid:	\$ 933,400.00*
Estimate of Cost:	\$ 987,895.00*
Awarded to:	Meisner Electric Inc., Columbus, OH
Total All Contracts:	\$6,243,036.00*
Total Contingency Allowance:	\$ 374,607.21 (which is 6% of construction costs)
Total Project Cost:	\$8,400,720.00*
Funding:	University Hospitals Funds

*Recommended alternates reflected in these figures.

NOTE: Movable equipment, asbestos removal, emergency power conduits and administrative costs are included in the total project cost.

BEE LABORATORY REPLACEMENT

Description: This project provides for the construction of a new building just north of the Dairy Science Complex off Lane Avenue, which will provide research, office and storage space to replace the present wood frame structure built in 1912. Construction is scheduled to begin April 1988 and be completed within one year.

General Contract

Date Received:	January 27, 1988
No. of Bids:	3
Low Bid:	\$ 220,470.00**

*Recommended alternates reflected in these figures.

**General and Electric Contracts are in excess of filed estimate of cost; however, the total price of all contracts is within 10% of the total estimate of cost and is recommended for award as provided by Section 153.12 of the Revised Code.

March 3 and 4, 1988 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)**

BEE LABORATORY REPLACEMENT (contd)

General Contract (contd)

High Bid: \$ 232,350.00*
Estimate of Cost: \$ 206,300.00*
Awarded to: Yadkin Inc., Columbus, OH

Plumbing Contract

Date Received: January 27, 1988
No. of Bids: 3
Low Bid: \$ 47,839.00*
High Bid: \$ 63,250.00*
Estimate of Cost: \$ 53,500.00*
Awarded to: J. A. Croson, Columbus, OH

HVAC Contract

Date Received: January 27, 1988
No. of Bids: 2
Low Bid: \$ 35,567.00*
High Bid: \$ 35,600.00*
Estimate of Cost: \$ 36,315.00*
Awarded to: C. R. Legner Co., Columbus, OH

Electric Contract

Date Received: January 27, 1988
No. of Bids: 6
Low Bid: \$ 71,210.00**

*Recommended alternates reflected in these figures.

+General and Electric Contracts are in excess of filed estimate of cost; however, the total price of all contracts is within 10% of the total estimate of cost and is recommended for award as provided by Section 153.12 of the Revised Code.

March 3 and 4, 1988 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)**

BEE LABORATORY REPLACEMENT (contd)

Electric Contract (contd)

High Bid:	\$ 85,575.00*
Estimate of Cost:	\$ 66,300.00*
Awarded to:	Buckeye Electric Co., Dayton, OH
Total All Contracts:	\$ 375,086.00*
Total Contingency Allowance:	\$ 22,254.00 (which is 6% of construction costs)
Total Project Cost:	\$ 448,134.80*
Funding:	H.B. 552, S.B. 381, S.B. 348 and University Funds

*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 projects listed above are hereby approved.

Upon motion of Mrs. Bowser, seconded by Ms. Casto, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**EASEMENT
OHIO BELL TELEPHONE COMPANY**

Resolution No. 88-97

Synopsis: Authorization to grant an easement to the Ohio Bell Telephone Company for construction of an underground communication system is requested.

WHEREAS the Ohio Bell Telephone Company has requested a 15-year easement consisting of a strip of land 10 feet in width and approximately 3900 feet in length for an easement located at Lane and Kenny Roads; and

WHEREAS the underground communication system will serve University property and private property; and

WHEREAS the appropriate University offices have recommended this easement be granted:

NOW THEREFORE

March 3 and 4, 1988 meeting, Board of Trustees

**EASEMENT
OHIO BELL TELEPHONE COMPANY (contd)**

BE IT RESOLVED, That the 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 this easement.

Upon motion of Mr. Barone, seconded by Ms. Casto, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**EASEMENT
CITY OF JACKSON, OHIO**

Resolution No. 88-98

Synopsis: Authorization to grant an easement to the City of Jackson, Ohio, for installation of a water relief main is requested.

WHEREAS the City of Jackson has requested a 15-year easement consisting of strips of land 15 feet in width and 1,190 feet in length and 20 feet in width and 1,630 feet in length for an easement located on a farm in Jackson and operated by the Ohio Agricultural Research and Development Center; and

WHEREAS the City of Jackson has been granted a right of entry to perform the work; and

WHEREAS the water relief main will serve University property and private property; and

WHEREAS the appropriate University offices have recommended 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 this easement.

Upon motion of Mr. Imke, seconded by Ms. Casto, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**EASEMENT
THE EAST OHIO GAS COMPANY**

Resolution No. 88-99

Synopsis: Renewal of a gas pipeline easement to The East Ohio Gas Company is proposed.

March 3 and 4, 1988 meeting, Board of Trustees

**EASEMENT
THE EAST OHIO GAS COMPANY (contd)**

WHEREAS in 1972 the University granted to The East Ohio Gas Company a 15-year easement consisting of a strip of land 30 feet wide and approximately 975 feet in length for a gas pipeline right of way at the Agricultural Technical Institute; and

WHEREAS this easement has expired and The East Ohio Gas Company has requested a renewal of the easement for a period of 15 years; and

WHEREAS the gas pipeline serves University property; and

WHEREAS the appropriate University offices have recommended the renewal of this easement:

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 this easement.

Upon motion of Ms. Casto, seconded by Mr. Teaford, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**AMENDMENTS OF RESTATED AGREEMENT, FIRST SUPPLEMENTAL INDENTURE
AND REMARKETING AGREEMENT -- \$42,500,000 THE OHIO STATE UNIVERSITY
VARIABLE RATE DEMAND GENERAL RECEIPTS BONDS, SERIES 1985
Resolution No. 88-100**

Synopsis: Providing for certain amendments to the First Supplemental Trust Indenture (the "First Supplemental Indenture"), dated as of December 30, 1985, between The Ohio State University (the "University") and The Huntington National Bank, as trustee (the "Trustee"), as amended by the Amendment Agreement (the "Amendment Agreement"), dated as of December 1, 1986, between the Trustee and the University, the Restated Standby Bond Purchase and Term Loan Agreement (the "Restated Standby Agreement"), dated as of December 1, 1986, between the University and The Industrial Bank of Japan, Limited, New York Branch (the "Bank"), and the Remarketing Agreement (the "Remarketing Agreement"), dated as of December 1, 1985, between John Nuveen & Co. Incorporated, as remarketing agent, and the University, for the purpose of permitting the assignment by the Bank of its obligations under the Restated Standby Agreement to The Industrial Bank of Japan, Limited, Chicago Branch (the "Chicago Branch").

WHEREAS on December 6, 1985, the Board of Trustees (the "Board") of the University adopted a resolution (the "Series 1985 B Bond Resolution") authorizing the issuance of the \$42,500,000 The Ohio State University Variable Rate Demand General Receipts Bonds, Series 1985 B (the "Series 1985 B Bonds"); and

March 3 and 4, 1988 meeting, Board of Trustees

**AMENDMENTS OF RESTATED AGREEMENT, FIRST SUPPLEMENTAL INDENTURE
AND REMARKETING AGREEMENT — \$42,500,000 THE OHIO STATE UNIVERSITY
VARIABLE RATE DEMAND GENERAL RECEIPTS BONDS, SERIES 1985 (contd)**

WHEREAS the Series 1985 B Bonds are secured by a Trust Indenture, dated as of November 15, 1985, between the Trustee and the University (the "Original Indenture"), as supplemented by the First Supplemental Indenture; and

WHEREAS pursuant to the Series 1985 B Bond Resolution and the Original Indenture, as supplemented by the First Supplemental Indenture, the University and the Bank entered into the Standby Bond Purchase and Term Loan Agreement (the "Standby Agreement"), dated as of December 30, 1985, between the University and the Bank, for the purpose of providing liquidity support for the Series 1985 B Bonds; and

WHEREAS pursuant to the Original Indenture, as supplemented by the First Supplemental Indenture, the University and the Remarketing Agent entered into the Remarketing Agreement; and

WHEREAS on December 5, 1986, the Board of the University adopted a resolution authorizing the execution by the University of the Amendment Agreement and the Restated Standby Agreement for the purpose of amending the First Supplemental Indenture and the Standby Agreement, respectively; and

WHEREAS the Bank has requested the University to consent to (i) the assignment to the Chicago Branch of the Bank's obligations under the Restated Standby Agreement and (ii) the termination of all of the Bank's obligations thereunder; and

WHEREAS Section 12.7 of the Restated Standby Agreement permits assignment by the Bank of the Restated Standby Agreement, but provides that the Bank shall continue to be liable under the Restated Standby Agreement following any such assignment (the "Section 12.7 Assignment Restriction"); and

WHEREAS the Board has determined that it is an accommodation to the Bank consistent with the best interests of the University to waive the Section 12.7 Assignment Restriction and to authorize certain amendments to the Restated Standby Agreement, the First Supplemental Indenture, as amended by the Amendment Agreement, and to the Remarketing Agreement, for the purpose of assigning the Bank's rights and obligations under the Restated Standby Agreement to the Chicago Branch:

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 the Original Indenture, the First Supplemental Indenture and the Series 1985 B Bond Resolution and all interpretations therein provided shall have in this Resolution the same meanings, respectively, and be subject to the same interpretations as therein provided or used, unless the context or use clearly indicates another or different meaning or intent.

March 3 and 4, 1988 meeting, Board of Trustees

**AMENDMENTS OF RESTATED AGREEMENT, FIRST SUPPLEMENTAL INDENTURE
AND REMARKETING AGREEMENT — \$42,500,000 THE OHIO STATE UNIVERSITY
VARIABLE RATE DEMAND GENERAL RECEIPTS BONDS, SERIES 1985 (contd)**

Section 2. Waiver of the Section 12.7 Assignment Restriction, Amendment of the Restated Standby Agreement, the First Supplemental Indenture, as Amended by the Amendment Agreement, and the Remarketing Agreement. The Chairman or the Treasurer are hereby authorized on behalf of the University, with advice of counsel, to consent to and take all necessary actions to waive the Section 12.7 Assignment Restriction and to amend the Restated Standby Agreement, the First Supplemental Indenture, as amended by the Amendment Agreement, and the Remarketing Agreement, for the purpose of assigning the Bank's rights and obligations under the Restated Standby Agreement to the Chicago Branch. In connection therewith, the Chairman or the Treasurer, with advice of counsel, may execute, on behalf of the University, any documents or certificates necessary to accomplish such waiver and assignment as shall not, in the Chairman or Treasurer's judgment, in any way impair the University's rights under the Restated Standby Agreement, the First Supplemental Indenture, as amended by the Amendment Agreement, or the Remarketing Agreement, or under any other agreement, document or certificate executed or delivered in connection with the issuance of the Series 1985 B Bonds.

Section 3. Text of Resolution. The text of this Resolution authorizing the execution by the Chairman or the Treasurer, on behalf of the University, of all documents and certificates necessary to accomplish the waiver and assignment and any acts related thereto, may be changed for the purpose of curing any ambiguity, inconsistency or formal defect or omission in this Resolution or in respect of this Resolution as it relates to such waiver or assignment. Such changes shall be subject to the approval of the Chairman or the Treasurer as being changes not inconsistent with the best interests of the University or contrary to the true intent or meaning hereof and shall be acceptable to Bond Counsel.

Section 4. Open Meeting Determination. It is found and determined that all formal actions of the Board concerning or relating to the adoption of this Resolution were adopted in an open meeting of the Board, and that all deliberations of the 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 Revised Code.

Section 5. Effective Date. This Resolution shall take effect and be enforced immediately upon its adoption.

Upon motion of Mr. Teaford, seconded by Ms. Casto, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**ACCEPTANCE OF THE GIFT OF STOCK
COLUMBUS H.I., INC.
3110 OLENTANGY RIVER ROAD, COLUMBUS, OHIO**

Resolution No. 88-101

Synopsis: Authorization to accept 100% stock ownership in Columbus H.I., Inc., (The University Inn) is being requested.

March 3 and 4, 1988 meeting, Board of Trustees

**ACCEPTANCE OF THE GIFT OF STOCK
COLUMBUS H.I., INC.
3110 OLENTANGY RIVER ROAD, COLUMBUS, OHIO (contd)**

WHEREAS the owners of Columbus H.I., Inc., desire to donate 100% of the outstanding stock of the corporation to The Ohio State University; and

WHEREAS the corporation consists of the assets and liabilities associated with The University Inn, a hotel located at 3110 Olentangy River Road, Columbus, Ohio; and

WHEREAS it is intended the corporation will retain its current legal form as a for-profit corporation; and

WHEREAS the renovation and modernization will result in a modern hotel and conference facility with 244 guest rooms and suites and 16,000 square feet of meeting and banquet space; and

WHEREAS the acceptance of this gift of stock is desirable and in the best interest of The Ohio State University:

NOW THEREFORE

BE IT RESOLVED, That the stock of Columbus H.I., Inc., be accepted as a gift to The Ohio State University through the Development Fund pending all appropriate legal and financial reviews; and

BE IT FURTHER RESOLVED, That the Treasurer is authorized to retain the stock gift of Columbus H.I., Inc., for the University's Endowment Fund portfolio; and

BE IT FURTHER RESOLVED, That the President and/or Vice President for Business and Administration be authorized to execute the necessary agreements in order for the corporation to refinance and renovate the hotel, including a guarantee by The Ohio State University Endowment Fund of one million dollars of the outstanding loan balance.

Upon motion of Mrs. Bowser, seconded by Mr. Barone, the Board of Trustees adopted the foregoing resolution with five affirmative votes cast by Messrs. Redman, Barone, Kessler, and Mrs. Bowser and Ms. Casto, and a negative vote cast by Mr. Teaford, and an abstention by Mr. Immke.

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President Jennings:

Thank you, Mr. Chairman. I've got one more item. As you know, we are in the process of a major curriculum review at Ohio State University, and it is one of the most important academic issues that we are currently engaged in, and I would like Dr. Brand to briefly update you as to where we stand on that issue. Myles, if you would?

Dr. Brand:

Yes, thank you for the opportunity. I'm very pleased to be able to report progress on the curriculum review. Let me briefly remind you of the process.

March 3 and 4, 1988 meeting, Board of Trustees

Dr. Brand: (contd)

A year ago last spring we set up a university-wide committee chaired by Professor Gerald Reagan to outline the conceptual framework for curriculum review at this University.

Unlike other universities, we are undertaking a complete curriculum review. We are looking at general education university-wide. We are also looking at the majors programs in every case, over 200, I should mention, and all the support and delivery services for education. So we're doing a full review.

That committee came forward with its report. The Arts and Sciences, the five colleges of Arts and Sciences, were then charged to form a committee to provide a model, at a conceptual level sufficient to be specific about the curriculum without yet talking about implementation.

That committee has been working very hard for almost a year now and has engaged the faculty completely in the debate. They have come forward with a first draft and expect by the end of the Spring Quarter to win acceptance from the faculty of a strong general education model, the first step in the process. That model will emphasize basic skills and competencies for all our students including writing and communication skills. It will assure that every student is scientifically and technologically literate, an important feature that's not shared by other curriculum reviews across the country. It will include a strong international affairs element, a language component, a strong social science component, as well as a strong humanities and fine arts component.

The faculty have been fully engaged in this process, as well as the students. We are now beginning to look forward to the implementation of the process in the next few years. Recently we had to Campus, as part of a lecture series, Ernest Boyer, who is from the Carnegie Foundation. Mr. Boyer is extremely knowledgeable about curriculum reforms across the country and indeed wrote a book recently, called College, that was very well received. Mr. Boyer had extremely laudatory things to say about our program, both its extent and its depth. I believe we're on the right track and I also believe that this will take Ohio State one step further towards greatness.

Mr. President, I'm very pleased about this proposal.

President Jennings:

Thank you, Myles. I appreciate those brief comments. The brevity of those comments should not indicate the lack of importance. This is one of the most important things going on at the University, not only now but in an historical context. It is a debate that is raging in academic circles across the country. It is a debate that has been engaged by virtually all segments of the educational community and the public, I might add, as well.

I'm also extremely pleased to point out that whether it's Ernie Boyer or Bloom at the University of Chicago, that the most

March 3 and 4, 1988 meeting, Board of Trustees

President Jennings: (contd)

current activities they've engaged in is the curriculum review and they have discovered what Ohio State has been engaged in for the past two years and indicated that Ohio State is substantially ahead of the rest of the country.

Now, at this time of the year in a university I know you're all aware, and the faculty is all aware, that we are now engaged in the planning process for the next fiscal year beginning in July of 1988. As Myles pointed out, the next steps of this curriculum will be taking place this coming fall, first steps being the development of the courses and experimental activity. I think it is important to point out not only to this Board but to the faculty, staff, and students that this is not only an extraordinarily important item, and a timely item, but this is going to be an expensive proposition as well. It is an expense that we recognize and it is an expense that should be made.

I want to indicate that when the budget material comes to you in May and June of this year, there will be a special allocation of \$3 million to the Provost's Office to fund the costs associated with this curriculum. Those costs are going to involve not only course development, but will involve laboratory activity in the sciences and additional faculty as class sizes are smaller and more extensive. They will cut across the entire gamut of the institution. We expect the cost to be \$3 million. It may go higher than that, but at this stage the 88-89 budget will include an allocation of \$3 million to the Provost for specifically the costs associated with this curriculum. There will be additional new money, recurring money as well -- and I say recurring money, our folks know what recurring money is. That means they get it the following year, too, and the following year after that. That will be in the allocation. We can expect these costs to be well worth it, and well worth it to the future of this University, and well worth it to our most important clientele, namely the students of this Institution.

It is particularly timely that this freshman class of 1988 is the class of '92 where there will be a major celebration in Columbus, and this class will be engaged in that celebration. But they will be the first graduates of a major new curriculum that I think will lead the nation in undergraduate education.

Mr. Chairman, that completes my report.

Mr. Redman:

Okay. I would like to have committee reports, if any, from the Development Fund. Mr. Kessler?

Mr. Kessler:

No report.

March 3 and 4, 1988 meeting, Board of Trustees

Mr. Redman:

No report. The Research Board, Mr. Barone?

Mr. Barone:

We met yesterday and I will make that report at the June meeting, because I just gave a report at the last meeting.

Mr. Redman:

Very good. And the University Hospitals Board, Mrs. Bowser?

Mrs. Bowser:

We met last Thursday, February 25, and it was the first meeting we'd had using our new format of committee structure. As you know, we've gone through an evaluation and this is the first time that we have met with this new structure. It went very well for the first time, and you will probably be hearing more about it as we continue.

At our next meeting we plan to compare our Hospitals' effectiveness against other Big 10 hospitals with regard to the quality assurance and the various business measures. And I think, Mr. Kessler asked once, "You give us this information, but what is that compared to." So the Hospitals Board will be taking a look at that and hopefully we'll be sharing that with you.

Dr. Mekhjian reported that the medical staff and the administrative leadership have been meeting regularly since January to discuss items of mutual concern related to budget reductions, bed allocation and census, and utilization of the nursing staff. We're also taking a look at the emergency department and the efficiency with which we're working there.

Mr. Covert reported to the Hospitals Board that the obstetrics and newborn patient care area has been licensed again by the Ohio Department of Health. And that the Joint Commission on Accreditation of Hospitals has given the hospital another full three-year accreditation. We really appreciate all the work that went into that, both from the medical staff and the administrative staff.

We continued on the Hospitals Board talking with Mr. Covert and his staff about the pressures, the financial pressures that are going to come to bear on the Hospitals this next year. It's sort of coming from different directions both with Medicare and Medicaid.

There was some announcement picked up by the press that lay-offs would be the way we would be handling this. We were assured that it wouldn't be across-the-board kinds of lay-offs, that this would be taken care of through normal attrition and retirement, and so on and so forth. But we're looking at everything in order to keep the costs in-line with what we know our income to be.

March 3 and 4, 1988 meeting, Board of Trustees

Mrs. Bowser: (contd)

And lastly, in our Board's search for continuing education programs, next month we're hoping to have a special meeting with Dr. William Cleverley, who is really an outstanding expert across the nation in hospital administration. He's on our staff and we've never utilized his services. So we will be bringing him to the next Board meeting and discussing with him some of his ideas as to how we can financially --

Mr. Redman:

You mean the Hospitals Board?

Mrs. Bowser:

The Hospitals Board. That happens at Ohio State occasionally when we have a real expert right in our own backyard and we use other experts. We forget that we have someone on staff that's traveling the country doing the same thing. So we're looking forward to having Dr. Cleverley with us and utilizing his services. That's my report.

Mr. Teaford:

Mr. Chairman, I think the changes that the Hospitals Board has made in terms of committees and everything are very much to be commended, and in fact maybe ought to be emulated. But I think that we really need to call attention to what significant things the Hospitals Board has done over the last year in terms of their structure and improving the information they're able to give us, and indeed the information that they themselves now know about the Hospitals and its administration.

Mr. Redman:

Well, I agree, Mr. Teaford.

Mrs. Bowser:

Thank you. It hasn't been without a certain amount of pain.

Mr. Redman:

Any comments about Mrs. Bowser's report? If not, I had a couple of items. I'd like to ask Mr. Ihrig to review the MedOhio financial statements of -- did you give these to the other members of the Board, Mr. Ihrig?

Mr. Ihrig:

The Members of the Fiscal Committee had them and I apologize for not having copies for the other Board Members.

Mr. Teaford:

Perhaps you can send those to us.

March 3 and 4, 1988 meeting, Board of Trustees

Mr. Ihrig:

Yes. The period of seven months through January 31, the operations of the MedOhio are running under the projected budget, as they have been and they're taking actions to make sure that these come closer to budget. The actual year-to-date detail, averaged daily, are running around 165 versus a budget of 200. And that's resulted in a loss during the seven month period of \$436,500, versus a projected loss of \$154,000.

As of December, the Great Western facility was closed as was in the original plan to eventually close that facility and look for other opportunities for that based on the actual volumes that they had seen before and were projecting on that. The amount of referrals from those facilities -- the Hospitals Board at the last meeting was provided information regarding referrals. There were a total of 1,241 referrals during the July through January period, of which 48 per cent, or 596, were referred to University Hospitals.

If you look at the data without the emergency room referrals, since they would be referred to the nearest hospital facility, the per cent of referrals to Ohio State increases to 52 per cent. That ranges from a high of 83 per cent from the Upper Arlington facility, down to a low of 32 per cent from the Great Western facility. And most of those -- the orthopedics and related services received the most referrals followed by the emergency department, otolaryngology, dermatology and neurology. So there are referral activities going on, and the operation of the facilities -- trying to bring in the expenditures to the level of revenues -- continues. The Hospitals have just recently entered into the new agreement with another physicians group who will do the operation, the medical operation, of these facilities. They're looking for a significant turn around, not only in the number of visits, but also in the number of referrals to University Hospitals.

Mr. Redman:

Do you recall, Mr. Ihrig, when we decided to engage in this activity and invest \$6 million in it, that we said at the time that we anticipated losses in the first couple of years?

Mr. Ihrig:

That's correct.

Mr. Redman:

But that the primary function was to help the medical department with referrals for basic medical services that seem to be declining at the University Hospitals. Is it realistic to assume that if someone is in Reynoldsburg, that they're going to be referred to Ohio State University and drive past Grant and Mercy or several other hospitals to get here?

Mr. Ihrig:

I think that depends on the medical specialty. In terms of

March 3 and 4, 1988 meeting, Board of Trustees

Mr. Ihrig: (contd)

emergency treatment, they will go to the nearest facility that can provide the service.

Mr. Redman:

So they wouldn't come here?

Mr. Ihrig:

Not for an emergency, but for other types of referrals that are on a nonemergency basis. Based upon the physician's evaluation in order to have those services done, then I think that the large majority of the referrals can be expected to come to University Hospitals, because "it isn't a case of having to get to the nearest facility." It's the physician that is needed and the type of medical service that they need that predominates in that instance.

Mr. Redman:

Has anybody made a survey of the people that actually attend your -- I suppose most of the Board knows it -- I used to be connected with Big Bear. We were continuously conducting surveys of the women that shopped in the stores, why they were there, why they didn't go there, why they shopped other stores, why they went to Kroger's, or whether it was because it was nearer, or the prices were better, or what.

Don't you think it might be appropriate to make some sort of survey of our own people here? And also it seems to me that MedOhio is not very well-known throughout the community, so that it seems to me we need to upgrade our advertising, or promotion, or something, to approach it in a business-like way.

Mr. Barone:

Professional.

Mr. Ihrig:

I agree with you, Mr. Redman. And the Hospitals, as they reported, are looking into taking steps along those lines, both looking at the cost side as well as looking at what is attracting people to MedOhio, and how to upgrade the number of people coming to the facility.

Mrs. Bowser:

They've been looking at that very issue. The first report they brought to us the Board didn't feel that it was comprehensive enough, that there were too few people interviewed. Dr. Jennings can back me up on this.

President Jennings:

Yes.

March 3 and 4, 1988 meeting, Board of Trustees

Mrs. Bowser:

They need to go back and do some more work before it is acceptable to us.

Mr. Redman:

Who did the interviewing, Mrs. Bowser?

Mrs. Bowser:

There's someone on staff now.

President Jennings:

Someone on staff, it was a very small sample. But the key was, on the general marketing plan, that in some areas it was far too broad a plan and in other areas was far too narrow. I hasten to add that our struggles on this involve the marketing of the overall Hospitals facilities.

Mrs. Bowser:

That's right.

President Jennings:

MedOhio will be an important piece of that, but a piece of that. We've asked our sales people in the Hospitals to come back with a revised proposal on the marketing of the Hospitals in general.

Mrs. Bowser:

I think there are two comments. If you may notice, if you watch TV, there is quite a bit of marketing of local hospitals done. And I think Ohio State -- and I don't have anybody here to comment to back me up -- I think we're looking at a way to market in keeping with our mission and our goal here, which is a little bit different than the private hospitals. One of the success stories, and Scottie can back me up on this, is our in-house insurance program which you call UAHP. This has had phenomenal success. So we know we have a good thing here. What we need to do is tell that story. I think a plan was proposed and it stopped with Dr. Jennings, who has now put himself in the marketing field and said no, this isn't the way we want to go, go back and work this out a little bit. We had quite a discussion at the last Board meeting about it.

Mr. Kessler:

Mr. Chairman?

Mr. Redman:

Yes, Sir.

March 3 and 4, 1988 meeting, Board of Trustees

Mr. Kessler:

In reading the statements -- and I know we were concerned when we made the investment -- in looking at the numbers, our losses are greater than we had projected by \$300,000. I think it might be appropriate, Weldon, either through you or through our representatives on the Hospitals Board, to ask at a meeting in the next couple of months maybe to have them report to us on what they're doing about it to get back to their projection, as well as how they are marketing. That may go into a broader issue which you're touching on now, how we're marketing the whole Hospitals. I think this is a marketing problem more than a cost containment problem. So I think it would be appropriate, Mr. Chairman, maybe to ask Mr. Immke and Mrs. Bowser to ask the Hospitals to come back to us within the next couple of months with a complete review of the marketing plan, with the Hospitals included specifically.

Mrs. Bowser:

I just don't want you Trustees to think we aren't working on it. We are working, but we aren't satisfied with the plan that's come before us so far.

Mr. Redman:

I think, Mrs. Bowser, the only judgment we can render is when we look at the statements, they're not good. We entered into it with our eyes open --

Mrs. Bowser:

That's right.

Mr. Redman:

It was totally laid out, but we did have certain expectancies. I'm only making a suggestion in the hope that it will help. When I was on the Turnpike Commission some years ago, we continuously received complaints about the food service in the restaurants. There are 17 of them and 241 miles. It's a captive audience if you're on the turnpike and you're 50 miles from nowhere.

Mrs. Bowser:

Same way with the Ohio State Parks. I know about food service.

Mr. Redman:

And it got so bad that the Commission decided to put our own inspectors out. Now, I suggest that whoever does your marketing survey should not be from the administration. We had our inspectors report directly back to the Commission. They didn't know when they went in, who they were, and it's surprising how quickly some of the restaurant operations shaped up. Now, we finally decided that we wouldn't give the whole turnpike to any one franchisee. We split it up, and it took a lot of steps. It took a year to get it straightened out, but

March 3 and 4, 1988 meeting, Board of Trustees

Mr. Redman: (contd)

it was bad, it really needed help. That's what I'm thinking here, it's not the same type thing, I'm only saying that your marketing survey is where we need some help.

Mrs. Bowser:

We'll take those comments back.

Mr. Teaford:

Mr. Chairman, too, I want to add something to what you had said before. I believe the principal reason we did this was an educational one. It might be useful to include in that report how we are doing on the educational mission of having MedOhio. I think we had no illusion that this wasn't -- we weren't going in this for the profit; we were going in this for educational purposes. I think that should be included in any report.

President Jennings:

Thank you, Mr. Teaford, that's a very important comment. That's one of the reasons that we were not satisfied with the marketing plan. It had a business emphasis only and not the educational and referral emphasis -- which is really the key -- to get our medical students, our residents, and our interns into an environment that is not just tertiary care. Because everyday our University Hospitals is becoming more of a tertiary care center. We want our students exposed to heart transplants, bone marrow transplants, major cancers, and so forth; but we also want them to be exposed to the common cold, pneumonia, and to appendectomies. Though you've all heard the speech before, we did a thousand heart procedures last year and only 17 appendectomies. When our students graduate, they're more likely to see an appendectomy than they are a heart procedure. And we need to have that balance. Thank you.

Mr. Redman:

If there's no other discussion, then I think we should put that in the minutes, Mr. Secretary, and ask the Hospitals Board to do as Mr. Kessler has requested.

I want to report on the Hospitals billing in response to Mr. Teaford's earlier instruction. I must say that it's been sort of like the tortoise and the hare, we haven't really dashed out there and gotten this job done. I must admit that it has complexities, and the doctors who are involved in it want to be sure that they don't end up on the short end of the stick. Dr. Tzagournis told me that Arthur Andersen had made a report. But when I met with the Price Waterhouse folks, I told them that I thought they should come back now with some sort of a detailed plan within 90 days. And the reason I said 90 days, was because of the fact that I'm going to be gone from here in 90 days. My term expires in May, and hopefully we would have something concrete to give the Board. We could have a fix on

March 3 and 4, 1988 meeting, Board of Trustees

Mr. Redman: (contd)

what it is we're going to do or we're not going to do, we're going to have a plan or we're not going to have a plan, and let's get it down on paper so everybody can look at it. If the doctors have complaints, let's get those all in this process before we develop the plan.

At the May meeting I hope to give you something that will spell out precisely how this is to be done. Now, it won't have all of the "T's" crossed and the "I's" dotted because it will take perhaps six months to install anything that everybody agrees on. It's not an easy task, but I think it's time that we get our teeth into it and have something specific to show how we're going to do it, and if we're going to do it, and everybody gets a chance for some input. So hopefully I'll have another meeting or two with the committee. They've requested that I do so. And I'm willing to help. Because I told the Price Waterhouse people I wasn't going to make the installation, because if I was, I would hope to get paid, you know. But I will be glad to participate and help in any way that I can. I think I can be helpful, but I'd like to get it done before I depart.

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REPORT - UNIVERSITY'S INVESTMENT PORTFOLIO

Resolution No. 88-102

RESOLVED, That the report on the University's Investment Portfolio, dated February 19, 1988, 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, April 7, 1988, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, at 6:30 p.m.

Attest:

Madison H. Scott
Secretary

Edmund C. Redman
Chairman

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APPENDIX III
Degrees Conferred at
THE OHIO STATE UNIVERSITY
COMMENCEMENT CONVOCATION
March 18, 1988

Commencement Speaker

Arno A. Penzias Doctor of Science

Arno Penzias is vice president of research at AT&T Bell Laboratories. His work at Bell Laboratories has included research in radio communications and related areas. He was among the scientists that worked on the pioneering Echo and Telstar® communications satellite experiments. Renowned for his scientific work in radio and astronomy, Arno Penzias shared the 1978 Nobel Prize in physics for his contribution in discovering evidence that supports the "big-bang" theory of the origin of the universe.

Penzias maintains close ties with the academic community and has held adjunct appointments at Princeton, Harvard, and SUNY Stony Brook. While he still conducts some personal research in astrophysics, the main focus of his current work is on the creation and effective use of information technology in society.

A native of Munich, West Germany, Penzias' college education began at the City College of New York, where he received a Bachelor of Science degree in 1954. After two years of service as an officer in the U.S. Army Signal Corps, he returned to college and earned both his master's and doctoral degrees from Columbia University. He has also received a number of honorary degrees and is the only American to hold an honorary doctorate from the Paris Observatory.

He is a member of the National Academy of Science and a number of other scientific and professional organizations. Penzias is a vice chairman of the Committee of Concerned Scientists, a national organization devoted to working for the political freedom of scientists in various countries. Ohio State welcomes him as speaker for this 303rd Commencement and is proud to honor him with a Doctor of Science degree for his lifetime of scientific achievement.

The Graduate School

Dean: Roy A. Koenigsnecht

Doctor of Musical Arts

Kim Andrei Lasarenko, Greenville, MI; B.Mus.; M.M. (Notre Dame University); Music
Dr. Rosemary D. Platt

Doctor of Philosophy

Fatima A. Bakir Abdulkarim, Qatar; B.A. (Qatar University); Home Economics
Dr. Sharon V. Redick

Frank Wesley Abernathy, Jonesboro, AR; B.S. (Arkansas State University); M.S., M.A. (University of Arkansas); S.C.C.T. (Arkansas State University); Zoology
Dr. Ralph E. Stephens

Ali Yahya Al-Zahrani, Beni, Saudi Arabia; B.A., M.A. (San Jose State University); Art Education
Dr. Arthur Efland

Kaveripatnam Venkataraman Balasubramanyam, Bangalore, India; B.E. (Bangalore University); M.Tech. (Indian Institute of Technology); Civil Engineering
Dr. Hojjat Adeli

Lisa Jane Ball, Catasauqua, PA; B.S. (Mohlenberg College); Medical Microbiology and Immunology
Dr. Deborah S. Parris

Robert Rocco Battista, Port Washington, NY; B.S. (C. W. Post - Long Island University); M.S. (Iowa State University); Health, Physical Education and Recreation
Dr. Barbara Nelson

Carl Brent Beamer, Malta, B.S. (Ohio University); M.A. (Kansas State University); History
Dr. Allan R. Millett

Salah El-Din Moustafa Blaih, Alexandria, Egypt; B.S., M.S. (University of Alexandria); Pharmacy
Dr. Carter L. Olson

Connie McSwain Blair, Wheeling, WV; B.S.H.Ed., M.S. (West Virginia University); Home Economics
Dr. Sharon S. Redick

Brenda K. Blessing, Columbus, IN; B.S., M.S. (Indiana State University); Health, Physical Education and Recreation
Dr. Barbara A. Nelson

Gregory Scott Blimling, Baton Rouge, LA; B.A., M.S. (Indiana University); Education
Dr. Robert J. Silverman

Eloise Marilyn Boyle, Salinas, CA; B.A. (University of Vermont); M.A.; Slavic and East European Languages and Literatures
Dr. George Kalbous

Klaus Buchenrieder, Ottonbrunn/R, West Germany; Fachhochschulreife (Fachoberschule Munchen); Dipl.Ing. (Fachhochschule Munchen); M.S.; Computer and Information Science
Dr. Neelam Soundararajan

Jocelyn Wieck Burke, Florence, KY; B.S. (University of Tampa); Pharmacy
Dr. Raymond W. Doskotch

Arnoldo Ricardo Camacho, San Jose, Costa Rica; Licenciante (Universidad de Costa Rica); M.A.; Agricultural Economics and Rural Sociology
Dr. Claudio Gonzalez-Vega

Garret D. Cawthon, Louisville, KY; B.S., M.S. (University of Louisville); Chemical Engineering
Dr. Kent S. Knaebel

Roger Harold Cayton, Columbus; B.A. (DePauw University); Chemistry
Dr. Bruce E. Bursten

Donald Edwin Christenson, Columbus; B.A.; M.A. (Indiana University of Pennsylvania); Music
Dr. Keith E. Mixer

Young Ryan Chung, Seoul, South Korea; B.S., M.S. (Seoul National University); Plant Pathology
Dr. Harry A. Hoitink

Pedro J. Cortes, Popayan, Colombia; M.Sc. (University of Wisconsin); Agricultural Economics and Rural Sociology
Dr. William L. Flinn

Kathryn June Cox, Waverly; B.S.H.E., M.S.; Home Economics
Dr. Sharon V. Redick

Warren Harlan Dick, Toledo; B.A., M.A. (George Washington University); Slavic and East European Languages and Literatures
Dr. Anelya E. Rugaleva

Eric David Evans, Stow; B.S.E.E., M.S.; Electrical Engineering
Dr. Stuart A. Collins

Kathryn Margaret Feltey, Columbus; B.A., M.A. (Wright State University); Sociology
Dr. Kent P. Schwirian

Steven Charles Felton, Dayton; B.A. (Miami University); M.S. (Wright State University); Microbiology
Dr. Julius P. Kreier

Jeffrey Thomas Fiske, Basking Ridge, NJ; B.A. (Susquehanna University); M.A. (Montclair State College); Theatre
Dr. George P. Crepeau

Joan M. Fobbs, Essex Junction, VT; B.S., M.S. (Wright State University); Education
Dr. Virgil Blanke

Jose Donato Fortin, Tegucigalpa, Honduras; B.A. (Stonehill College); M.S., M.S.; Engineering Mechanics
Dr. William E. Clausen

Afan Gaffar, Yogyakarta, Indonesia; B.A., DRS. (Gadjah Mada University); M.A. (Northern Illinois University); Political Science
Dr. William Liddle

Thomas D. Getman, Buffalo, NY; B.S. (State University of New York); M.S.; Chemistry
Dr. Sheldon G. Shore

Patrick Heinrich Ghanaat, Dusseldorf, West Germany; Diplom-Mathematiker (Bonn University); Mathematics
Dr. Ernst A. Ruh

Nina Roosevelt Gibson, Alexandria, B.A. (New School for Social Research); M.A.; Psychology
Dr. Philip M. Clark

Beverly Elaine Girtten, Dayton; B.S. (Miami University); M.S. (University of Akron); Health, Physical Education and Recreation
Dr. A. John Merola

Gretchen Muekenheim Glasgow, Westerville; B.S. (Capital University); M.S.; Health, Physical Education and Recreation
Dr. Mary K. Beyrer

Michele Morath Gottschlich, Cincinnati; B.S. (University of Dayton); M.S. (Case Western Reserve University); Home Economics
Dr. Jean T. Snook

Geraldine LaCourt Grinstead, Wautoma, WI; B.S., M.S. (University of Wisconsin); Speech and Hearing Science
Dr. Lida Wall

Paul Arthur Grygier, Marion; B.E.E., M.S. (University of Dayton); Electrical Engineering
Dr. Hooshang Hemami

Ann Elisa Haertling-Lint, Dublin; B.Mus., M.Mus.; Music
Dr. Jerry E. Lowder

Panayiotis A. Hantzios, Columbus; B.A. (National University of Athens); Astronomy
Dr. Ronald H. Kaitchuck

James Roy Harris, Ashville; B.A. (Earlham College); M.S. (Miami University); Education
Dr. Judy L. Genshaft

Siavash Hashemi, Tehran, Iran; B.S., M.S. (The University of Oklahoma); Nuclear Engineering
Dr. Don W. Miller

- Michael John Higgins-Luthman**, Livonia, MI; B.S. (University of Dayton); M.S.; *Biophysics*
Dr. Carl R. Ingling
- Shirley Brindle Huelsman**, York, SC; B.A., M.A. (Winthrop College); *Education*
Dr. Gilbert A. Jarvis
- James Hui**, Toronto, Ontario, Canada; B.Sc.Ph.M. (University of Toronto); *Pharmacy*
Dr. Richard H. Reuning
- Judythe Ann Hummel**, Solon; B.S. (Bowling Green State University); M.A. (University of Evansville); M.S. (University of Akron); *Education*
Dr. Luvern L. Cunningham
- Meleesa Anne Hunt**, Columbus; B.A., M.A.; *Education*
Dr. Donald J. Tosi
- Franklin Delano Hurt, Jr.**, Columbus; B.A. (Capital University); M.S.; *Education*
Dr. Jack A. Naglieri
- Barbara Schnuttgen Jurasek**, Richmond, IN; B.A. (Youngstown State University); M.A.; *Education*
Dr. Gilbert A. Jarvis
- Mohan V. Kalkunte**, Bangalore, India; B.E. (Bangalore University); M.S. (Syracuse University); *Industrial and Systems Engineering*
Dr. Wilbert E. Wilhelm
- Roland Doyle Kankey**, Enon; B.S. (Wichita State University); M.S. (Oklahoma State University); M.A.; *Business Administration*
Dr. Glenn W. Milligan
- Paul Nick Kardulias**, Campbell; B.A., M.A. (Youngstown State University); M.A. (State University of New York); *Anthropology*
Dr. William M. Sumner
- Vicky Jo Kirschner**, Pataskala; B.S., M.Ed. (Miami University); *Education*
Dr. Alan R. Osborne
- Thomas Alan Kocarek**, Painesville; B.S.Pharm.; *Pharmacy*
Dr. Dennis R. Feller
- George Albert Kohlireser**, Wapakoneta; B.A., M.A. (University of Dayton); *Education*
Dr. Joseph J. Quaranta
- Elizabeth Mary Kudlacz**, Parma; B.S.Pharm.; *Pharmacy*
Dr. Lane J. Wallace
- Chiehwen Lai**, Taiwan, R.O.C.; B.S. (National Taiwan University); M.A.; *Psychology*
Dr. Dean H. Owen
- Der Ming Lieu**, Tainan, Taiwan, R.O.C.; B.S. (National Taiwan University); M.A., M.A.; *Economics*
Dr. Edward J. Kane
- Kenneth Richard Lord**, Salt Lake City, Utah; B.A., M.A. (University of Utah); *Business Administration*
Dr. Robert E. Burnkrant
- Syahron Lubis**, Padang, Indonesia; B.S., DRS. (FKT-IKIP Yogyakarta); M.Ed. (Sam Houston State University); *Vocational Education, Comprehensive Program*
Dr. J. Robert Warmbrod
- Matthew Christopher Maher**, West Islip, NY; B.A. (State University of New York); M.A. (Saint John's University); *Sociology*
Dr. Kent P. Schwirian
- Andrew John Mair**, Lincoln, England; M.A. (Saint Andrews University); M.A.; *Geography*
Dr. Kevin R. Cox
- Chrisoula Grace Masselos**, Sydney, Australia; B.A. (Macquarie University); M.A.; *Education*
Dr. Elisa Klein, Dr. Judith Green
- Janice-Marie McDonald**, Jamestown, NY; B.A. (Wittenberg University); M.A.; *Romance Languages and Literatures*
Dr. Wayne Redenbarger
- Martin Donald McKay**, Cambridge, B.S. (Florida Southern College); M.A. (Eastern Kentucky University); *Education*
Dr. Raymond Swassing
- John Randolph McMurphy**, Bartlesville, OK; B.A. (Vennard College); M.A. (Azusa Pacific University); *Home Economics*
Dr. Penelope S. Griffing
- Timothy Patrick Meagher**, Hicksville, NY; B.A. (State University of New York); *Chemistry*
Dr. Harold Shechter
- Girija Muralidhar**, Nellore, India; B.Sc. (S.V. University); M.Sc. (M.S. University); *Physiological Chemistry*
Dr. Ronald W. Trewyn
- Mongaring Yakubu Musa**, Kaltungo, Nigeria; B.Ed. (University of Maiduguri); M.A.; *Education*
Dr. Robert B. Donmoyer
- Amornwich Nakornthap**, Bangkok, Thailand; B.Ed. (Chulalongkorn University); M.S. (Florida State University); M.A.; *Education*
Dr. James W. Altschuld
- Charles Kenneth Nicholas**, Flint, MI; B.S. (University of Michigan); M.S.; *Computer and Information Science*
Dr. Sandra A. Mamrak
- Beverly Anne Orr**, Columbus; B.A., M.A.; *History of Art*
Dr. Franklin M. Ludden
- Yong Joon Paek**, Seoul, South Korea; B.Sc., M.Sc. (Seoul National University); M.S.; *Civil Engineering*
Dr. Hojjat Adeli
- Jeannine C. Pondezzi**, Albany, NY; B.A. (The College of Saint Rose); M.A. (State University of New York); *Communication*
Dr. William R. Brown
- Pamela Lane Ramey**, Cambridge; B.S. (Kent State University); M.S. (Bowling Green State University); *Education*
Dr. Thomas R. White
- Raul Ramirez**, Columbus; B.S. (Universididad Distrital); M.S.; *Geodetic Science and Surveying*
Dr. Dean C. Merchant
- Mark Stephen Reeder**, Columbus; B.A. (Humboldt State University); M.S. (University of Oregon); *Mathematics*
Dr. Avner D. Ash
- Ibrahim Fathalla Rehab**, Alexandria, Egypt; B.S., M.S. (Alexandria University); *Agronomy*
Dr. Leo E. Bendixen
- Lu Ann Ricketts**, Boone, IA; B.A. (Bowling Green State University); M.S. (Ohio University); *Home Economics*
Dr. Lucy R. Sibley
- Maria Carmen Fayos Riddel**, Huntington, WV; A.B. (Marshall University); M.A. (Universidad de Salamanca); *Romance Languages and Literatures*
Dr. Stephen J. Summerhill
- Soenarto Saputro**, Yogyakarta, Indonesia; B.S., M.S. (FPTK-IKIP); M.S. (State University of New York); M.A.; *Education*
Dr. William D. Umstatt
- Yih-Chyun Sheu**, Taipei, Taiwan, R.O.C.; B.S. (National Central University); M.S.; *Engineering Mechanics*
Dr. Carl H. Popelar
- Chun Hsieh Shih**, Taipei, Taiwan, R.O.C.; B.S. (National Taiwan Normal University); M.S. (Central Connecticut State University); *Education*
Dr. E. Keith Blankenbaker
- Alphonso Simmons**, Columbus; B.A. (Fort Valley State College); M.A.; M.S.W.; *Education*
Dr. James V. Wigfil
- Luke Springman**, Columbus; B.A. (Indiana University); M.A.; *German*
Dr. Helen Fehervary
- Joseph Anthony Testa**, Parlin, NJ; B.S. (Michigan State University); M.S.; *Physics*
Dr. James R. Gaines
- Deborah Lynn Thompson**, Nashville, TN; B.S. (Tennessee State University); M.A.; *Education*
Dr. Johanna S. DeStefano

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Dr. John B. Hough

Anthony James Wagner, Columbus, IN; B.S. (Purdue University); *Physics*
Dr. Evan R. Sugarbaker

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Dr. Gilbert A. Jarvis

Yeong-show Yang, Tainan, Taiwan, R.O.C.; B.S. (National Taiwan University); M.S. (University of Alabama); *Chemical Engineering*
Dr. Ly J. Lee

Sui Hua Yuan, Chungking, Taiwan, R.O.C.; B.A. (Xian Jiaotong University); M.S.; *Physics*
Dr. Philip E. Wigen

Mark Arthur Zajac, Dolton, IL; B.S., M.S. (Purdue University); *Entomology*
Dr. Franklin R. Hall

Master of Architecture

Amy Acampora, Yonkers, NY; B.A. (Wesleyan University); *Architecture*

Sylvain Boulanger, Sutton, Canada; B.Arch. (McGill University); *Architecture*

Michael John Cislo, Livonia, MI; B.S.Arch., B.A.Arch. (Lawrence Institute of Technology); *Architecture*

Jose Gabriel Esquivel, Llantén, Mexico; B.Arch. (National University); *Architecture*

Mark Richard Hollern, Columbus; B.S. (Miami University); *Architecture*

Chun-Wei Huang, Kaohsiung, Taiwan, R.O.C.; B.S. (Chung-Yuan Christian University); *Architecture*

Eric Stephen Lagerberg, Columbus; B.A.Arch. (University of Washington); *Architecture*

Stephen Roka II, Columbus; B.F.A., B.S.Arch.; *Architecture*

Master of Arts

Siti Arbi Binti Abdul Muin, Kedah, Malaysia; B.A. (Ohio University); *Education*

James Frederick Adams, Fraser, MI; B.A. (Wayne State University); *Economics*

Rebecca Richards Ament, Worthington; B.A. (Guilford College); *Education*

Pamela Uchenna Anigbo, Enugu, Nigeria; B.A. (Schiller International University); *Romance Languages and Literatures*

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Lynne Sharon Barst, Dayton; B.S.Ed.; *Geography*

Steven Mitchell Bayne, Columbus; B.A. (Evangel College); *Philosophy*

Kellie Harrison Bean, Columbus; B.A.; *English*

Nancy Cline Beattie, Powell; B.S.Ed.; *Education*

Thomas Edwin Becker, Kirkwood, MO; B.A. (University of South Florida); *Psychology*

Karen Lynn Blozia, Columbus; Cert.Dent.Hyg., B.S.Ed.; *Health, Physical Education and Recreation*

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Scott William Boyer, Zanesville; B.S. (University of South Carolina); *Public Administration*

Jamie Colette Capuzza, Pittsburgh, PA; B.A. (Mount Union College); *Communication*

Robert Leroy Carstensen, Curtice; B.A., B.S.; *Economics*

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David A. Coia, Columbus; B.A. (Kent State University); *Journalism*

Diana Lee Cook, Columbus; B.S.Ed.; *Education*

Donna L. Crace, Lyndon; B.S. (University of Dayton); *Education*

Pearlene Fitz Delph, Columbus; B.S.Ed.; *Education*

Marcia Lynn Dewhurst, Columbus; B.A. (University of Dayton); *Communication*

Debra Jean Elliott, Edmonds, WA; B.S. (University of Washington); *Psychology*

Sarah Ely, Reynoldsburg; B.A. (Emory and Henry College); *Education*

Roger Steven Evans, Reynoldsburg; B.S. (Columbia Union College); M.Div. (Andrews Theological Seminary); *History*

Betty Jane Felch, Dublin; B.S. (Defiance College); *Education*

Todd Armstrong Fitch, Worthington; B.A. (Ohio Wesleyan University); *Health, Physical Education and Recreation*

Garold John Flach, Marion; B.M. (Capital University); *Music*

Eleanor Ann Freeland, Bridgeport, PA; B.A. (East Stroudsburg University); *Romance Languages and Literatures*

Sarah Tobitt Freeman, Worthington; B.F.A.; *Photography and Cinema*

Judith Lynne French-Berry, Sebring; B.A.; *History*

Mark William Gallant, Zanesville; B.Mus. (Muskingum College); *Music*

Holly Wilson Garrison, Marietta; B.A.; *English*

Lawrence William Gill, Columbus; B.S.Ed.; *Education*

Michael Francis Goethals, Mt. Clemens, MI; B.A. (University of Michigan); *History*

Venkatesh Ramabadrhan Gomatam, Madras, India; B.A. (Vivekananda College); *Communication*

Carol Jane Grant, Granville; B.F.A. (Ohio Wesleyan University); *History of Art*

Sharon Sharum Grumbia, Elida; B.S.Ed.; *Education*

Diane Nicole Haddad, Columbus; B.F.A., B.S.Ed. (Ohio University); *Art Education*

Kathleen Harkins, Southwest Harbor, MI; B.A. (Seattle Pacific University); *Slavic and East European Languages and Literatures*

David Earl Harrison, Valdosta, GA; B.A. (North Carolina A & T State University); *Political Science*

Linda Spillers Hegler, Columbus; B.S.Ed.; *Education*

Jennifer Mary Heid, Columbus; B.A.; *Philosophy*

Lorraine Ann Hilton, Pickerington; B.S. (Bowling Green State University); *Education*

William Lloyd Huston, Toledo; B.A. (University of Toledo); *Education*

Mary Margaret Hutchison, Lima; B.F.A. (Wittenberg University); *Art Education*

Jeong Kyu Jang, Chungju City, South Korea; B.A. (Chungbuk National University); *East Asian Languages and Literatures*

- Nikki Lynette Kaltenbach**, Chillicothe; B.A. (Miami University); *Romance Languages and Literatures*
- George Michael King**, Columbus; B.S.Ed.; *Education*
- Sandra Gardine King**, Columbus; B.S.Ed.; *Education*
- Randy Jay Kinsey**, Archbold; B.A. (Bluffton College); *Health, Physical Education and Recreation*
- Maryfrances Furr Kirsh**, Gahanna; B.S.Mus. (West Chester University); *Music*
- Robert Milton Klein**, Oak Park, IL; B.A.; *History*
- Karen Elizabeth Kovacs**, Pacific Palisades, CA; B.A. (University of California at Los Angeles); *Psychology*
- Jang-Hwan Lee**, Seoul, South Korea; B.A. (Hankuk University of Foreign Studies); *Sociology*
- Mei-Hwa Li**, Taiwan, R.O.C.; B.A. (National Taiwan University); *Education*
- Shujen Lin**, Taipei, Taiwan, R.O.C.; B.A. (National Chengchi University); *Political Science*
- Eric Stewart Ling**, Wolverhampton, England; B.Soc.Sc. (University of Birmingham); Cert.Ed. (Wolverhampton Polytechnic); *Sociology*
- Yunhua Liu**, Neut, P.R.C.; B.S., M.S. (Northeast University of Tech.); *Economics*
- Debra Susan Lowry**, Columbus; B.A.; *Romance Languages and Literatures*
- John Patrick Madden**, Columbus; B.A. (Case Western Reserve University); M.A. (University of Washington); M.A.; *Speech and Hearing Science*
- John Thomas Mahin**, Youngstown; B.M.E. (Youngstown State University); *Music*
- Joyce Linda Malainy**, Shelby; B.S.Rest.Mgt.; *Education*
- Mardiati @ Mardiati Mansuridin**, Kajang, Malaysia; B.A. (Wilmington College); *Education*
- Laurence Christiane Marion**, Granville, France; Licence English (Caen University); *Romance Languages and Literatures*
- Donna Lynn Martin**, Westerville; B.A., B.S.Nurs.; *Health, Physical Education and Recreation*
- Richard Melvin Maxey**, Columbus; B.A., B.S.; *Public Administration*
- Noreen Kay McKeown**, Youngstown; B.S. (Youngstown State University); *Education*
- Abdul Haji Bin Md.Dangi**, Durian Tunggal, Malaysia; B.A. (University of Malaya); *Education*
- Urban F. Meyer**, Ashtabula; B.A. (University of Cincinnati); *Health, Physical Education and Recreation*
- Michael Conaway Mooney**, New Lexington; B.A.; *Communication*
- Patrice Ellen Moore**, Delaware; B.S.Occ.Ther., M.S.W.; *Public Administration*
- Atsuhiko Murata**, Tokyo, Japan; B.A. (Bowling Green State University); *Political Science*
- Paul Edward Nevin**, Winnetka, IL; B.A. (University of Miami); *Psychology*
- Edward Robert Niedzwiedz**, Columbus; B.A. (Northern Illinois University); M.A.; *Business Administration*
- Michael Edgar O'Neill**, Lima; B.S.Ed.; *Mathematics*
- Elvina Louise Palma**, Columbus; B.A. (Seton Hill College); *Education*
- Geoffrey Hampton Polglase**, Long Valley, NJ; B.S. (James Madison University); *Health, Physical Education and Recreation*
- Nurur Rahman**, Ghatla, Bangladesh; B.Com.Hons., M.Com. (Dhaka University); M.B.A. (Indiana University); *Business Administration*
- Jacqueline Thomas Ralston**, Springboro; B.A. (Miami University); *Psychology*
- Kimberly Lynn Roberts**, Columbus; B.A. (Graceland College); *Health, Physical Education and Recreation*
- Toby David Rosenthal**, Columbus; B.A. (Miami University); *History*
- Serdar Sayan**, Ankara, Turkey; B.S. (Middle East Technical University); *Economics*
- Vivian Ann Schaefer**, West Milton; B.A.; *Photography and Cinema*
- Lynn Ann Schrader**, Hollywood, FL; B.A. (Auburn University); *Journalism*
- Susan Diane Schultz**, Westerville; B.S. (Kent State University); *Speech and Hearing Science*
- Elizabeth Lorine Schuster**, Mt. Vernon; B.A. (Eastern Nazarene College); *Journalism*
- Richard Lynn Schwartz**, Mt. Vernon; B.A. (Mount Vernon Nazarene College); *Education*
- Bonnie George Scranton**, Columbus; B.F.A.; *Education*
- Richard Andrew SESCO**, Columbus; B.S.Ch.E.; *Philosophy*
- Rina Shere**, Columbus; B.A. (Bowling Green State University); *Art Education*
- Ming Song**, Wuhan, P.R.C.; M.Sc. (Huazhong Institute of Technology); *Economics*
- Christina A. Staccia**, Springfield; B.S.Ed.; *Education*
- Barry Laurence Sterling**, Beverly Hills, CA; B.A. (California State University); *Education*
- Joseph Allen Talbert**, Houston, TX; B.A.; *History*
- Walter Gordon Teague**, Arcadia, CA; B.A. (University of Wisconsin); *East Asian Languages and Literatures*
- Karen Lee Teeple**, Columbus; B.S. (Taylor University); *Education*
- Wei Tei Tsai**, Tainan, Taiwan, R.O.C.; B.A. (National Taiwan University); *Business Administration*
- Maxine R. Tyer**, Columbus; B.S.Ed. (University of Georgia); *Education*
- Donald Nathaniel Valentine**, Upper Arlington; B.Mus.Ed.; *Music*
- Shirley H. Vidmar**, Worthington; B.S.Ed.; *Education*
- Loyann Lisa Waber**, Delaware; B.A. (Ohio Wesleyan University); *Education*
- Carol Naomi Walker**, St. Louis, MO; B.A. (College of Wooster); *Education*
- Brad Robert Warnimont**, Napoleon; B.A. (Ohio Wesleyan University); *Health, Physical Education and Recreation*
- Jayne Marie Wenner**, Dublin; B.Mus.Ed.; *Music*
- *Nancy Lynn Williams**, Harlan, KY; B.A.; *Philosophy*
- David Alan Wilson**, Westerville; Criminal Justice Adm. (Ohio Dominican College); *Public Administration*
- Donald Disque Wood**, Columbus; B.A. (Allegheny College); *Political Science*
- Cynthia Rayl Woodruff**, Dublin; B.S.Ed.; *Education*
- Feng-Hua Wu**, Taipei, Taiwan, R.O.C.; B.A. (Taiwan University); *Economics*
- Yanhua Yang**, Arcadia, CA; B.A. (Peking University); *East Asian Languages and Literatures*
- Geoffrey Harris Young**, Somerset, NJ; B.A. (Hampton Institute); *Psychology*
- Laurel Koppelman Zulliger**, Columbus; B.S., M.S. (State University of New York); *Speech and Hearing Science*

Master of City and Regional Planning

Jennifer Burneson Chen, Dayton; B.Phil. (Miami University); *City and Regional Planning*

*Awarded Posthumously

Hasanuddin Abdul Ghaffor, Sibul, Malaysia; B.A. (University of Southwestern Louisiana); *City and Regional Planning*

Rozmi Bin Osman, Penaga, Malaysia; B.A. (University of Wisconsin); *City and Regional Planning*

Master of Fine Arts

Juliellen Byrne, Columbus; B.F.A.; *Art*

Gerald Curtis Fulton, Brookfield, WI; B.A., B.S., M.S. (University of Wisconsin); *Art*

Eilidh Margaret Keith, Minard, Scotland; B.A. (Hons) (Glasgow School of Art); Post Diploma (Edinburgh College of Art); *Art*

Master of Health Administration

Julian Lee Bell, Columbus; B.B.A. (Marshall University); *Hospital and Health Services Administration*

Anne Margaret Kozelek, Bexley, B.A., J.D.; *Hospital and Health Services Administration*

Theresa Palmieri Woodward, Columbus; B.S.Bus.Adm.; *Hospital and Health Services Administration*

Joyce Mary Yarid, Columbus; B.S. (American University of Beirut); B.S., M.B.A. (Kent State University); *Hospital and Health Services Administration*

Master of Labor and Human Resources

Natalie Anne Alexich, Westerville; B.S. (Kent State University); *Labor and Human Resources*

Darryl Lee Anderson, Killbuck; B.A., M.P.A.; *Labor and Human Resources*

James H. Daly, Poland; B.S.B.A. (Youngstown State University); M.B.A. (Akron University); *Labor and Human Resources*

Anthony Jay Frisby, Strongsville; B.S.Al.Hth.Prof.; *Labor and Human Resources*

Chandra S. Majumdar, India; B.A., M.A. (University of Delhi); *Labor and Human Resources*

Master of Liberal Studies

Omar M. Alomari, Amman, Jordan; B.A.; *Liberal Studies*

Master of Music

Janida Dhuvabhark, Bangkok, Thailand; B.A. (Chulalongkorn University); *Music*

Deborah Joyce Logan, Mansfield; B.M. (Centenary College of Louisiana); *Music*

Master of Science

Fatima A.Bakir Abdulkarim, Columbus; B.A. (Qatar University); *Home Economics*

Akinlolu Adebayo Adefarati, Oka-Akoko, Nigeria; B.Sc. (University of Ibadan); M.S. (Oklahoma State University); *OSU Biochemistry Program*

Thomas Hoovler Aishton, Westerville; B.A.A.E., M.S.; *Industrial and Systems Engineering*

Cathy Ann Alexander, Mt. Vernon; B.S.Agr.E.; *Agricultural Engineering*

M.Hisham T. Alsado, Rakka, Syrian Arab Republic; B.S.C.E.; *Civil Engineering*

Francisco Javier Artigas, Concepcion, Chile; Licenciado en Biologia (Universidad de Concepcion); *Environmental Biology*

Andrew Gerard Baechle, Cincinnati; *Natural Resources*

Anthony Lee Barbour, Akron; B.S.C.I.S.; *Computer and Information Science*

Ronald Alan Beer, Mansfield; B.S.M.E.; *Mechanical Engineering*

Marisa Anna Bittoni, Columbus; B.S.; *Preventive Medicine*

Gerald Wesley Blankenship, Piqua; B.S.M.E.; *Mechanical Engineering*

Kim Marie Brand, Scotia, NY; B.S.Agr.; *Horticulture*

Phanpimol Bunnag, Bangkok, Thailand; B.S. (Mahidol University); *Biochemistry*

Yaun-Hau Chang, Hsinying, Taiwan, R.O.C.; B.S. (National Taiwan College of Marine Science & Technology); *Civil Engineering*

Nancy Lee Collier, Mansfield; B.S.Nurs.; *Nursing*

Rolando Contreras, Jr., Talara, Peru; B.S. (Universidad Javeriana); *Industrial and Systems Engineering*

Daniel Lee Cottle, Portsmouth; B.S. (University of Kentucky); *Animal Science*

Erik M. Creagh, Charleston, WV; B.S., M.S. (University of Cincinnati); *Environmental Biology*

Shojaeddin Daneshmand, Bandarabbas, Iran; B.S. (Western Michigan University); *Industrial and Systems Engineering*

Sharon Deevey, Columbus; B.A. (Swarthmore College); B.S.N. (Case Western Reserve University); *Nursing*

Kurt Stephen Dickmann, Columbus; B.S. (Youngstown State University); *Mathematics*

Jill Ann Dixon, Galion; B.S.Nurs.; *Nursing*

Bruce W. Dye, Westerville; B.S. (Oklahoma Christian College); *Agronomy*

Dale Joseph Eicher, Cleveland; B.S.Nat.Res.; *Natural Resources*

Michael Anthony Eliniski, Jackson, MI; B.S. (Michigan State University); *Bio-Medical Engineering*

Ahmed Abd El-Wahab Enab, Manawahla, Egypt; B.S., M.S. (Menoufia University); *Poultry Science*

Philip Richard Frausto, Columbus; B.S. (University of Illinois); *Metallurgical Engineering*

William Bryant Gaeman, Worthington; B.A. (Colorado College); *Mathematics*

Paula Elizabeth Ganz, Pittsburgh, PA; B.S. (University of Virginia); J.D. (Case Western Reserve University); *Bio-Medical Engineering*

Yu Gao, TaiYuan, P.R.C.; B.A. (Shanxi Agricultural University); *Horticulture*

Amir Ghamat-Rezaei, Urumia, Iran; B.S.M.E.; *Engineering Mechanics*

Chandrasekhar Gollamudi, Hyderabad, India; B.Tech. (Indian Institute of Technology); M.S.; *Computer and Information Science*

José Alfredo Guerrero, Santo Domingo, Dominican Republic; M.S. (Universidad Nacional Pedro Henriquez Ureña); *Agricultural Economics and Rural Sociology*

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Loyde Wesley Hales II, Aloha, OR; B.A. (Portland State University); *Computer and Information Science*

Lois Lynn Hallock, Souderton, PA; B.S.M.E.; *Mechanical Engineering*

Sharon Kay Hartley, Washington Court House; B.S.H.E.; *Home Economics*

Dennis Duane Harwig, Jr., Massillon; B.S.W.E.; *Welding Engineering*

Paul Edward Hollandsworth, Roanoke, VA; B.S. (Virginia Polytechnic Institute); *Mechanical Engineering*

Cheryl Ann Huang, Worthington; B.S. (Wayne State University); *Nursing*

Laura Yauch Huff, Hilliard; B.S.; *Veterinary Pathobiology*

Aaron An-Jag Hwang, Reynoldsburg; B.S.E.E. (Michigan State University); *Electrical Engineering*

Jack Howard Jacobs, Toledo; B.S.A.A.E.; *Aeronautical and Astronautical Engineering*

Nebojša Ilija Jakšić, Titova Mitrova, Yugoslavia; B.S. (The Belgrade University); *Electrical Engineering*

Shingwuh Jha, Taiwan, R.O.C.; B.S. (National Cheng-Chi University); M.S. (National Tsing-Hua University); M.S.; *Computer and Information Science*

Kevin Ralph Johnston, Cleveland; B.S., B.S. (Case Western Reserve University); *Computer and Information Science*

Jeffrey Scott Jones, Waynesville; B.S. (Ohio University); *Computer and Information Science*

Carolyn May Kaple, Shelby; B.S.N. (Saint John College of Cleveland); *Nursing*

Ibrahim Hammad Khuwaiteer, Riyadh, Saudi Arabia; B.S. (King Saud University); *Civil Engineering*

Yeon Gook Kim, Seoul, South Korea; D.V.M. (Seoul National University); *Veterinary Preventive Medicine*

Kimberly Alison Korb, Columbus; B.S. (Duke University); *Food Science and Nutrition*

David Lee Lanning, Grand Rapids, MI; B.S. (Grand Valley State College); *Computer and Information Science*

Daniel Larsen, Chicago, IL; B.S. (Arizona State University); *Geology and Mineralogy*

Pamela Jacks Leach, Cincinnati; B.S.N. (Capital University); *Nursing*

Anthony Pascal Leclerc, Lawton, OK; B.S. (Cameron University); *Computer and Information Science*

Jeng-Liang Lin, Taipei, Taiwan, R.O.C.; B.S. (National Taiwan University); *Agricultural Engineering*

Mary Noreen Loggi, Cincinnati; B.S.N. (Ohio University); *Nursing*

Richard Olen Lund, Paonia, CO; B.S. (Colorado School of Mines); *Welding Engineering*

Uma Prasad Mahanta, Chandorinagore, India; B.S. (Calcutta University); *Physics*

Stephen Malys, Herndon, VA; B.S. (The Pennsylvania State University); *Geodetic Science and Surveying*

Janet Elaine Marshall, Circleville; B.S.N. (Ohio University); *Nursing*

Irene L. Miller, Columbus; B.A. (Capital University); M.T. (Community Hospital of Springfield & Clark Co.); *Pathology*

Dale William Moberg, Dublin; B.A. (Carleton College); M.A., Ph.D. (Northwestern University); *Computer and Information Science*

Sivasithampa Mohanachandran, Sri Lanka; B.Sc. (University of Ceylon); M.S. (Ohio University); *Computer and Information Science*

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James Allen Myers, Dublin; B.S. (Michigan Technological University); *Computer and Information Science*

Mona Jeanne Myers, Newark; B.S.N. (Ohio University); *Nursing*

Theodore Ralph Myers, Pickerington; B.S.Ed., B.S.Mng.Engr.; *Mining Engineering*

Chandrasekhara Venkata Nadimpalli, Hyderabad, India; B.Tech. (Indian Institute of Technology of Bombay); *Metallurgical Engineering*

Lakshmi V.R. Narayani, Vadugapalayam, India; B.Sc. (University of Madras); *Mathematics*

Jyotsna Nath, Aligarh, India; M.B.B.S. (Aligarh Muslim University); *Microbiology*

Su-Ann Newport, Springfield; A.D.N. (Clark Technical College); B.S.N. (Wright State University); *Nursing*

Patricia Ngwira, Lilongwe, Malawi; BSC.Agric. (University of Malawi); *Plant Pathology*

Jane L. Nieter, Columbus; B.S. (Franklin University); *Nursing*

Mehboobali Sikanderli Nurmohamed, Mombasa, Kenya; B.Sc. (Michigan State University); *Mechanical Engineering*

Sally C. Oberbeck, Fairborn; B.S. (Tufts University); *Allied Medical Professions*

William Chambers Orr, Monahans, TX; B.A., B.A. (North Texas State University); M.A. (New York University); *Agricultural Economics and Rural Sociology*

Philip John Oths, Westport, CT; B.A.; *OSU Biochemistry Program*

Polly Sue Owen, Pickerington; B.S.Nurs.; *Nursing*

James Allen Parker, Columbus; B.A. (Letourneau College); *Computer and Information Science*

Sanjay Harshadrai Patel, Nairobi, Kenya; B.A. (College of Wooster); *Computer and Information Science*

Nikolaos Konstantinos Pavlis, Athens, Greece; Dip.Ru.& Surv.Eng. (National Polytechnical University of Athens); *Geodetic Science and Surveying*

Kathryn Ellen Pejar, Berwyn, IL; B.S. (Colorado State University); *Microbiology*

Ellen Elizabeth Pinnow, Columbus, IN; B.A. (Indiana University); *Preventive Medicine*

Janene Lee Poling, Lancaster; B.S.C.I.S.; *Computer and Information Science*

Karen Ann Powell, Kent; B.S.Agr.; *Poultry Science*

Susan MacLaughlin Rasche, Cincinnati; B.S.Nat.Res.; *Natural Resources*

Anil Kumar Rastogi, India; B.S.E.E.; *Electrical Engineering*

Julia Kathleen Riber, Alfred, NY; B.S.; *Environmental Biology*

Joel Alan Riegelmayr, Fairview Park; B.S.Agr.; *Animal Science*

Steven Douglas Roach, Indianapolis, IN; B.S. (University of Colorado); *Electrical Engineering*

Chathleen Renée Roesch, Westerville; B.S.Food.Sc.; *Food Science and Nutrition*

Mary E. Rogers-Duffy, Whitehall; B.S.N. (Capital University); *Nursing*

Linda Gail Romine, Cincinnati; B.S.; *Natural Resources*

Jeffrey Clyde Sacks, Union of South Africa; B.D.S. (University Witwatersrand Johannesburg); Certificate O.M.F.S. (Tufts University); *Dentistry*

Amer M. Khaled Samman, Tripoli, Lebanon; B.S.E.E.; *Electrical Engineering*

Biplab Sarkar, Calcutta, India; B.Tech. (Indian Institute of Technology); *Mechanical Engineering*

Tin Saung, Rangoon, Burma; B.Ag. (Institute of Agriculture); *Agricultural Education*

Richard William Schoenmarklin, Columbus; B.F.A. (University of Kansas); *Industrial and Systems Engineering*

Hui-Wen Shen, Taipei, Taiwan, R.O.C.; B.S. (National Cheng-Kung University); *Metallurgical Engineering*

Ming-Jye Sheu, Taipei, Taiwan, R.O.C.; B.S. (National Taiwan University); *Computer and Information Science*

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Lisa M. Skalecki, Parma; B.S. (University of Cincinnati); *Aeronautical and Astronautical Engineering*

David Sherman Spink, Salem, OR; B.S. (Oregon State University); *Plant Pathology*

Susan Marie Spires, Lancaster, B.S.C.E.; *Civil Engineering*

David Allen Sussman, West Caldwell, NJ; B.S. (State University of New York); *Molecular Genetics*

Kimberly S. Tassier, Cedarville, MI; B.S. (Michigan Technological University); *Natural Resources*

Christopher William Theodorakis, Granite City, IL; B.S. (University of Illinois); *Zoology*

Robert Lorne Tudhope, Parry Sound, Canada; B.Tech. (Ryerson Polytechnical Institute); *Geodetic Science and Surveying*

Panik Mudiyanseelage Palitha Udayakantha, Galagedara, Sri Lanka; B.S. (Ruhuna University Matara); Higher Diploma, Surv (Institute of Surveying and Mapping); *Geodetic Science and Surveying*

Norhashim Ujang, Kota, Malaysia; B.Sc.Agric. (Agricultural University, Malaysia); *Agricultural Economics and Rural Sociology*

Kannan Varadhan, Madras, India; B.Tech. (Indian Institute of Technology); *Computer and Information Science*

Sreekanth Venkatesan, Madras, India; B.A.Tech. (Indian Institute of Technology); *Metallurgical Engineering*

Brian Todd Vogt, Wickliffe; B.S.Agr.; *Agricultural Education*

Shu-Shang Sam Wei, Taipei, Taiwan, R.O.C.; B.S. (National Chiao-Tung University); *Computer and Information Science*

Donna Carlross Williams, Jackson, TN; B.S. (Union University); *Home Economics*

Wai-Shiu Wong, Bayside, NY; B.S.Pharm. (Saint John's University); *Pharmacy*

Timothy Charles Wright, Marion, B.S.; *Computer and Information Science*

Chang-Fa Yang, Taipei, Taiwan, R.O.C.; B.S.E.E. (National Taiwan University); *Electrical Engineering*

Zhi Cong Yao, Beijing, P.R.C.; B.S. (The Beijing University of Iron and Steel Technology); *Metallurgical Engineering*

Deborah Marie Young, Newark; B.S.Nurs.; *Nursing*

Craig Elliott Yussen, Philadelphia, PA; B.S. (Drexel University); *Chemical Engineering*

Miles Miller Zimmerly, Orrville; B.S.; *Agronomy*

Kitty J. Roush, Powell; B.S.Soc.Wel.; *Social Work*

Karen Sue Schwartz, Mt. Vernon; B.A. (Mount Vernon Nazarene College); M.A.; *Social Work*

Precia Jo Shenk, Lima; A.A., B.S.Soc.Wel.; *Social Work*

Debra Ann Traunero, Tiffin; B.S.Soc.Wel.; *Social Work*

Master of Social Work

Patrick Regan Fisher, Upper Arlington; B.S.; *Social Work*

Beverly Jean Mellum, Powell; B.S. (Bowling Green State University); *Social Work*

Colleges of the Arts and Sciences

Coordinating Dean, Colleges of the Arts and Sciences:
Joan Huber

Acting Dean for Undergraduate Studies:
Donald W. Good

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College of the Arts
College of Biological Sciences
College of Humanities
College of Mathematical and Physical Sciences
College of Social and Behavioral Sciences

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Jonathan Cupp, Findlay
Mitchell Eugene Look, Euclid
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Mona Gazala, North Olmsted
Lori Groendyke-Knutti, Columbus
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Dean: William A. Jensen

Bachelor of Science

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Kathleen Marie Bowers, Mentor
Luke Karle Clemente, Rossford
James Joseph Davidson, Westerville
James Lonel Ferguson, Akron
Steven Michael Fondriest, Westerville
Brian Lynn George, Pandora
William Wolf Herman, Beachwood
Yoon J. Kim, Hong-Sung, Korea
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Michael David Young, Kilmarnock, Scotland

College of Humanities

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Judy Eileen Barker, Trotwood
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Joseph Anthony Chatfield, Dayton
Cristin Anne Clifford, Upper Arlington

Michael John Cortina, Dayton
Kimberly Ann Davies, Columbus
James D. Detrick, Bellefontaine
Dean Wallace Ervin, Columbus
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Laura J. Garlesky, Lakewood
Joanne Alice Gerlach, Columbus
Victor Verne Hambly, Dublin
Kurt Hebner, Worthington
Beverly Jean Henderson, Columbus
Robert Charles Jakubowski, Cincinnati
Mark Alan Kahl, Shelby
Kristine Keller, Litchfield
Susan Elaine Kerchner, Bedford
Scott Allen Kirby, Urbana
Barbara Jean Lantry-Miller, Columbus
Terrence Lamar Layne, Columbia Township
William Kent Leiby, Parma
Tamara Sue Lewis, West Palm Beach, FL
Amy Faye Lint, Dennison
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Sarah Heather Miller, Novelty
David Edward O'Brien, Clarence, NY
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Olden Mckinley Ray, Jr., Fort Wayne, IN
Richard Russell Reynolds, Farmington Hills, MI
Amy Jill Saylor, Columbus
Karen Lee Schmolz, Kettering
Timothy Jude Sheridan, Bloomfield Hills, MI
Phoebe Rebecca Sloane, Washington, DC
Mary Lou Spencer, Columbus
Rick Swauger, Hilliard
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Marianne Paula Urse, Columbus
Bethanne Webb, Columbus
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College of Mathematical and Physical Sciences

Dean: C. William Kern

Bachelor of Arts

Alex Gordon Blum, Ashtabula
Mary Elizabeth Chellis, Bexley
Joseph L. Stark, Cincinnati

Bachelor of Science

William John Balcerzak, Columbus
Mark John Bistersky, Columbus
Melanie Lynn Biteman, Columbus
Robert Joseph Bolds, Mt. Vernon
James William Bugenstein, Lima
Loraine Carrasco, Bombay, India
James Ciricola, Garfield Heights
Norman Wayne Clark, Columbus
Scott Norman Cleverly, Willoughby Hills
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Mark Alan Emslie, Plain Field
James Sheppard Gregg, Columbus
Carson James Hampton, Urbana
Kimberley Ann Hooker, Cincinnati
James Daniel Kennedy, Bellaire
Terrence Lamar Layne, Columbia
Township
Kevin Lawrence Marsh, Mason
Susan Elizabeth Niezgoda, North Olmsted
Rometta Lu Pellegrini, Massillon
Jeffrey Earl Reinkensmeyer, Centerville
Margaret M. Schmotzer, Mantua
Donna Marie Small, Huber Heights
Stephen Geoffrey Thomas, Levittown, PA
David Joseph White, Pittsburgh, PA

College of Social and Behavioral Sciences

Dean: Joan Huber

Bachelor of Arts

Scott Michael Ackman, Cincinnati
Gay Ullman Atha, Granville
Emily Kathleen Ault, Urbana
Steve Spencer Baker, Worthington
John Miller Barney, Hillsboro
Tibi Besu, Warren, MI
Jeanne Ruth Binzer, Cincinnati
Laura Therese Boehm, Rocky River
Melissa Ann Boyce, Centerville
Matthew Lee Brown, Dublin
Sheryl Brown, Cleveland
Andrea Lee Burns, Ashland
Cynthia Jeanne Butler, Chardon
Ronald Frank Centrello, Jr., Boardman
Nasir Chaudhri, Lahore, Pakistan
Jeffrey Lee Cisco, Oak Hill
Susan Karrington Comtes, Columbus
Mary Evelyn Coolman, Wadsworth
Greg Steven Coulson, McConnelsville
John F. Cribbs, Columbus
Eric Todd Dau, Millington, NJ
Diane Renee David, Newark
Kimberly Ann Davies, Columbus
Leslie Ann DiMario, Lakewood
Jeannie Louise Dixon, Columbus
Jeffrey William Drake, Portsmouth
Nicola Anita Duhaney, Reynoldsburg
Anthonia Akwaugo Duru, Umuonuno,
Mbano, Nigeria
Melissa Anne Dustman, Troy
Kathleen Ann Falvey, Toledo
Edward Arthur Frantz, Upper Sandusky
Gary Mattis Freedman, Williamsville, NY
Greg Christopher Goldie, Chardon
Patricia Ann Gordon, Columbus
Stanley Peter Gorman, Springfield, MA
April Dawn Graham, Northup
Teresa Ann Gray, Columbus
William Bryan Gribble, North Olmsted
Sandra Kay Gross, Groveport
Alan Joseph Gursal, Fairview Park
Thomas Hall Gynn, Dublin

Susan Marie Hanf, Columbus
Anthony Harry Heintl, Wapakoneta
Gregory Burke Hermes, Maumee
Robin Diane Huff, Dayton
Darren Timothy Huggins, Cleveland
Karen Lynn Ipe, Centerville
Raymond Lee Jackson, Akron
Kendall Boyd Jarrell, Cleveland
Alisa Tarette Johnson, Cincinnati
Eric Paul Jones, Worthington
Theresa Lee Jones, Columbus
Kelly Rae Jordan, Williamsburg
George Kagafas, Grandview Heights
Rachel Alexis Kates, San Antonio, TX
Thomas James Kaul, Columbus
Beth Anne Kelley, Findlay
David Lee Kinner, Baltimore
Kathleen Michele Kritzer, Dayton
Nancy Kay LaFever, Columbus
Chad Laurence Lape, Delaware
Robert John Lesiacsek, Painesville
Steven Frederick Liebes, Sylvania
Kelly Sue Linstedt, Waldo
Susan Marie Little, Toledo
Lauren Joy Litton, Pepper Pike
Mark Edward Malvaso, Port Byron, NY
Daniel Lee Martin, London
John Anthony Martin II, Antwerp
Patricia Carolyn Martin, Columbus
Timothy Clayton Maurice, Westerville
Amy Mayfield, Fayetteville, AR
Nanci Marie Melfi, Columbus
Peter Anthony Mennetti, Mansfield
Wendy Jo Meshula, Canfield
Jamie Louise Milem, Sunbury
Philip Daniel Morrison, Wauseon
Michele Lynn Mueller, Skaneateles, NY
Valerie Ann Murchake, Columbus
Anuradha H.K. Murthy,
Montgomery, WV
Laurie Ann Nihiser, Mayfield Heights
Amy Elizabeth Nill, Pickerington
Thomas Edward Nolan, Dublin
Dolores Ann O'Brien, Columbus
James Edward Olmstead, Mount Vernon
Jennifer Ann Ott, Tipp City
Sara Ellen Panzarella, Fairport Harbor
Tim Allan Pickens, Marion
Annette Marie Pryor, Huber Heights
Julia Marie Pudlicki, Toledo
Tracey Susan Quilligan, Upper Arlington
Rick Allen Randall, Mansfield
Scott Allen Rich, Whitehall
Stephen Charles Roberts, Dayton
Faith Ware Rothwell, Dayton
Julie McLoughlin Rutledge, Columbus
Michael Edward Sachs, Columbus
James Henry Saicius, Painesville
Lisa Maria Sample, Springfield
David Alan Sams, Columbus
Steven Otto Santos, Worthington
Katerina Gjorgjievska Sarafov, Columbus
Robert Joseph Scavina, Boardman
Deborah Beth Seely, Terrace Park
Stanley Joseph Sewall III, Cincinnati
Don Fitzgerald Sheldon, Dublin
Laura Jean Shepard, Reynoldsburg
Jeffrey Bernard Shivers, Middleport
Anne Evangeline Slater, Cincinnati

Lisa Gaye Slemmons, Marion
Ted John Smith, Cincinnati
Douglas Matthew Standriff, Cincinnati
Barbara Jo Steck, Brookville
Laurence Robert Stott, Columbus
Trisha Marie Stull, Columbus
Christine Marie Thill, Bay Village
Kelli Sue Thomas, Centerville
Michael Arthur Trap, Columbus
Beth Ann Trapasso, Columbus
Vincent Parnell Traylor, Massillon
Patrick John Tulley, Kirtland
Allen Scott Turpin, Hillsboro
Robert Roger Vela, Westlake
Judith Lyn Voight, Worthington
James Earl Webb, Sturgis, MI
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Erich Helmut Weiss, New Bremen
David Alan Wilkins, Cleveland
Robert Eugene Wilkins, Chicago, IL
Judith Ann Willey, Newark
Joseph Robert Williams, Marion
Lori Dianne Williams, Circleville
Steven Bruce Williams, Newark
Mary Theresa Wise, Columbus
John Roger Wright, Columbus
Michael David Young, Kilmarnock,
Scotland
April Joan Zaas, Columbus

Bachelor of Science

James Michael Boehm, Brook Park
Laura Ann Brannon, Centerville
Patricia Ann Ednie, St. Clairsville
Jill Marie Goheen, Huntington, WV
Kenneth Alan Meeks, Kettering
Stephen Vincent Ramsey, Dover
Rick Owen Silverman, Cincinnati
Julie Ann Thomas, Dayton
Linda Leigh Thompson, Yorkville
Christopher John Timan, Mansfield
Richard Allen Wrona, Euclid

School of Journalism

Bachelor of Arts in Journalism

Mary Patricia Adler, Fairview Park
Anna Marie Al-Khoury, Columbus
Erik Whitney Allaben, Cincinnati
Jeffrey Jay Allison, Findlay
Kimberly Louise Auger, East Liverpool
Christine Lucille Aulen, Orrville
Susan Bernadette Bass, Columbus
Kelli Denise Blackwell, Columbus
Mary Elizabeth Bohner, Medina
Laurie Anne Boland, North Canton
Kimberly Ann Brown, Greenville
Gail Ann Bushman, Cincinnati
Kathleen Therese Carey, Columbus
Doral Chenoweth III, Columbus
Marilyn Heather Conway, Columbus
Colleen Mary Curley, Kettering
Kathleen Davis, Cincinnati
Denise Marie Dufala, North Olmsted

Kimberly Ann Durk, Bay Village
 Lori Ann Ebihara, Oberlin
 Valerie Marie Faler, Brunswick
 Michele Marie Flynn, Independence
 Denise Marie Hildebrandt, North Olmsted
 Glen Byrl Keller III, Westlake
 John Robert Kelly, Troy
 Karen Lynne Langenbahn, Centerville
 Dianna J. Lathrop, Delaware
 Melinda Jo Lind, Westerville
 Laura Annette Manning, Hiram
 David Ray Martin, Columbus
 James Joseph McCann, Columbus
 Mark Joseph Meecker, Hudson
 Jodi Lynn Miller-Wagner, Columbus
 Kathryn Ann Monda, Ashtabula
 Elizabeth Jean Moran, Upper Arlington
 Alan Edwin Peterson, Columbus
 Michael David Pickard, Centerville
 Bradley Darrell Poston, Columbus
 Todd Marcel Romain, Munroe Falls
 Caroline Jane Satterfield, West Union
 Rhonda Lea Sigman, Pickerington
 Christine Louise Stack, Toledo
 Michele Annette Tesone, Youngstown
 Matthew Edward Thompson, Groveport
 Karla Elaine Thornhill, Columbus
 Paulette Mitchell Tiggs, Beachwood
 Hugh Thomas Tobin, Shaker Heights
 Kenneth Joseph Torisky, Tallmadge
 Tracy Denise Townsend, Cincinnati
 Ronald Curtis Toy, Columbus
 Lynette Claire Tussing, Baltimore
 Steven Douglas Young, Lexington

Mark Anthony Miklas, Grove City
 Benjamin Beechy Miller, Millersburg
 Kevin Ray Miller, Celina
 Vonda Kay Mohrfield, Pleasant Plain
 Gregory Joseph Molyet, Tiffin
 Elizabeth Ann Murphy, Sunbury
 John Kevin Murray, Columbus
 Jon Arthur Mykrantz, Wooster
 John Page Newman, Seaman
 Mark Richard Nichol, Lisbon
 Brian Bookwalter Petzel, Kingston
 David Charles Rider, Columbus
 Sharmila Madhusudan Ruparel, Columbus
 Cathleen Marie Sammler, Lancaster
 Nancy Ann Schutte, Fairfield
 Charles Brian Seimer, Kingston
 Robin Joyce Sekerak, Columbus
 Dirk Emanuel Shearer, Delaware
 John R. Shives, Greenville
 Lynda Lee Shultz, Canton
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 Todd Kenneth Stickley, Urbana
 John Clinton Stier, Columbus
 Patricia Kay Strickland, Lucasville
 Alison D. Thomas, Columbus
 Ronald Thomas Trivisonno, Galena
 Douglas Eugene Tropp, Springfield
 Jennifer Lynn Walters, Worthington
 Thad Alan Welch, Ada
 Christina Marie Wieging, Cridersville
 Jerry L. Wilson, Marion
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 David Ross Wolf, Kenton
 Brent Dale Ziegler, Wellington
 Miles Miller Zimmerly, Orrville
 Frederick Joseph Zimmerman, Jr., Fairport, NY

James Albert Reding, Granville
 Gregory Alan Roth, Strongsville
 Kimbra Lee Smith, Norwalk

Agricultural Technical Institute - Wooster

Associate in Applied Science

Kenneth James Clément, Lima
 Sharon Rosalie Dragics, Urbana
 Andrew James Drange, Big Timber, MT
 Keith Aaron Ensign, McComb
 Edward Thomas Figler, Jr., Willoughby
 Michael Anthony Giancola, Mentor
 Brant E. Giere, Brecksville
 Cynthia Jacob, Columbia Station
 Bryan Gene Karhoff, McComb
 Duane Martin Klein, North Canton
 Richard John Kramer, Youngstown
 Douglas Albert Lantis, Red Wing, MN
 Edward Michael Leskey, Youngstown
 Chris Douglas Linville, Chardon
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 Mark Lee McDonald, Fostoria
 Tim Allen Moorehead, Cambridge
 Patrick James Murphy, Akron
 Douglas David Rhoades, Greenville
 Arthur Jay Traxler, Jr., Norwalk
 Paul A. Walsh, Doylestown

College of Agriculture

Dean: Frederick E. Hutchinson

Bachelor of Science in Agriculture

John Lawrence Agle, South Vienna
 Deborah J. Alkire, Galena
 Sherri Lynn Ames, Hillsboro
 Keith Thomas Birkhold, Antwerp
 Kimberly Lucille Bresler, Bloomdale
 David Hugh Chronister, East Liverpool
 Gary Michael Conrad, Coolville
 Donald Henry Cox, Jr., Columbus
 Lynn Ann Davis, West Lafayette
 Jeffrey Allen Draper, Jeromesville
 Greg Alan Eichenauer, Celina
 Roberta Eilene Fike, Medina
 Alice Marie Fry, Columbus
 Timothy Lee Hoberty, New Carlisle
 Mark William Hoffman, Wellington
 William Harold Holcomb, Albany
 Anthony Dean Howerton, Columbus
 James Robert Jepsen, Canal Winchester
 Christopher Douglas Johnson, Columbus
 Keith Kresina, Solon
 Darren Eugene Langhals, Columbus
 Grove
 John A. Lemmermann, Helena
 Roy Brian MacCutcheon, Lebanon
 Jo Ann May, Worthington

Bachelor of Science in Food Science

Mary Kathryn Dickes, Canton
 Jennifer Leigh Emmert, Harrison
 Judith Marie Rothermel, Worthington

Bachelor of Science in Nutrition

Emma C. Stires, Westerville

School of Natural Resources

Bachelor of Science in Natural Resources

Shaun William Allen, Columbus
 Daryl L. Apple, Port Clinton
 Andrew Gerard Baechle, Cincinnati
 Mark Daniel Colburn, Wooster
 Jeffrey Lee Hemphill, Canton
 Mary Theresa Johnstone, Cincinnati
 Denise Ethel Mullett, Mt. Gilead
 David Lawrence Pflaumer, Pittsburgh, PA

College of Business

Dean: H. Justin Davidson

Bachelor of Science in Business Administration

Tim Alan Adams, St. Marys
 Michael John Adiatori, Cincinnati
 Tamalisa Leot Al-Sultan, Columbus
 Cassandra Marzetta Aldridge, Columbus
 Jeffrey Alan Alexander, Ashland
 Rafal Andrzejewski, Warszawa, Poland
 Kevin Lee Arsham, Beachwood
 Richard Alan Arthurs, Port Union
 Jeffrey Paul August, Worthington
 Mohammad F. Baddar, Columbus
 Joy Michelle Ball, Canton
 Jeffery Lee Ballard, Marion
 Douglas Jay Banbury, Glenmont
 Daniel Ray Barnett, Willard
 John Frederick Baumer, Columbus
 Albert Keith Beach, Rawson
 Charles B. Bender, Upper Arlington
 Nancy Anne Benton, Worthington
 M. Catherine Bertino, Chesterland
 Cathy Ann Biddle-Riccio, Youngstown
 Suzanne Elaine Blue, Rio Grande
 Lisa Ann Boggan, Cleveland
 Patrick Alan Brailer, Nashport
 Gregory Takashi Broner, Fitchburg, MA

Charles George Brown III, Columbus
 Todd Warren Burdin, Fairfield
 Bradley Eugene Burget, Pickerington
 Douglas E. Burns, Cincinnati
 Margaret Aldrich Burton, Battle
 Creek, MI
 Jeffrey Keith Butcher, Sandusky
 Andrea Lyn Butryn, Poland
 Louis Joseph Cariozzi, Chesterland
 Brennan John Cavanaugh, Worthington
 Douglas March Ceccardi, Lyndhurst
 Arthur Joseph Cerimele, Youngstown
 Marlon R. Charles, Mechanicsburg
 Tin-Lap Jack Chiu, Hong Kong
 Michael Scott Christian, Columbus
 Dok Sang Chua, Tampin, Malaysia
 Craig Anthony Conner, Lima
 Thomas Robert Contini, Marysville
 Craig Steven Corson, Columbus
 Bruce Ward Cosgray, Plain City
 Gregory Lee Cottrell, Berlin Heights
 Thomas Leo Coughlin, Columbus
 Jeffrey Ray Curtis, Mansfield
 John Ilija Cvetkovski, Reynoldsburg
 Karen Lynn Darwin, Columbus
 Gary Lee Davis, Columbus
 Marcella H. Davis, Cincinnati
 Steven Henry Davis, Kettering
 Anthony Louis DeLuca, Lorain
 Michelle M. Dietsch, Edgerton
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 Denise Michelle Dittmar, Nashport
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 Kenneth Marc Dolin, Beachwood
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 James Michael Dustin, Chagrin Falls
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 Cynthia Lynn Ebner, Columbus
 Mark Frederick Eppert, Upper Arlington
 Ross Phillip Farone, Mentor-on-the-Lake
 Eric Scott Fenner, Columbus
 Alfred Douglas Fernandez, Columbus
 Jorge Ivan Fernandez, Juárez, Chihuahua,
 Mexico
 Timothy Joe Fernandez, Russells Point
 Denise Fickle, Columbus
 Deloras J. Fields, Westerville
 Gary Gene Fiorucci, Broadview Heights
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 Jack L. Foster, Canal Winchester
 Mark Anthony Furlong, Fairview Park
 Casey Colleen Gale, Reynoldsburg
 Daniel V. George, Long Branch, NJ
 Melinda Jo George, Columbus
 Heidi Kristine Getz, Pemberville
 Michele Yvette Geyer, Columbus
 Linda M. Gillespie, Plain City
 Thomas Gladyszewski, Parma
 Jon M. Glass, Sidney
 Siok Yien Goh, Singapore
 Daniel L. Gregory, Worthington
 Mark Robert Grim, Columbus

Cara Marie Guanciale, Newark
 Veysel Erdal Gülerarkin, Giresun, Turkey
 Ayman Abdel-Razik Hamed, Cairo, Egypt
 Lee Alan Hardesty, Huber Heights
 Catherine Mary Hayes, Raleigh, NC
 Arturo Gerardo Hernandez, Tiffin
 Thomas Michael Hess, Cincinnati
 James Brian Hiiz, Toronto
 Robert Alan Hirsch, Brookville
 Richard Lyle Hitchcock, Fairborn
 Erick Allan Hobbs, Worthington
 Douglas Peter Holcomb, Columbus
 Jan Reed Hollern, Columbus
 Mary J. Homan, Dalton
 Donald L. Howard, Zanesville
 Scott Brian Hudson, Middletown
 Michael Steven Hunn, Mansfield
 Brenda Lynn Jacob, Delaware
 Vancho Janakievski, Columbus
 Robert Scott Jardine, Centerville
 Thomas William Jeffire, Findlay
 Robert Edward Johansen, Westerville
 Karen Elizabeth Johnson, Chagrin Falls
 Naomi Denise Johnson, Brewster
 Jody Steven Joly, Centerville
 Paula Raye Jones, Pataskala
 William David Just, Middleburg Heights
 Nicolas Loizou Kallinicou, Limassol,
 Cyprus
 Scott John Kaminski, Adena
 Joanne Kammerer, Dublin
 Timothy Arthur Kelly, West Chester
 John Miles Kerzman, Broadview Heights
 Theresa Marie Kiko, Minerva
 Jong Chun Kim, Seoul, Korea
 Daniel P. King, Columbus
 Karen Lee Kinley, Lexington
 William Joseph Kirwin, Columbus
 Scott A. Knabe, Cincinnati
 Pick Cheang Kok, Perak, West Malaysia
 James Francis Koper, Marysville
 Brenda L. Kornmiller, Columbus
 Robert Donald Kramer, Pickerington
 Douglas Alan Kraus, Aurora, IL
 Lee Lin Kwa, Melaka, Malaysia
 Jill Ann Lambert, Columbus
 Stephen F. Lambeth, Columbus
 Holly Louise Lawrence, Worthington
 Terrence Gregory Leach, Pickerington
 Byron Keith Lester, Grove City
 Anita Marie Likens, Worthington
 Paul Zhi Cheng Liu, Singapore
 Chai Sheong Loh, Kuala Lumpur,
 Malaysia
 Kevin Ross Lohr, Painesville
 Mark Antony Lombardi, Amherst
 James Andrew Looney, Whitehall
 Marisol del Rosario Lugo Juan,
 Aguadilla, PR
 Robert Samuel Macali, Niles
 Mিকে Elaine Mahaffey, Washington, PA
 Brian John Majeska, Highland Heights
 Agnes Adama Mansaray-Dura, Makeni,
 Sierra Leone
 James Rudolph Marik, Garfield Heights
 John Arthur Mazor, Highland Heights
 Steven James McBeth, Elida
 Frank Ralston McCabe III, Aliquippa, PA
 Marty Lynn McClellan, Germantown

Cheryl Lynn McFarland, Columbus
 Mark William McLaughlin, Reynoldsburg
 Philip Bernard Meyer, Columbus
 Peter Alex Mihnovets, North Royalton
 Joseph Andrew Milligan, Mansfield
 Heide Sue Modlich, West Jefferson
 David Russell Moore, Alexandria
 Jeffrey Thomas Moss, Toledo
 Steve Michael Mullan, Columbus
 Anthony Todd Musarra, Pepper Pike
 Mark William Myer, Columbiana
 Andrea K. Nespor, Washington, DC
 Thomas Richard Newcomer, Mansfield
 Thanh-Lan Thi Nguyen, Lakewood
 Talli Nissimov, Chillicothe
 Carolyn Sue Noah, Smithville
 Steven Matthew Oliver, Westerville
 Jeffrey Joseph Ondich, North Olmsted
 Donald Paul Ostermeyer, Worthington
 Dave Scott Penkal, Eastlake
 Michael Albert Perrico, Concord
 John Henry Pfeiffer, Toledo
 Vincent John Pinzone, Solon
 Andrew Stephen Poderys, Sunbury
 Steve Whiting Pollock, Delaware
 Teresa Marie Pompili, Warren
 Christine Marie Poole, Athens
 Mark Allen Prass, Dayton
 Joseph Patrick Prendergast, Worthington
 Barbara Jean Price, Fostoria
 Adam Thomas Race, Euclid
 Stephen G. Rady III, Columbus
 Michael J. Rea, Chagrin Falls
 Debra Lynn Reiger, Dover
 Karen Marie Reinmann, Rocky River
 Anne Jeannette Reitz, Kettering
 Michelle Marie Remynse, Toledo
 Elizabeth Ann Renie, Centerville
 Dale Philippa Richmond, Memphis, TN
 Jack Leighton Ries II, Newark
 Yehya M. Rifai, Grove City
 Michael Wayne Robertson, Parma Heights
 Leslie Anna Robinson, Radnor
 Darrolyn Jean Robison, Rudyard, MI
 Gregory Allen Rodoski, Reynoldsburg
 Philip Lee Rooney, Findlay
 Sharon Ann Ruble, Bridgeport
 David Elvin Ruckman II, Wadsworth
 Sherry Lynn Sargeant, Batavia
 Margaret Susan Schehr, Columbus
 Valerie Sue Schiefer, Powell
 Mark Alan Schmidt, Fremont
 Karen Lee Schmoll, Kettering
 Albert Frank Schuster, Mansfield
 Mark Jeffrey Scott, Columbus
 Jeffrey Alan Scroggie, Greenfield
 Michele Suzanne Seide, Willoughby
 Daniel Joseph Shea, Columbus
 Andrea Helaine Sheets, Chesterland
 Laura Jean Shepard, Reynoldsburg
 Jeffrey Lee Shinaman, Skaneateles, NY
 Richard M. Shultz, Forest
 Kimberley Anne Shunk, Columbus
 Bryan Kendall Smith, Jacksonville, FL
 Ralph Kevin Smith, Canal Winchester
 Todd Joseph Smith, Lima
 Sungae Son, Cleveland
 Tod Powell Spornhauer, Brookville
 Sean A. Stanic, Canfield

Karen Lee Stasiewicz, Columbus
 Michael Lee Stead, Dresden
 Paul D. Striley, Fairfield
 Donna Lee Strout, Newark
 Mark Bradley Sutton, Circleville
 Christopher E. Swabby, Columbus
 Laura Ann Tegethoff, Columbus
 Ramona Diane Terry, Mascoutah, IL
 Glenn W. Thompson, Westerville
 Judy Diane Thornton, Forest Park
 David Alan Tien, Macedonia
 Karen Denise Tirpack, Beavercreek
 Kasimin Tjuatja, Medan, Indonesia
 Ted Joel Tobler, Cincinnati
 Su Tian Toh, Melaka, West Malaysia
 John Marshal Torok, Youngstown
 James Brian Tuffin, Shaker Heights
 Cindy S. Verity, Elyria
 Luis Ricardo Vigil de la Parra, Puebla, Mexico
 Joseph Charles Vinciguerra, Cleveland
 Kevin I. Vogel, Powell
 Lori Alicia Vogt, Upper Arlington
 Kevin Douglas Wade, Marysville
 David James Walker, Columbus
 Brian Anne Wallace, Worthington
 Ronda Kay Wallick, Westerville
 Thomas Allen Ward II, Columbus
 Bradley Eugene Weisz, Edgerton
 Kellie Jo Weitz, Findlay
 Nancy Ellen Welch, Columbus
 Diana G. Wilcox, Mt. Gilead
 David Alan Wiseley, Hilliard
 Mark Nathan Wiseman, Wheeling, WV
 Tracey Anne Woodward, Worthington
 Nathan Earl Wright, St. Louisville
 Richard David Wurzelbacher, Cincinnati
 Peter M. Wynne, Columbus
 Molly Ann Yoakum, Delaware
 Jeffrey Thomas York, Akron
 Gregory Thomas Zakrajsek, Middleburg Heights

College of Education

Dean: Donald P. Anderson

Bachelor of Science in Education

Deborah Anne Adams, Columbus
 Lisa Dawn Baker, Centerburg
 Diane Marie Bannister, Westerville
 Brad Andrew Barboza, Galena
 Janet Mary Baughman, North Canton
 Robert Bowen Becher, Cuyahoga Falls
 Ann Fender Bixler, Columbus
 Lynette Marie Blake, Belpre
 Karen Sue Flesher Brantley, Columbus
 Tricia S. Britton, Columbus
 Jeffrey Lee Brokaw, Bellville
 Elizabeth A. Carr, Ashland
 Shirley Ann Collura, Westerville
 Jean Ann Copley, New London
 Darryl Bartlett Craft, Miamisburg
 Shellie Renee Dawson, Coshocton
 Peggy Jo Deringer, Bellefontaine
 Christiane Gisela Dressler, Johnstown

Kerry Glenn Ducey, Ottawa
 Ellaura Mae Dundore, Bellevue
 Ellen Marie England, Lima
 Patricia Lynne Evans, Cuyahoga Falls
 Jeanette Lynn Faeth, Plymouth
 Jeanne Marie Felmly, Cuyahoga Falls
 Donald Brian Felumlee, Nashport
 Colleen Rose Finn, Elida
 Laura Lee Fischer, Columbus
 Melinda Kay Fleck, Reynoldsburg
 Katherine Michele Fritsch, New Albany
 Ronald Ray Gorby, Marion
 Marcee Jean Graymire, Elida
 Mark Lee Grissom, Fairborn
 Deborah L. Gronas, Lima
 Marvin Eugene Harlan, Mansfield
 Brian LaMar Harper, Marion
 Dorene Lyn Heineman, Zanesville
 Gregory Reese Hill, Indianapolis, IN
 Paul Wayne Hinkle, Fredericktown
 Laura Beth Hoffman, Fredericktown
 Michael Jay Huler, University Heights
 Marianne Wilk Jones, Newark
 John Fotios Kalagidis, Canton
 John Joseph Kalteacker, Vermilion
 Mary-Jo Knott, Ottoville
 Amy Suzanne Kovacs, Grafton
 Eric Palmer Kumerow, Barrington, IL
 Elizabeth J. Lamb, Lima
 Perry J. Landin, Fort Jennings
 Anthony J. LaRosa, Grove City
 Nora Elizabeth-Ries Lewis, Upper Arlington
 John David Lydic, Elyria
 Anthony Dominic Maite, Columbus
 Brenda Gay Malone, Rock Camp
 Lori Ann Marshall, Columbus
 Karen Kay Martin, Russell Point
 Tracey Lee Maxwell, Huntsville
 Gleason Moore McBane, Columbus
 John William McCord, Columbus
 Pamela Kay Miles, Columbus
 Kindar Plymale Miller, Bucyrus
 Marjorie Louise Miller, Galion
 Maria Lynne Monnin, Olmsted Falls
 Robbi Lynnette Montgomery, Waverly
 Robert H. Morris II, Columbus
 Jerry Von Morrison, Jr., Dublin
 Lisa Jill Moses, Akron
 Paula Jean Muto, Warwick, RI
 Charmaine Nichols, Lima
 Colleen Ann O'Brien, Kettering
 Leslie Lee Anne O'Donnell, Columbus
 Richard Napier Olderman, West Salem
 Margaret Yvonne Orazen, Upper Arlington
 Janice B. Pardi, Columbus
 Barbara Jean Park, Mt. Vernon
 Christina Marie Powell, New Albany
 Dennis Wayne Powell, Mansfield
 James Brendan Powers, Parma Heights
 Nancy Lee Radebaugh, Westerville
 Anne Louise Randolph, Greenville
 Angela Marie Raver, Groveport
 Linda Lou Reamsnyder, Findlay
 Rinsford Allan Reinhard, Columbus
 Karen Ann Rekart, Lima
 Frederick Marshfield Ridder III, Eaton
 Kathy Jane Ritchie, Marion

Martha Louise Roof, Hudson
 Jill Karen Sadowsky, Lyndhurst
 Matthew John SanGregory, Tiffin
 Michael Ray Satterfield, Heath
 Renee Christine Schooley, Columbus
 Susan Kay Semer, Van Wert
 Lori Marie Severt, Westerville
 Suzanne Lee Shroyer, Troy
 Melanie Beth Shugert, Portsmouth
 Kathleen Ann Simpson, Conneaut
 Jerry D. Slone, Mt. Vernon
 Paula Sue Spainhower, Mansfield
 Amy Beth Spitzer, Mechanicsburg
 Christina Kay Stanley, West Chester
 Milton David Stewart, Heath
 Rick Swauger, Hilliard
 Lucinda Annette Tackett, Columbus
 Edward James Taggart, Akron
 Pamela Ann Taylor, Mansfield
 Richard Edward Teague, Columbus
 Bruce Douglas Thomas, Bucyrus
 Diane Lee Thurber, Maumee
 Jean Marie Tom, Millersport
 Sandra Leigh Tracy, Cleveland Heights
 Kay Marie Urbon, Shaker Heights
 Stephanie Layne Vargo, Jewett
 Susan Jane Vega, Canton
 Carol Ann Vennekotter, Continental
 Michael Lee Volkert, Hicksville
 Terry Jo Webb, Columbus
 Stephanie Melissa Weber, Dayton
 Thomas Theodore Workman, New Lexington
 Jacqueline M. Worster, Westerville
 Linda Louise Wycoff, Mt. Vernon
 Monica Jean Yetzer, Shelby

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 the College of the Arts.

College of Engineering

Dean: Donald D. Glower

Bachelor of Science in Aeronautical and Astronautical Engineering

Carolyn Jean Blakelock, Yellow Springs
 Charles Boutros Gebran, Columbus
 David Albert Klaasse, Chagrin Falls
 Christopher Alexander Leger, Columbus
 Michael James Machock, Elyria
 James Patrick Morgan, Akron
 Anna Kay Rambo, New Lexington
 George Luis Richardson, Rota Naval Base, Spain
 Frank David Riha, Solon
 Roy Brian Strachan, South Plainfield, NJ
 Russell Eugene Thibaut, Columbus
 Robert Michael Usher, Shaker Heights
 David Brian Webb, Waynesfield

Bachelor of Science in Agricultural Engineering

Janet Marie Leite, Toledo
Bart Wayne Ray, Carrollton

Bachelor of Science in Aviation

John David Crawley, Frostburg, MD
Christopher John Lenox, Doylestown
Christopher James Preston, Powell
Rodney John Yee, North Olmsted

Bachelor of Science in Ceramic Engineering

James Vincent Bothe, Jr., Columbus
Jeffrey Stuart Coutts, Urbana
Jeffrey Todd Knapp, Penfield
Tommy Joe Mills, Jr., Steubenville
Sheila R. Pandya, Salem

Bachelor of Science in Chemical Engineering

Louise Annette Seeley, Columbus

Bachelor of Science in Civil Engineering

Hasan Raafat Alkhayri, Amman, Jordan
Mark Allyn Ambuehl, Lancaster
Mark Weber Antonetz, Zanesville
Jeffrey L. Bateman, Moorestown, NJ
Mark Richard D'Andrea, Pearl River, NY
Douglas Robert Davis, Zanesville
Jerome Paul Fiore, Sagamore Hills
Keith Allan Furukawa, Parma
Ricky Monroe Hively, Columbus
Kathleen Anne Korterud, Columbus
Julia Ann Miller, Glenmont
Zawawi Samba Mohamed, Kedai Mulong, Malaysia
Michael Edward Murphy, Findlay
Rafic Moroun Nakouzi, Tabarja, Lebanon
Chee Wan Ong, Columbus
David Pearl Poling, West Mansfield
Andrea Jean Shannon, Columbus
Sonia Liza Shreffler, Groveport
Backus Joseph Wakim, Miziana, Lebanon
Emanuel Whiteside, Jr., Columbus

Bachelor of Science in Computer and Information Science

Steven Michael Anderson, Columbus
Bradley Scott Arlen, Beachwood
Reza Barkhi, Shiraz, Iran
Steven Craig Chapman, Coshocton
Rohit Chawla, New Delhi, India
Robert Bryan Davis, Orient
Michael Allen Green, Cincinnati
Howard Daniel Hamilton, Cincinnati

Peter Joseph Hohlbein, Delphos
Kenneth Alan Howe, Columbus
Scott Herhold Huston, Akron
Julie Ann Lucas, Galena
James Franklin Marshall, Steubenville
Mary Beth Nelson, Columbus
Judith Lane Robinson, Plain City
George Michael Ruck, Worthington
Mark William Russell, Columbus
Brady Rodrick Rutherford, Carroll
Laurentius Darwin Senjaya, Jakarta, Indonesia
Allen Charles Skinn, Beaver Creek
Richard Wayne Steele, St. Marys
Advait Vidyadhar Supanekar, Columbus
Seck Howe Toh, Singapore
Kevin John Wright, Whitehall

Bachelor of Science in Electrical Engineering

Himanshu Subhash Amin, Eastlake
Mohammad Arya Azadpour, Columbus
Ranjani Balasubramaniam, Cleveland
William Edward Bartos, Richfield
Jonathan Charles Benya, Parma
Janice Dee Betts, Dayton
Jean Rena Brands, Defiance
William Robert Dirks, Cleveland
Clark Edward Fortney, Columbus
Peter Francis Garvin, Clyde
Heung Yeung Go, Hong Kong
Barry Dean Gross, Shelby
George Anthony Hadgis, Biddeford, ME
James Emmett Hartley, Columbus
Rodney Eugene Haven, Bangkok, Thailand
Philip Ka-on Ho, Hong Kong
Derek Keith Hoff, Perrysburg
Douglas Horn, Cincinnati
David Rhys Jones, Columbus
Mark A. Jones, Worthington
Mawaheb Zafer Kabbara, Tripoli, Lebanon
Kedar Pawan Kapoor, Hudson
Scott Wayne Kiesewetter, Piqua
James Weldon Lillard, Jr., Lexington, KY
Kieu Lam Nguyen, Columbus
Robert William Overberg, Columbus
Umesh Chandra Patel, Columbus
Vern Charles Peltomaa, Columbus
David Charles Reutter, Mt. Gilead
Timothy James Ruffner, Avon
Mae Elizabeth Ruhl, Columbus
Piyush Rajnikant Shah, Cincinnati
Vandana Srivastava, Columbus
Timothy Allen Stauffer, Ada
Todd Charles Tomba, Painesville
Eric Allen Whitehill, Fairborn
Dale Thomas Wolfe, Avon
Derek Jon Zacharias, Bellbrook

Bachelor of Science in Engineering Physics

Carolyn Jean Blakelock, Yellow Springs
Sharon Ann Morrow, Middlefield

Bachelor of Science in Industrial and Systems Engineering

David James Alben, Columbus
Paul David Baker, Columbus
Georges Elias Beaini, Tripoli, Lebanon
Jonathon Joseph Ceh, Amherst
Linda Susan Cooper, Shaker Heights
James Robert Corll, Canfield
Donavon John Favre, Columbus
Thomas Joseph Feldkamp, Jr., Mentor
Diana June Fisher, Revenna
James Arthur Fograscher, Westerville
Debra Ruth Foster, Carbondale, IL
James Edward Geesey, Bryan
Joseph Mark Grant, Shelby
Dirk Charles Greywitt, Strongsville
David Thomas Griffiths, Lexington
Harold Thomas Gruber, Columbus
Kenneth Joseph Gulick, Fairview Park
Charles David Hamilton, Hamilton
John Cox Hatfield, Woodcliff Lake, NJ
David Robert Hooper, Chillicothe
Joyce Stephanie Hudak, Campbell
Richard Ken Ishiyama, Parma
Altaf Mohiuddin Jaferi, Parma
Thomas Charles Jokerst, Galion
Kimberly Anne Kender, Niceville, FL
Edward Mark Knapper, Cincinnati
Samuel Raymond Kuper, Middletown
Barbara Jean Lantry-Miller, Columbus
William Lawrence Mondillo, Westerville
Brian Scott Pretorius, Dayton
Bassam Abdel Rater, Ashtabula
Allen Jeffery Rissul, Youngstown
Hartono Santoso, Malang, Indonesia
Jonathan David Schatz, Dayton
Brian Paul Schindler, Chagrin Falls
James M. Seibert, Columbus
Charles Eugene Soule, Middletown
Todd Alan Stroh, Wadsworth
Krista Lynn Wentz, Kettering
John Charles Whieldon, Solon
Terrence Miles Zeller, Bethel Park, PA

Mechanical Engineer

Rick A. Smith, Shelby

Bachelor of Science in Mechanical Engineering

John Delmore Boyer, West Lafayette
James Yu-Ting Chen, Taipei, Taiwan, R.O.C.
David Robert Condonnier, Fort Loramie
Donald Lee Cuthbert, Jr., Galloway
Richard William Dame, Madison
Nathaniel Robert Doersam, Columbus
Timothy Noel Dop, Worthington
John Joseph Drabczyk, Hudson
Patrick French, Delaware
James Gavin Howe, Columbus
Andrew Stephen Hughes, Dublin
Thomas Milton Ihrig, Port Washington, KY
Theresa Reilly Krystofik, Columbus

Charles Gaetano Muzio, Jr., Lorain
Brent J. Richey, Defiance
Carl Conrad Schultz III, Columbus
Eric Louis Schumann, St. Marys
Oather Taylor III, Freeport, IL
Mark Joseph Uland, Circleville
Mark Leo Ziolkowski, Pittsburgh, PA

Bachelor of Science in Metallurgical Engineering

Carl Emerson Biefeld, Newark
James Paul Dykeman, Lyndhurst
Mark David Gilliat, Kettering
Barbara Ann Hannel, Springfield
Mark Leroy Purtee, West Milton
Syed Sohail Qamar, Karachi, Pakistan
David Robert Tillett, Washington Court House

School of Architecture

Bachelor of Science in Architecture

Nabil Mohamed Abdel-Hamid, Cairo, Egypt
Chaerani Affandi, Jakarta, Indonesia
John Edward Harmon, Gahanna
David George Rectenwald, Westlake

College of Home Economics

Dean: Lena Bailey

Bachelor of Science in Home Economics

Amber Lynnae Angel, Brecksville
Cynthia K. Boden, Columbus
Geraldine Marie Cain, Cincinnati
Cassaundra Rachelle Coles, Westerville
Anne Louise Cunningham, Dayton
Amy Larease Cupe, Columbus
Stefanie Anne Dirienzo, White Plains, NY
Laurie Lynne Dutton, Celina
Karen L. Dziengelewski, Toledo
Barbra Fox, Blacklick
Gayle Anne Glenn, Columbus
Amy Bidwell Hurd, Columbus
Mary Catherine Johnson, Urbana
Michelle Marie Karolak, Lorain
Margaret Anne Lesko, Westlake
Wendi Barbra Levine, Beachwood
Linn Christine Lile, Ada
Norma Sue Osborne, Columbus
Sharon Marie Philipot, Paulding
Rebecca Sue Powell, Gahanna
Douglas DL Ridgway, Columbus
Kelly Jo Ann Russo, Pickerington
Jill Francis Samaritoni, Sylvania
Paula Lynn Schweitzer, Vermillion
Jennifer Beth Stanley, Cincinnati

Marjorie Anne Stevenson, Worthington
Christine Ann Turnbull, Columbus
Jonathan Robert Young, Kalamazoo, MI
Mindy Beth Zucker, Beachwood

Bachelor of Science in Hospitality Management

Patricia N. Carpenter, Sandusky
Ronald Edward Dorsey, Lorain
Sandra Kay Osterloh, Columbus
Robert John Porter, Kirtland
Douglas P. Treichler, Barrington, RI

Bachelor of Science in Nutrition

Lori Ann Buroker, Kenton

College of Medicine

Dean: Manuel Tzamouris

School of Allied Medical Professions

Bachelor of Science in Allied Health Professions

Charles Thomas Baker, Jr., Greenhills
Ann Elizabeth Bassitt, Lima
Patricia Ann Burdinski, Bay Village
Sherri Ann Buss, Mentor
Linda Carol Chandler, Poland
Shawn Patrice Cooper, Fairborn
Eileen Marie D'Epiro, Fairborn
Jeannie Lynne Enrick, Huntsville
Kimberly Sue Eshleman, Union
Carol Frances Ferguson, Bethel
Kathleen Joann Fox, Columbus
Maria Christine Galgas, Parma
Kathleen Marie Geiss, West Chester
Grace Gerwe, Baltimore, MD
Diane Nancy Hart, Columbus
Robin Leah Hartley, Cortland
Wendy Ann Heinzman, Columbus
Kristin Sue Herrnstein, Chillicothe
Kathleen Ann Hicks, Norton
Denara Lyn Howell, Shelby
Paula Jean Hutchins-Moloney, Sidney
Georgette Roberta Ireland, Parma
Marsha R. Jacobson, Youngstown
Dennis Mark Kirven, Chelmsford, MA
Julie Marie Kline, Canton
Janet Marie Koenig, St. Henry
Donna Diann Koshiba, Granville
Annette Marie Kraml, Bay Village
Rose Mary Krue, Waynesville
Lisa Ann Landaker, Westerville
Julia Anne Larabee, Crestline
Laura B. Linville, Delaware
Dawn Rosemary Lonske, Whitehall

Anne Margaret Losekamp, Upper Arlington
Beth Anne Ludwig, Columbus
Sandra Lynn Luthe, Youngstown
Patricia Helen Magee, Pittsburgh, PA
Jill Arlene Mateleska, Huron
Karen Louise McCormick, Canfield
Jon Deric McKamey, Leesburg
Laurie Sue Mearini, Jefferson
Jeannette Renee Mercier, Worthington
Terrence Joseph Morris, Columbus
Kay Lynn Murrell, South Vienna
Annette Therese O'Malley, Westlake
Sonya Anne Owens, Toledo
Theresa Rene Pantanella, Toledo
Carol Ann Pesek, Independence
Lisa Louise Ross, Denver, CO
Patricia Anne Seymour, Powell
Christine Shanks, Reynoldsburg
Melinda Leigh Sine, Beavercreek
Ardith Irene Stratton, Salem
Karen Joan Taylor, Springdale
Christine Tepley, Lakewood
Teresa Ann Wasserstrom, Cuyahoga Falls
Georgia Gay Williams, Columbus
Rebecca Caroline Williams, Wheelersburg
Janette Kaye Wurth, Kalida

Certificate of Post Baccalaureate Circulation Technologist

Ginger Jeannette Barker, Stow
B.S.Agr.

Todd Neale Nord, Tiffin
B.S. (Heidelberg College)
Dale Lance Ruby, Cherry Hill, NJ
B.S. (Oral Roberts University)

Certificate of Study in Occupational Therapy

Marla Faith Holtzman, Cincinnati
B.S. (Ohio University)
Carol Lynn Schreck, Cleveland
A.B. (Youngstown State University)

College of Nursing

Dean: Carole A. Anderson

Bachelor of Science in Nursing

Michael Anthony Crippen, Hillsdale, MI
Jane Ann Edwards, Columbus
Jean Marie King, Mansfield
Colette Yvonne Martin, Worthington
Norma A. Schmansky, Worthington
Kathleen Gail Watkins, Perrysburg
Hyacinth D. Williams, Powell

College of Pharmacy

Dean: Albert H. Soloway

Bachelor of Science in Pharmacy

Sam A. Albeg, Columbus
Susan Renee Beardmore, Lewisville
Terrence P. Boylen, Cleveland
Brian Scot Carpenter, Columbus
Robert Anthony Fetty, Cortland
Patrick Mitchell Letwen, Cortland
Sue Ann Touse, Columbus
Christopher Michael Wendling, Columbus

College of Social Work

Dean: Richard E. Boettcher

Bachelor of Science in Social Work

Rebecca Lynn Austin, Pickerington

Graduates with Honors

Criteria for graduating 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.

Summa Cum Laude designates those graduating in the top 3% of the class.

With Distinction in Ancient History and Classics

Marianne Paula Urse

With Distinction in Parks and Recreation Administration

Andrew Gerard Baechle

With Distinction in Wildlife Management

Kimbra Lee Smith

With Honors in the Liberal Arts

Philip Daniel Morrison

Cum Laude

Christine Lucille Auten
Ann Elizabeth Bassitt
Jeffrey Alan Beachy
Ann Fender Bixler
Lynette Marie Blake
Rohit Chawla
Jean Ann Copley
Kimberly Ann Davies
Michelle M. Dietsch
Rebecca Lynn Dillon
Kenneth Marc Dolin
Sharon Rosalie Dragics
Richard Gordon Dunlop
Donald Brian Felumlee
Carol Frances Ferguson
Katherine Michele Fritsch
Peter Francis Garvin
Michele Yvette Geyer
Deborah L. Gronak
Dennis Mark Kirven
Amy Suzanne Kovacs
Richard John Kramer
Patricia Joan McLoughlin
Marjorie Louise Miller
Valerie Ann Murchake
Norma Sue Osborne
Christine Marie Poole
Barbara Jean Price
Stephen G. Rady III
Michael Wayne Robertson
Lisa Louise Ross
Julie McLoughlin Rutledge
Hartono Santoso
Mark Alan Schmidt
Karen Lee Schmoll
Robin Joyce Sekerak
James Trenton Snavley
Paul Edward Solomon
Amy Beth Spitzer
Karen Lee Stasiewicz
Marjorie Anne Stevenson
Patricia Kay Strickland
Julie Ann Thomas
Melissa Ann Tobias
Robert Michael Usher
John Charles Whieldon
Jerry L. Wilson
Brent Dale Ziegler

Cum Laude with Distinction in Agronomy

Miles Miller Zimmerly

Cum Laude with Distinction in Mechanical Engineering

James Yu-Ting Chen

Cum Laude with Distinction in Occupational Therapy

Teresa Ann Wasserstrom

Cum Laude with Distinction in Photography and Cinema

Jonathan Cupp

Cum Laude with Honors in the Liberal Arts

Thomas Monroe Bolon, Jr.

Summa Cum Laude

Tim Alan Adams
Kevin Lee Arsham
Shawn Patrice Cooper
James Joseph Davidson
Keith Aaron Ensign
Jeanette Lynn Faeth
Debra Ruth Foster
Mona Gazala
Daniel L. Gregory
Lori Groendyke-Knutti
Joan Angela Hargis
Denara Lyn Howell
Scott Herhold Huston
Elizabeth J. Lamb
Andrea K. Nespor
Janice B. Pardi
Cynthia Rayak
Leslie Anna Robinson
Darrolyn Jean Robison
Martha Louise Roof
Mae Elizabeth Ruhl
Karen Lee Schmoll
Piyush Rajnikant Shah
Alison D. Thomas
Justin Falgui Tugaoen
Carol Ann Vennekotter
Kevin I. Vogel
Michael David Young

Summa Cum Laude with Distinction in Medieval and Renaissance Studies

Joanne Alice Gerlachner

Summa Cum Laude with Honors in the Liberal Arts

Margaret Jane Armstrong
Michael David Young

Summa Cum Laude with Honors in the Liberal Arts and with Distinction in Psychology

Laura Ann Brannon

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

Columbus, Ohio, April 7 and 8, 1988

The Board of Trustees met at its regular monthly meeting on Thursday, April 7, and Friday, April 8, 1988, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, pursuant to adjournment.

* * *
Minutes of the last meeting were approved.

* * *

April 7 and 8, 1988 meeting, Board of Trustees

The Chairman, Mr. Redman, called the meeting of the Board of Trustees to order on April 7, 1988, at 6:30 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: Edmund C. Redman, Chairman, Leonard J. Immke, John W. Berry, Shirley D. Bowser, Hamilton J. Teaford, John J. Barone, Deborah E. Casto, and John W. Kessler.

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Mr. Redman reconvened the meeting on April 8, 1988, at 10:15 a.m.

Present: Edmund C. Redman, Chairman, Leonard J. Immke, John W. Berry, Shirley D. Bowser, Hamilton J. Teaford, John J. Barone, Deborah E. Casto, and John W. Kessler.

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Mr. Redman announced the appointment of the following persons to the Nominating Committee:

John W. Berry, Chairman
Shirley D. Bowser
Hamilton J. Teaford

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Mr. Redman:

Dr. James C. Garland, Chairperson of the Department of Physics, and two of his colleagues, will give a presentation on Materials Science.

Dr. Brand:

Mr. Chairman, may I take a moment to introduce them?

Mr. Redman:

Yes.

Dr. Brand:

Recently, the news media reported on major new discoveries in high temperature superconductors. Although these amazing new materials have drawn unusual public interest they also highlight, in a very dramatic way, how important new materials are in our modern society. Major advances in materials research in the past decade include, in addition to the discovery of high temperature superconductivity, the development of a new chemical process for producing novel ceramics and alloys, the miniaturization of electronic devices, the development of optical methods for data transmission, and the introduction of biomaterials relevant to a wide variety of modern applications.

Materials research is now emerging as a coherent field of research in itself. A vital combination of many traditional

April 7 and 8, 1988 meeting, Board of Trustees

Dr. Brand: (contd)

disciplines ranging from solid-state physics and polymer chemistry to metallurgy and mechanical engineering. Work in this field combines the intellectual challenges of the most fundamental problems in mathematics, chemistry, physics, and many areas of engineering. This field encompasses the excitement of improving the quality of life for the 21st century. It is increasingly clear to many of us that research in materials is essential to the health of all U.S. industries, including those in the State of Ohio.

Today, I have asked three Ohio State faculty members to brief you on materials research here. These faculty members are playing a key role in our rapidly developing and expanding efforts in materials research. Professor James Garland is currently Chairperson of our Physics Department. He is an authority on superconductivity in composite materials. Jim is a former Director of the Ohio State Materials Research Laboratory and a former Acting Vice President of Research and Graduate Studies. Jim received his bachelor's degree from Princeton, his Ph.D. in experimental solid-state physics from Cornell, and has been at Ohio State for eighteen years.

Professor Dennis Readey is the Chairperson of the Department of Ceramic Engineering and is a nationally renowned expert on ceramic materials. Dennis joined Ohio State in 1977, as a full professor, and before that time he was senior scientist and manager of the Rathion Company. He has also been with the Department of Energy in Washington.

And, Dr. Arthur Epstein is both a Professor of Physics and a Professor of Chemistry. Art came to Ohio State in 1985 from Xerox. He is a leading researcher in new materials based on polymers and also on the new high temperature superconductors. Art did his undergraduate work at Brooklyn Poly Tech and received his master's and Ph.D. degrees in solid-state physics from the University of Pennsylvania.

Gentlemen, if you would --

Dr. James Garland:

Thank you. It is really a pleasure to come before you all and talk about this subject which is not only dear to my own heart, but that of many of my colleagues at the University, in several different colleges and many departments.

From the earliest days of civilization human beings have used materials made of various substances in order to provide themselves with a more hospitable environment. Because early man had only a very rudimentary understanding of matter, and of the laws that govern matter, they were pretty much stuck with using substances that occurred naturally in nature: wood, stone, earth, and later -- as we were able to refine materials into their basic elements -- iron, copper, gold, and some of the other elements. These materials were used to provide shelter, clothing, containers for food and water, tools, and weapons.

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Dr. Garland: (contd)

As society advanced people learned primarily through trial and error, to combine these natural substances together to make synthetic substances. These synthetic substances had properties that were better than the natural occurring. For example, the Romans had an early form of concrete, there are Japanese swords many hundreds of years old that are made of a form of tempered steel.

But the real advance came with the discovery that matter was made of atoms; that atoms were the basic building blocks of nature; that atoms could be formed together to make solids, liquids, and molecules; and that there were basic fundamental laws that guided the way atoms interacted with one another. This knowledge of the atomic nature of matter laid the groundwork for scientists and engineers to make enormous progress in the fabrication and application of materials.

Up to the 20th century, materials were used almost exclusively for structural purposes, and such considerations as strength, hardness, corrosion-resistance were the primary concern. In the 20th century, we discovered that we could exploit exotic materials for these electrical, magnetic, and thermal properties as well. While we have not lost site of their applications for structured purposes -- and I point to certain Teflon and various graphite deposits as examples -- we now use materials also for their electrical and electronic properties. For example, silicon, germanium, and gallium arsenide are all examples of materials which are used not because they can contain anything or support anything, but simply because they have desirable electrical properties.

Dr. Brand alluded to superconducting ceramics -- the so called high temperature superconductors that have very much caught the public fancy. That subject is a nice example of materials research at its most sophisticated. For example, let me show you a drawing -- this is a hand made transparency that was used at a Physics meeting last month -- of the crystal structure of one of the new high temperature superconductors. We have learned that these new superconductors are made up of crystals that are unbelievably tiny -- only a few atoms across. This drawing of various colored balls refers to different kinds of elements that go into making up this crystal. Notice how complicated the crystal is, how the atoms organize themselves into regular, repeating patterns. If we were to go into this crystal and pluck out that little green oxygen atom right there, superficially we haven't changed the material at all. It still looks the same, feels the same, weighs about the same, has the same texture, but it is no longer a superconductor. It is now an insulator, like an ordinary piece of glass.

In a sense, the development of this type of material is analogous to microsurgery, but instead of using scalpels to do the surgery we are using the tools of electron microscopes, fourier transform spectrometers, and molecular beam epitaxy machines -- ultra-sophisticated and ultra-expensive surgical tools.

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Dr. Garland: (contd)

Why do we make this kind of effort? The reason is that advanced materials are at the very foundation of a modern technological society. Here is an example from the space shuttle. The space shuttle is really the embodiment of modern materials research. Titanium alloys and graphite fiber composites are used for structural purposes, providing incredible strength with very light weight. The Challenger disaster was attributed to a failure of a material, the "O" rings in the booster rockets. Materials research is a part of the development of this kind of machine. Here I have listed some of the more exotic materials that are used in the electronics in the space shuttle -- the guidance mechanism, the control, the communication.

What do we mean by the phrase "materials research?" It's a little bit confusing, because the phrase embodies many different traditional academic specialties, crossing the boundaries between those specialties. Here is my flow chart that explains what materials research is in the context of Ohio State.

This green list shows some of the academic departments and some of the subspecialties within those departments where materials research is done. But the point I want to emphasize is that materials research, unlike most of the traditional research areas, really is a team effort. It requires scientists and engineers to work together, learning to speak a common language, and sharing their expertise. It is clear to me that all major universities have to make major initiatives into this general area if we are really going to contribute to the advancement of our civilization.

Now, I think next on the schedule is Dennis Readey, who is going to go into a little more detail about materials research -- what it is and how it fits into programs at Ohio State.

Professor Dennis Readey:

Thank you, Dr. Garland. As Jim pointed out, I am going to try and tell you a bit more about what constitutes Materials Research and Application and its importance at Ohio State and why it is particularly important at this time.

This definition of Materials Research and Applications shown in the overhead was developed by the National Academy of Sciences. The key here is that it is a "multidisciplinary" activity, as Jim pointed out, developed only during the last three decades. It deals with the generation and application of knowledge relating to the composition, the structure, and processing of materials to their properties and use. I can illustrate that by looking at the use of materials from the beginning of man on this Earth. The interesting thing is that we have described various periods of man's civilization by the materials that we have used. The Stone Age existed up to about 5,000 B.C.; the Bronze Age up to about 1,000 B.C.; at which time the Iron Age began. It lasted up to about 1900. I will define the Materials Age as starting about 1900 for the following reasons. In 1700 - 1800, different materials were being made by altering their compositions. It was

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Professor Readey: (contd)

not known exactly what was happening, but it was discovered that by changing compositions one could change the properties of materials. So the effect of composition on properties was becoming known during this period.

In the mid-1800's, the chemists began looking at the structure of molecules. So the concept of the effect of structure on properties started to become important. About 1863, metallurgists began looking at the structure of metals and rocks using microscopes -- examining the structure at a different level. So we had developed in about 1900, the ability to look at the structure at a microscopic-level and a compositional-level. Interestingly enough, this is when some of the various academic disciplines in materials got started. Metallurgical engineering began about 1850, and, of course, you all know that ceramic engineering, as an academic discipline, was started here in 1894 at Ohio State by General Orton, the son of the first President of the University. So Ohio State has been a leader in the materials field from its inception.

Right after the turn of the century, the discovery of x-rays and the ability to examine the structure of crystals occurred. Now the investigation of structure at the atomic level gave all the tools necessary to identify the structure materials and relate structure to properties. As a result, from then on, the structure/properties relationship for a wide variety of materials was developed. In 1947, the development of the transistor was probably the first major success in the field of materials research and applications. Since that time, has come the development of analytical instruments and computers, largely because of the development of the transistors, which now allow us to tailor materials such as metals, ceramics, polymers, electronic materials, and composites at the atomic level

How this is done is depicted in the next transparency. I have tried to describe here, in the form of tetrahedral arrangement, the interacting between the synthesis of materials characterizing those materials by determining their properties. And the one thing that allows us to do that better today than ever before is the wide range of analytical instruments that are now available. Likewise, the existence of computing capabilities such as the supercomputer facility here at Ohio State allows us to perform theory and modeling experiments at the atomic level. We can now design materials at the atomic level and determine if they really work the way the model predicts. Of course, that leads to application -- what we use materials for, what are the required properties for that material.

This next overhead shows the overall process for the development of a material having a given set of properties for a certain application. For example, we may want mechanical strength, or specific electrical, magnetic or optical properties. These in turn are determined by the structure. The chemical structure or composition, crystal structure, and the microscopic structure in turn are determined by the fabrication processes.

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Professor Readey: (contd)

The interaction between processing, structure, and properties of materials leads to this interdisciplinary approach. It requires people from many different academic disciplines to be involved in the development and processing of new materials. In this particular viewgraph, I have tried to illustrate this in terms of three concentric circles. The outer one being the directly applied field such as: engineering, leading to applied sciences, and finally basic sciences. This cross-hatched or the gray area is the area covered by Materials Research and Applications. You can see it covers chemistry, physics, mathematics, metallurgy, ceramics, polymers, and a number of departments in engineering. As Dr. Garland pointed out, these are all academic disciplines that we have here at Ohio State -- all parts of materials research in engineering. This is one of the advantages of a large multidisciplinary university such as Ohio State.

The application of new materials generated by materials research "enables" the development of new or the improvement of old technologies. Jim gave the example of the space shuttle, here is the example of optical communications -- fiberoptics. This viewgraph shows a single glass fiber. The major breakthrough here was attaining a purity of this glass purer than semiconductive materials. As a result, one can transmit optical signals over long distances. Optical signals can transmit much more information than normal electric signals. So this single fiber essentially replaces all these copper wires in communicating or transmitting the same amount of information.

Given the importance of materials in current applications, the future applications from materials are even more important. Here is an example of laser fusion. This is an instrument at the Lawrence Livermore Laboratory in California which is -- these are laser banks here -- using lasers to generate small thermonuclear explosions which generate energy by nuclear fusion. One of the key breakthroughs was the development of laser glass. This is a piece of laser glass in one of these lasers that was developed by Owens-Illinois in Toledo. Another future application that is going to depend very strongly on the development of improved materials is another area of energy generation, also nuclear fusion using so-called magnetic confinement techniques. This is a picture of a Tokamak reactor. In order for this fusion process to operate properly, you need magnets made of high temperature superconductors. And we know now, in the last year, high temperature ceramic superconductors are possible. However, much work has to be done now in developing these into useful materials to make devices such as nuclear fusion a possibility.

I will now turn the presentation over to Dr. Epstein, who will show you some examples of new materials.

Dr. Arthur Epstein:

Thank you, Dennis. We are focusing here today on materials and their development and their impact on society. I thought it might be useful to show you some examples of new materials. It is hard to bring an entire laser fusion facility in here or bring in a space shuttle, but we thought we would focus on two kinds of

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Dr. Epstein: (contd)

classes of materials -- ceramics and plastics or polymers. They are two of the many kinds of new materials that are being studied now that have impact and an understanding of science and the development of new technologies.

Specializing to ceramics and plastics, these materials are familiar to you, you have seen them before -- ceramics are the kinds of dishes you have at home, you drop them on the floor they break, they're brittle, these are the old fashion kinds of ceramics. Old fashion kinds of plastics are the old, cheap toys you had as a child, they would fall apart, they would melt very easily. An old plastic bag -- you went to a supermarket 15 years ago and they would give you a plastic bag with a carton of milk in it. You would shutter because you knew that carton of milk was going to break right through the plastic bag and be on the floor, spilling all over the place, all over your clothes, all over your car. You hated it -- you didn't want to see anything plastic.

Well, those are the old versions. They were brittle, they were weak, they did not conduct electricity, they were insulators. I brought along several examples to show you how in these two classes of materials things are changing very rapidly. We now have new compositions that are tough, they are strong, they can now have designed into them electrical or optical functions. You are welcome to come up here afterwards and look at these. If you look at the list, unbreakable dishes are new kinds of ceramics. I didn't bring any in you, all have them at home -- your Corell dinnerware, your unbreakable mugs. You know they are tough and you're not afraid to throw them at the radiator because they are not going to break.

As we go into higher technology -- this is an example of silicon carbide, the raw mineral. It is now possible to form this raw mineral into a turbo-charged rotor, such as this. And this turbo-charged rotor is now being tested in some Buick automobiles, I believe, as a turbo-charger. It has tremendous advantages over the normal metal turbo-chargers, because it is much lighter and therefore it can turn much more rapidly -- turn it on very quickly and get a fast start.

Moving over, this is an example of a zirconia scissor, which is made up of another kind of ceramic. It has an advantage in that it doesn't wear. I can be used to make cutting blades for a newspaper plant. It would cut the newspaper print and you wouldn't have to replace them very frequently at all. The Coors Company in Colorado, now makes a ceramic hammerhead as a demonstration to show their ability to control ceramics. They have handed these out to the carpenters in the Denver area as tests. I'm not quite sure how well the tests are going, but I guess you can always use it to open a can of Coors beer if you are really desperate.

Here is an example of a new kind of electrical function. I will put a little more liquid nitrogen -- liquid air -- into it. These other ceramics are very strong and tough, but they are

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Dr. Epstein: (contd)

insulators and they do not conduct electricity. More recently we are learning how to incorporate electrical or electronic functions into ceramics. That can be of great importance. Here we have an example of new high temperature superconductors. We call them high temperature because we did get them to be superconducting by using only liquid air, which is very cheap, very inexpensive and not difficult to control. You can see right now here in the room -- what we have is a small demonstration here of a magnet which can levitate on top of the superconductor. You are welcome to come up and take a look at that. You can see it sitting on top of the magnet.

Moving on from the ceramics to the other class of materials we are going to discuss -- plastics. Plastics, as I mentioned earlier, were these very weak materials, they aged in the sunlight and turned very brittle. Here is an example of a nonbrittle plastic. If we take an Ohio State bag, you can no longer tear it so easily. You can load it up with real heavy text books from Physics and Chemistry and Engineering and it doesn't break. It's because we have learned how to control the order of the atoms in a polymer for our plastics so they are very tough and very strong.

Another example of very tough and very strong is to use some epoxy plastic reinforced with fiberglass to make a spring. And this new light weight spring is going into Corvettes. It saves about 200 to 300 pounds in the weight of the car. It also does not rust. Both of these kinds of materials do not conduct electricity. You can now also design electrical functions into plastics. I have an example of a plastic called polyacetylene which can now be made almost as conducting as copper. In fact, it is more conducting than copper on a weight basis, depending on how much it weighs. It will have applications in things such as a space shuttle or an air craft, and possibly even light weight wiring in automobiles. You can take these plastics and you can form them into sheets and these sheets will have properties for example, of modulating optical signals or optical signal processing, or also for absorbing radar -- if you want to make something invisible to radar. If you drape a cloth over a tank -- you can drape a cloth of this type of material on it and you wouldn't be able to see the tank by radar.

The Japanese have taken some of these plastics and made rechargeable batteries out of them. This type of battery made of this plastic has a greater charge in it than nickel-cadmium batteries and doesn't have the toxicity problems of cadmium. Well, those examples are there for you to look at.

In the last year or two the major national societies have issued reports concerning the future of materials and materials research. Each of these major societies which are responsible for the broad administration of science and engineering in this country, the American Chemical Society, the American Physical Society, the National Academy of Sciences, the National Academy of Engineering, and the National Research Council have all concluded that it is essential to have a thrust in materials

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Dr. Epstein: (contd)

research in this country at this time. We are on the leading edge of new materials being developed and those materials affect us -- the consumer economy and also the high technology economy.

The importance of materials is indicated in the kinds of support that goes into their research and development. These are conservative numbers for the amount of money that is spent in doing research and development in the area of materials. I limit the numbers to only the kind of upstream research that one would do at a University, or at a basic research or applied research laboratory or company. The Federal government spends on the order of about \$2 - \$3 billion a year in research in materials. That number is easily ten times larger if you talk about engineering applications and prototype production -- those are much more expensive functions. For example, it would be \$30 billion if we included making new kinds of experimental aircrafts, even larger if we threw in the entire space plane type project. But this is a very conservative number of just actually the development of the new materials themselves, rather than the prototypes. Similarly, in industry at least \$10 billion a year is for the development of the materials. If we put in the numbers for the development of the prototypes, that number is ten times larger. There is a large investment in this area. That large investment is mimicked in other countries. The Ministry for International Trade and Industry has made materials a major priority in Japan, France, Germany, and most industrial countries at this time.

What are OSU activities? The departments involved are listed here. This is the same list that Jim Garland had, so I won't repeat them. They involve most of the departments in Engineering, as well as Applied Mathematics, Physics, and Chemistry. If we total it up, there are on the order of about 80 or 85 faculty that are currently involved, with about 200-300 graduate students. In consideration of the importance of materials at this time, the rapid advances and the thrust in other organizations in this direction, we need to move in the next year to enhancing this role, integrating it, and hiring new faculty to enhance this to bring in a greater range of activities and to make this an even stronger aspect.

Let me summarize our presentation then. Materials have a major role in the development of society. We saw how materials have been key in taking man from the Stone Age to the Bronze Age, to the Iron Age, to the Steel Age; and now to the Semiconductor Electronic Age, New Materials Age. We're now talking about fiberoptics, ceramics, polymers, and plastics. These ages are even described by the kinds of materials you use and those are rapidly changing.

Materials studies are highly interdisciplinary. It requires structuring a little bit differently in that it requires people to interact; to go between synthesis, processing, experiment, using new equipment, using theory, and using applications. Materials and their processes are leading to new technologies

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Dr. Epstein: (contd)

which are showing up both in the consumer market and in terms of high technology.

And, finally, what is going on is a major national and international thrust in materials at this time. It has been recognized that it is the underpinnings of new technologies, the underpinnings of exports, the underpinnings of society, in many ways, in that there is an increased investment in this area on a world-wide basis. And, finally, The Ohio State University has a substantial base in materials. It is among the ten leading institutions in terms of the production of graduate students, the kinds of research we do here, and our leadership position. But it is also important to build on that base, to invest in it, and to increase the number of faculty in order to move forward in that area. Thank you.

Dr. Brand:

Thank you, Gentlemen. It's clear that materials research is vitally important for our national competitiveness. I take it that it was noticed when Art indicated that Japan is making a tremendous investment in this area. It is not merely basic science research that is at issue, but also the development of these applications. We want to be able to enter into the new industries that are developing. It is good for our nation to develop in these areas, and it is very good for the State of Ohio. I think that the role of Ohio State, here, is especially important.

It is also noteworthy that everyone who spoke stressed that it is a team effort between two of our strongest colleges, Engineering and Math and Physical Sciences. We have a substantial competitive advantage on the national scene, because of the strength we have across many disciplines. Here is where the scale of Ohio State really works to our favor -- our ability to cross disciplines with strength. Opportunity is upon us now. We have strength now, but the field is changing rapidly. We are looking towards making a continued major effort in this area.

Let me leave you with one thought -- and that is the Sargent Preston of the Yukon principle for academic administration: "the scenery only changes for the lead dog." Thank you.

Mr. Redman:

Thank you, Dr. Brand.

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Mr. Redman:

Let us then have the committee reports from the Development Fund Board of Directors. Mr. Kessler --

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Mr. Kessler:

Thank you, Mr. Chairman. I would like to make a brief report on the Development Fund Board meeting on March 11.

Vice President Tobin updated the Board on the progress of the Campaign. As of February 29, 1988, Campaign receipts totaled \$265 million or 76 percent of the \$350 million Campaign goal. Mr. Tobin said all indications lead him to believe that by the end of this calendar year, more than \$300 million of the \$350 million Campaign goal will have been achieved.

The Board heard a report on planning for a Campaign mass appeal and discussed at great length the alumni survey to be used as a part of a possible mass appeal effort. They also heard a report on the Columbus Campaign which has raised \$116.9 million, or 87 percent of its \$135 million goal.

The next meeting of the Development Fund Board will be Monday, June 27, at the Fawcett Center.

Mr. Redman:

Thank you, Mr. Kessler. Are there any comments or questions? If not we will move to the Research Foundation Board of Directors, Mr. Barone ---

Mr. Barone:

Thank you, Mr. Chairman. The Research Foundation met last in February for which I gave a report and a written report was entered. However, the contract between Children's Hospital and the Research Foundation was finalized at that time and Mr. Thompson gave a full report on the contents of that contract between Children's Hospital and the Research Foundation today. Our next meeting will be in June.

Mr. Redman:

O.K. Any comment? Thank you, Mr. Barone. We would like to hear from the University Hospitals Board.

Mrs. Bowser:

The Hospitals Board Executive Committee met in joint session with its Strategic Planning Committee on March 31. The members present received the Touche-Ross Management Letter and reviewed recommendations from the audit firm on improvements in the various systems. I think the University Trustees already received that letter in their packet of material. We reviewed the Administration's response to the recommendation and the Board asked for an update in September on the implementation of the changes. There were no major areas of loss or deficiencies.

The Strategic Planning updates were given by Dr. St. Pierre, Dr. Tzagournis, and Mr. Covert relative to the drafts of the College of Medicine and Hospitals portion of the Strategic Plan. Each

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Mrs. Bowser: (contd)

individual highlighted recommendations for change from their constituent groups.

It was pointed out that one area of concurrence still needing to be finalized among faculty is a consensus on Centers of Emphasis. Both the College of Medicine Executive Committee and the Strategic Planning Committee will meet to finalize recommended changes in the plan so that the total plan can be presented to the President in the next few weeks. And then the President will take the steps to present it to the Board of Trustees. Both the College of Medicine and the University Hospitals Board has been working on the strategic plan for some time and they are right down now to -- and I think Centers of Emphasis were finalized yesterday, as far as the College of Medicine was concerned.

Following the Strategic Planning session, a review of operating statistics and monthly analysis of financial performance took place. The Board was also briefed on the growth of the University Alternative Health Plan by representatives from Mr. Scott's office. The Plan represents approximately two percent of the Hospitals' total business. It was an excellent summary. Congratulations are in order for both Mr. Scott and Dr. Tzagournis in the development of this program and the meeting of service needs. To date over 9,000 employees participate in the University's PPO.

The Hospitals Board reviewed the medical staff's "Do Not Resuscitate" policy as well as guidelines for the termination of life support systems. This issue has been of major interest to the Board and I believe Dr. Mekhjian and the Medical Staff Administrative Committee are to be commended for the development of guidelines in this most sensitive area.

Lastly, the Board had an opportunity to visit briefly with Dr. David Schuller, the new Medical Director for the Cancer Hospital. He shared some of his thoughts as he approached this particular position, and we look forward to his leadership in the development of our total cancer program at The Ohio State University Hospitals.

That is my report.

Mr. Redman:

Thank you, Mrs. Bowser. I had a couple of questions. One with regard to the financial report, did we get that?

Mrs. Bowser:

The Hospitals portion of that?

Mr. Redman:

Hospitals.

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Mrs. Bowser:

I think we did when we met with the auditors last month.

Mr. Redman:

Can you, off the top of your head, tell me how our occupancy is?

Mrs. Bowser:

Well, I think, Mr. Covert --

Mr. Covert:

Our occupancy in terms of the open beds that we have at this point, Mr. Chairman, is 79 percent. Between 79 and 85, depending upon the day of the week.

Mr. Redman:

Are we going up or are we going down?

Mr. Covert:

No. In terms of admissions we are holding pretty much to what we expected this year. We, as you know, budgeted for approximately 28,650 or so admissions and we are ahead of that this year. We see ourselves being down in terms of our length of stay; where we had been at 8.2 days on the average, per patient stay now is someplace in the neighborhood of 7.7 to 7.9 days. So, our admissions are holding firm in Columbus and outside Columbus, but the length of time that people are in is shorter and that is what we are seeing nationally. That is pretty typical for hospitals not only in the area, but the country.

Mr. Redman:

Thank you. My second question, Mrs. Bowser, was about what I read in the newspaper about the helicopter. What is the latest withdrawal by one of our partners in that --

Mrs. Bowser:

Several of our partners, but Mr. Covert is our in-house authority on helicopters, let him --

Mr. Covert:

Approximately one month ago we had received an indication from St. Anthony's, I believe, that they were going to at least temporarily, if not permanently, pull out of the Consortium activity. They would continue to utilize the services of the sky and helicopter service specifically and would continue to contract to do that. Several weeks ago we received the same indication from Mt. Carmel. They would continue to contract and utilize the service, but as an investment in and of itself, they were not prepared to do that. Following that, we had a discussion with one hospital locally and several other groups

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Mr. Covert: (contd)

that are reshoving their interest in establishing a consortium. Cleveland and Cincinnati are also interested in being investors in that activity. It would be a consortium or network of helicopters and there are other hospitals that either own or operate helicopters services presently.

Mr. Redman:

Would that mean that they would participate in the operation at Ohio State or are you just going to ban together for administration?

Mr. Covert:

No, we would ban together at this point in some form of affiliation. We are looking at it from two standpoints -- from a financial standpoint, obviously, but at the same time from a care and a backup standpoint. You may not be aware of it, but at this time we do serve as backup for the University of Kentucky, as they also serve as backup for us. We also serve as a backup for Miami Valley, Dayton, and Cleveland Metro Life Flight out of Cleveland. We have had negotiations with the University of Cincinnati, as they are involved in their own helicopter service out there -- it's certainly a backup for each other. I anticipate that deal will be finalized.

Mr. Redman:

How are we doing on that financially?

Mr. Covert:

The helicopter service in and of itself is a loss at this point in time. That was expected to be the case. As you know, as we indicated, in terms of its direct operation, this would not be a money making --

Mr. Redman:

Well, we anticipated that when we entered the program, but the loss of our partners, I think, would bring into question whether the loss is beyond reasonable expectation.

Mr. Covert:

The additional loss, if that is the question you are asking, that will incur as a result of that is approximately \$500,000 to \$600,000 --

Mr. Redman:

A year?

Mr. Covert:

A year. The reason that I say that is that it really depends on the volume of flights. Our volume of flights has increased

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Mr. Covert: (contd)

tremendously. We had projected some 350 flights for the year. Within a little less than five months operation at this point, we are almost at 300 flights. We are now projecting, as we have revised our estimates as we go into the busy months of the year, that we may end up having over 600 flights. Now that can make a difference, obviously, in terms of revenues being generated that support the program directly. We will have more of a report for you probably in another month, as we complete our six month activity.

Mr. Redman:

In other words, you don't think this is an exercise in futility.

Mr. Covert:

No, Sir.

Mr. Kessler:

I have a question. If you have a consortium of financial partners, I assume that is a contract. How do they just drop out after they enter into it?

Mr. Covert:

Well, we -- obviously they decided at that point in time that they were willing to lose their investment that they had made up to that point. They will simply not belong any longer as an investor.

Mr. Kessler:

But, there is no penalty, there is no --

President Jennings:

They have lost their investment.

Mr. Covert:

They have lost their investment, the extended investment at that point in time.

Mr. Kessler:

And there is no money to pay back to either of those two institutions?

Mr. Covert:

That is correct.

Mr. Teaford:

Am I right that we are the only ones left?

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Mr. Covert:

That is correct. Technically, if you would call it, we are a consortium in terms of having affiliations, in terms of consortium of investors --

Mr. Kessler:

How much did they lose when they pulled out?

Mr. Covert:

I'll just give you my approximates at this point -- for each one, probably in the neighborhood of \$400,000 to \$600,000.

Mr. Redman:

That's for three.

Mr. Covert:

That is for each, that is correct. That is a conscious decision, obviously, that they made to continue or not --

Mr. Kessler:

That investment was to buy the helicopter or what?

Mr. Covert:

No, it was the investment that each hospital had to put in on the front end.

Mr. Kessler:

Where did that money go?

Mr. Covert:

O.K. That money is still there supporting the program, but they will not --

President Jennings:

It's a leased aircraft.

Mr. Covert:

The penalty is that they will not get any money back that they invested.

Mr. Kessler:

So they kissed-off that much money. Thank you.

April 7 and 8, 1988 meeting, Board of Trustees

Mrs. Bowser:

And you can see their reason. They are faced with lots of cut-backs, too. And they can still use it, but they don't have to put the investment in.

Mr. Covert:

When we first went into it, OSU represented some 50% of the flights. After we got into it more, because we have a very extensive network external to Columbus, we represented over 80% of the flights.

Mr. Redman:

Any other questions, Mr. Kessler?

Mr. Kessler:

Thank you. That answers my question, Mr. Chairman.

Mr. Redman:

My last question is when -- do we have a target date for opening the Cancer Hospital?

Dr. Tzagournis:

December of 1988.

Mr. Redman:

And that would be on a partial basis, Dr. Tzagournis?

Dr. Tzagournis:

Yes. They will be phased in over approximately three months.

Mrs. Bowser:

The contractor is suppose to turn it over to the University in August and then the University has to do their thing.

Mr. Jackson:

I might add that I think the contractor's delivery date is optimistic.

Mrs. Bowser:

That is standard operating procedure.

Mr. Jackson:

I still think that the end of the year, as Dr. Tzagournis has said, is the appropriate time.

April 7 and 8, 1988 meeting, Board of Trustees

Mr. Redman:

Thank you, Mrs. Bowser. Are there any other questions?

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APPROVAL OF DIVISIONAL STATUS

Resolution No. 88-103

Synopsis: A proposal to restructure the Speech and Hearing Science Section into the Division of Speech and Hearing Science is proposed.

WHEREAS the Council on Academic Affairs, the Dean of the College of Social and Behavioral Sciences, and the faculty of the Department of Communication have approved divisional status for the Speech and Hearing Science Section of the Department of Communication; and

WHEREAS the Speech and Hearing Science Section meets the qualitative requirements for divisional status as specified in Rule 3335-5-34 of the Administrative Code; and

WHEREAS divisional status would formalize the current administrative and organizational procedures of the Speech and Hearing Science Section; and

WHEREAS divisional status would make Speech and Hearing Science more competitive in recruiting quality students, attracting and retaining faculty and grant monies; and

WHEREAS the proposed divisional status for the Speech and Hearing Science Section has been approved by the University Senate at its March 5, 1988 meeting:

NOW THEREFORE

BE IT RESOLVED, That the restructuring of the Speech and Hearing Science Section into the Division of Speech and Hearing Science is hereby approved.

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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AMENDMENTS TO THE RULES OF THE UNIVERSITY FACULTY

Resolution No. 88-104

Synopsis: Amendments to rule 3335-47-01 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 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 March 5, 1988, as follows:

AMENDMENTS TO THE RULES OF THE UNIVERSITY FACULTY (contd)

AMENDED RULE

3335-47-01 General considerations.

- (A) The faculty is primarily responsible for initiating recommendations involving faculty appointments, reappointments, nonrenewal, and dismissal. The faculty also has a strong voice in the appointment and evaluation of department chairpersons, deans, and other academic administrative officers. Although the faculty plays a fundamental role in these matters, the final authority for the decision is lodged in the board of trustees or delegated by it to the president, the vice president for academic affairs and provost, or other academic administrative officer. The board or its delegate will give serious consideration to faculty peer recommendations. Faculty recommendations will be accepted unless they are not supported by the evidence presented regarding how the candidate meets published university criteria as set forth in faculty rule 3335-47-02 of the Administrative Code or unless the recommendations are unacceptable for other compelling reasons. When the decision of the board or its delegate departs from the faculty recommendation, the reasons for the departure will be communicated to the faculty group which made the recommendation.
- (B) Nominations for promotion and/or tenure originate in the department or appropriate academic unit in accordance with the procedures established by the unit. The recommendation must provide a comprehensive assessment of the candidate's qualifications, together with detailed evidence to support the nomination. It must also include information about the nature and extent of consultation on the matter within the academic unit and must present any significant evidence and differences of opinion which would support a contrary recommendation. Nominations will subsequently be considered by the college, and if favorable concurrence is obtained, the dean will forward the nomination, along with the dean's assessment and recommendation, to the vice president for academic affairs and provost. Recommendations are subject to the approval of the vice president for academic affairs and provost, the president, and the board of trustees.
- (C) No teacher attains tenure automatically. It may be acquired either in the original appointment to the regular faculty rank of professor, upon promotion from within the university to the rank of associate professor, or following a probationary period (as specified in rule 3335-47-09 of the Administrative Code). The granting of tenure requires the recommendation of the dean of the college after consultation with the chairperson of the applicable department, with the concurrence of the dean of the graduate school, the vice president for academic affairs and provost, the president, and the board of trustees.
- (D) When some of the nominations from a college involve the granting of tenure, the dean should provide a statement showing how the proposed actions will affect the long-range staffing pattern of the department and of the college, taking into consideration expected attrition, budgetary limitations, the need for flexibility, and the effect on that fraction of the faculty already tenured.

April 7 and 8, 1988 meeting, Board of Trustees

AMENDMENTS TO THE RULES OF THE UNIVERSITY FACULTY (contd)

- (E) Recommendations for promotion and/or tenure should be based on the merit of the individual, on a consideration of comparable achievement in the faculty member's own field or in closely related fields and on the judicious use of the fiscal resources of the department and college. Whenever possible, consideration should be given to how the nominee stands in relation to other people in the same field outside of the university who might be considered alternative candidates for the position. All available evidence should be considered and it is the responsibility of the academic units to provide complete documentation.
- (F) In accordance with a policy of equality of opportunity, decisions concerning appointment, promotion, and tenure are based on the following criteria without discrimination as to race, creed, religion, national origin, age, sex, handicap, or Vietnam-era veteran status.

NOW THEREFORE

BE IT RESOLVED, That the foregoing amendments to the Rules of the University Faculty be adopted as recommended by the University Senate.

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

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AMENDMENTS TO THE UNIVERSITY HOSPITALS BOARD BYLAWS

Resolution No. 88-105

Synopsis: Amendments to rule 3335-101-07 of the University Hospitals Board Bylaws are proposed.

WHEREAS The Ohio State University Hospitals Board pursuant to Bylaw 3335-103-01 of the University Hospitals Board Bylaws is authorized to recommend to the Board of Trustees the adoption of amendments to the University Hospitals Board Bylaws; and

WHEREAS the proposed changes to the University Hospitals Board Bylaws were approved at the University Hospitals Board meeting on February 25, 1988, as follows:

AMENDED BYLAW

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 school and the vice president for health services. 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

April 7 and 8, 1988 meeting, Board of Trustees

AMENDMENTS TO THE UNIVERSITY HOSPITALS BOARD BYLAWS (contd)

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 and shall appoint a medical director who reports to the dean and to the board. In matters relating to medical care in the hospitals, members of the clinical departments of the hospitals are accountable to the clinical chiefs, who are accountable to the medical director, who is accountable to the dean and to the board. The dean in this capacity is accountable directly to the vice president for health services and to the board. If one individual holds both the dean and vice president position, the medical director will serve as the chief medical officer in the hospital.

NOW THEREFORE

BE IT RESOLVED, That the foregoing amendments to the University Hospitals Board Bylaws be adopted as recommended by the University Hospitals Board.

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

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PERSONNEL ACTIONS

Resolution No. 88-106

RESOLVED, That the personnel actions as recorded in the Personnel Budget Records of the University since the March 4, 1988 meeting of the Board, including the following Appointment of Chairpersons of Departments, Reappointment of Chairpersons of Departments, Leaves of Absence Without Salary, Professional Improvement Leaves--Change of Dates, and Emeritus Titles as detailed in the University Budget be approved, and the Medical Staff Appointments approved February 25, 1988, by the Hospitals Board be ratified.

Appointment of Chairpersons of Departments

April 1, 1988 through June 30, 1990

Veterinary Anatomy

James R. Blakeslee, Jr.

October 1, 1988 through September 30, 1992

East Asian Languages and Literatures

Shigeru Miyagawa

April 7 and 8, 1988 meeting, Board of Trustees

RESOLUTIONS IN MEMORIAM

Resolution No. 88-107

Synopsis: Resolutions honoring the service of six 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.

Raymond E. Cray

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on February 6, 1988, of Raymond E. Cray, Professor Emeritus in the Department of Poultry Science.

Professor Cray was born on August 13, 1900, in Stockton, New Jersey, and lived during his early years on the family poultry farm. He received the B.S. in Agriculture degree from Rutgers University in 1922. Following graduation, he was employed by the New Jersey Agricultural College as an assistant poultry extension specialist until 1924 when he was appointed as a poultry extension specialist at The Ohio State University. During the period from 1924 to 1942, Professor Cray fostered the formation, organization and development of cooperative egg marketing programs in Ohio that provided market outlets for many of Ohio's egg producers. He was also involved in projects that led to the formation of The Ohio Poultry Improvement Association to control disease and provide a basis for using genetics in the selective breeding of poultry. He also received a M.S. degree from The Ohio State University in 1930.

From 1942 to 1949, Mr. Cray was employed by the Ralston Purina Company to establish egg marketing programs in several other states. Parallel work was undertaken for marketing programs in broiler and duck growing. In 1949, he returned to The Ohio State University to teach and conduct research in poultry marketing.

Professor Cray published a variety of extension, industry and scientific articles on poultry, egg and meat marketing. From 1957 to 1963, Professor Cray served with The Ohio State University's Agency for International Development Project at the Punjam Agricultural University in India to establish and upgrade poultry science activities at this institution. He returned to The Ohio State University in 1963 in an administrative capacity for the Agency for International Development Programs in Brazil and India. Professor Cray retired in 1966 and was named Professor Emeritus.

Professor Cray was a member of The Poultry Science Association, American Agricultural Economics Association, American Marketing Association, OSU Faculty Club, Alpha Zeta, Gamma Sigma Delta, AAUP, and Kappa Sigma.

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy. 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.

April 7 and 8, 1988 meeting, Board of Trustees

RESOLUTIONS IN MEMORIAM (contd)

R. Frank Donley

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on February 3, 1988, of R. Frank Donley, Instructor Emeritus in the Department of Obstetrics and Gynecology.

Dr. Frank Donley was born in August 1910, in Columbus, Ohio, and practiced medicine for many years in this city. He was one of Columbus' most distinguished obstetricians, and taught several generations of obstetricians and gynecologists. He did his pre-med education at the University of Dayton and the University of Cincinnati, graduating from medical school in 1935. Following that he was an intern at St. Elizabeth Hospital in Dayton (1934-35), a resident in obstetrics and gynecology at St. Ann's Hospital in Cleveland (1935-36), and at Mt. Carmel in Columbus (1936-37). He was a dedicated teacher, and taught for 12 years at the Mt. Carmel School of Nursing. He was a member of the American College of Obstetrics and Gynecology, and prior to 20 years of military service, practiced general medicine for three years. Dr. Donley gave more than 20 years of his life to The Ohio State University as a clinical instructor, and for the past 10 years was a dedicated part-time instructor in the Department of Obstetrics and Gynecology. He taught many residents and medical students during this period of time, and was considered one of the deans of obstetrics in this city. Upon his retirement in 1981, he was named Instructor Emeritus.

We have great appreciation and admiration for this man who was a gentleman, a scholar and a master clinician. He will be remembered for the contributions and the unselfishness that he gave of himself during his lifetime to the practice of exemplary health care for women in Columbus, Ohio.

On behalf of the university community, the Board of Trustees and the Department of Obstetrics and Gynecology expresses to the family its deep sympathy. 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.

Mars G. Fontana

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on February 29, 1988, of Mars G. Fontana, Professor Emeritus in the Department of Metallurgical Engineering.

Dr. Fontana received his B.S. in 1931 from the University of Michigan and then continued graduate study there in Chemical Engineering. In 1934, after completing his doctoral research, he accepted a position at the DuPont Company in Wilmington, Delaware. For the next 53 years, Mars Fontana gave his productive mind, body, and spirit to the advancement of the science and engineering of materials developments and the prevention of corrosion and material failures in engineering systems. The first nine of those years were spent at DuPont; the next thirty at The Ohio State University; and the last fourteen as a senior adviser, writer, and lecturer.

April 7 and 8, 1988 meeting, Board of Trustees

RESOLUTIONS IN MEMORIAM (contd)

Mars G. Fontana (contd)

Mars Fontana carefully studied the mechanisms of the interactions of water, harsh chemicals, and stresses on metallic alloys. At DuPont, his science and engineering talents merged as he framed the mechanisms of corrosive attack and designed alloys, inhibitors, coatings, and electrolytic protection systems to prevent failures in production plant systems. These efforts led to his famous definition of "The Eight Forms of Corrosion." At The Ohio State University, he created a Corrosion Research Center and organized and led the Department of Metallurgical Engineering that put Ohio State in the forefront of materials research and corrosion science. Dr. Fontana is widely recognized as the "Father of Modern Corrosion Science and Engineering."

In his role as Department Chairman, he recruited and nurtured young faculty members, he led efforts to obtain funds for new laboratories, and he took an active part in the administration of the College of Engineering and in the faculty governance of the University. In the latter regard, he served as a member of the Faculty Council and as an effective senior faculty adviser during many University crises. By the time of his retirement in 1975, he had presented most of the important international lectures in his field and he had been named a Regents' Professor; a member of the National Academy of Engineering; a Fellow of all of the technical societies in his field; and had been named Professor Emeritus.

In 1981, the Board of Trustees officially renamed the building that he had worked so hard to create the, "Mars G. Fontana Laboratories." Other responsibilities and honors fell on him over the years. He was particularly proud of his honorary doctorate from Michigan and his honorary membership in the American Society for Metals. Just two years ago, he was the first recipient of the Outstanding Educator Award of The Metallurgical Society of AIME.

Mars Fontana, the teacher, changed the lives of all the students in his classes. He emphasized good analysis, clear and concise presentations, and simplicity wherever possible. In his consulting work and later industrial leadership as a director at Worthington Industries, he was famous for his ability to find the key to a complex problem, to identify the critical concerns, and to propose practical and successful courses of action. He passed that on to his students during his entire teaching career. His book, Corrosion Engineering, used throughout the world as the definitive engineering textbook on corrosion, emphasizes clear thinking and conciseness.

In Mars Fontana's life, responding to a sophomore student with a question was just as important as meeting a visiting dignitary. He was always open to questions and new ideas. He was very accessible and available to young people. He treated everyone with respect. He was generous with his own funds in many ways. Quietly he helped students and friends over rough spots. His generosity, along with that of his colleagues, friends and family, led to the endowment of the Mars G. Fontana Professorship. Earlier, a scholarship fund was created in his name.

The Department of Metallurgical Engineering and the Fontana Corrosion Center at The Ohio State University, its faculty, and its students are

April 7 and 8, 1988 meeting, Board of Trustees

RESOLUTIONS IN MEMORIAM (contd)

Mars G. Fontana (contd)

deeply indebted to his creative efforts. All of the companies for whom he consulted and the men and women who run them were enriched by the advice of Mars Fontana. The quality of public higher education is better because of his dedication to the pursuit of excellence in teaching, research, and public service.

On behalf of the University, the Board of Trustees wishes to express its deep sympathy to Mars Fontana's wife, Betty, and his children Martha, Mary, Elizabeth, David, and Thomas and their spouses, his beloved grandchildren, and his brother and sister. 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.

Gerald H. Goedde

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on January 1, 1988, of Gerald H. Goedde, Instructor Emeritus in the Cooperative Extension Service.

Mr. Goedde was born on April 5, 1923, in Ottawa, Ohio. He received his B.S. in Dairy Science from The Ohio State University in 1950; then spent two years as Farm Manager in Lapeer, Michigan; two years as Fieldman for The Nestle Company, Marysville, Ohio; and eleven years as Field Supervisor and Technician for Central Ohio Breeding Association in Columbus, Ohio.

Mr. Goedde began his Extension experience when he joined the faculty at The Ohio State University in 1965 as a County Extension Agent, 4-H in Miami County. In 1970, he became the Country Agricultural Agent in Miami County and continued in this position until his retirement in 1985. Upon his retirement, he was named Instructor Emeritus. Mr. Goedde was respected by his peers and associates throughout the State as he worked to provide excellent Extension educational programs for the citizens in his county.

On behalf of the University community, the Board of Trustees expresses its sympathy and understanding to the family of Mr. Goedde. 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 A. Popham

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on February 3, 1988, of Richard A. Popham, Professor Emeritus in the Department of Botany.

Richard A. Popham was born September 29, 1913, in Charleston, Illinois. He received a bachelor's degree from Eastern Illinois University in 1936, a master's degree from The Ohio State University in 1937, and a doctorate from The Ohio State University in 1940. He retired in 1980, after

April 7 and 8, 1988 meeting, Board of Trustees

RESOLUTIONS IN MEMORIAM (contd)

Richard A. Popham (contd)

serving on the faculty since 1940. He was on leave for four years during World War II on civilian service. Returning to The Ohio State University in 1946 as Assistant Professor, he became Associate Professor in 1950, and full Professor in 1968. In 1982, he was given the title Professor Emeritus.

Professor Popham specialized in the study of developmental plant anatomy. His teaching induced him to write two texts for plant anatomy students: Developmental Plant Anatomy (1952) and Laboratory Manual For Plant Anatomy (1966). He taught the beginning botany course every year, and supervised that course from 1965 to 1969.

Richard Popham's research, which resulted in over 40 papers published in scientific journals, was mainly concerned with plant growth and the factors affecting plant development. He served as a consultant to the Battelle Memorial Institute (1958-1969), and as Research Collaborator for the Brookhaven National Laboratory (1964-1980). He directed 9 students through their masters degrees, and 4 students through their doctorates.

Richard A. Popham was strongly committed to service. He was a member and long-time treasurer (1937-1980) of the Ohio State Chapter of Gamma Alpha Graduate Fraternity, which he also served as national treasurer and president. He served Ohio State and its students on the Ohio Staters (1956-1969; 1976-1980). In 1962, he was made a faculty member of the student Sphinx Honorary Society, and in 1966 he received the Alfred J. Wright Student Leaders Award for guidance and counsel of students. He belonged to numerous professional societies, and was particularly active in two. In the Ohio Academy of Science, he served for many years on its Council, was the Business Manager of its Journal (1949-1963), and was its President (1965-1966). In the Botanical Society of America, he was the Business Manager of its journal, the American Journal of Botany (1972-1981).

Many honors came to Richard A. Popham. He was elected Fellow of the American Association for the Advancement of Science (1940) and the Ohio Academy of Science (1944). He was elected a member of a number of honorary societies: Kappa Delta Pi (education); Phi Epsilon Phi (botany); Gamma Sigma Delta (agriculture); and the Society of the Sigma Xi (scientific research). In 1982, he was awarded the Certificate of Merit of the Botanical Society of America, given to only a few botanists for outstanding contributions to their profession. Richard Allen Popham will be remembered as an outstanding teacher and scientist who was fully dedicated to excellence in both.

On behalf of the University, the Board of Trustees expresses its deep sympathy. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the estate of Richard A. Popham as an expression of the Board's heartfelt sympathy.

April 7 and 8, 1988 meeting, Board of Trustees

RESOLUTIONS IN MEMORIAM (contd)

Ted R. Robinson

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on January 25, 1988, of Ted R. Robinson, Associate Vice President Emeritus, Regional Campuses - Administration.

Born on July 4, 1930, Dr. Robinson was a graduate of Iowa State University where he received the M.S. degree in 1959 and the Ph.D. degree in 1964. He served as the Assistant Dean of Students at Iowa State University from 1958-1964. Dr. Robinson was appointed as Associate Director of Admissions at The Ohio State University in 1964, and was named Director of Admissions in 1966. In 1968, he was appointed Associate Professor with tenure, Agricultural Education. He served as Vice President for Student Affairs from 1970-1973. In 1973, he became Assistant Vice President for Regional Campuses and from 1983-1985 he served as Associate Vice President for Academic Affairs (Regional Campuses). In 1985, he retired from the University as Associate Vice President Emeritus, Regional Campuses - Administration.

He served as the corporate representative from Ohio for the American College Testing Program from 1978-85 and was a member of the Board of Trustees of the American College Testing Program from 1984-87. He was president-elect of The Ohio State University Retirees Association.

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy and sense of understanding in their 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.

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

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REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS

Resolution No. 88-108

Synopsis: The reports on contracts, grants, and gifts and the summary for February 1988 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 agreement between The Ohio State University and The Ohio State University Research Foundation for the

April 7 and 8, 1988 meeting, Board of Trustees

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

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 1988 be approved.

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

SUMMARY FOR FEBRUARY 1988

Source	No. of Projects	Support Level
The Ohio State University Research Foundation	91	\$5,091,013.50
Engineering Experiment Station	53	\$ 195,970.00
Total	144	\$5,286,983.50
The Ohio State University Development Fund		
Establishment of Named Funds		
The Abba G. Lichtenstein Fund in Civil Engineering (Enhance the educational and research interests)		\$ 80,000.00
The Farm Income Enhancement Program Fund (Create an endowed chair in the Department of Agricultural Economics and Rural Sociology)		\$ 60,000.00
The Robert J. Kane Lecture Fund in English Studies (Fund an annual lecture)		\$ 42,839.00
Gertrude Kuehefuhs Piano Accompanists Endowment Fund (Scholarships, assistantships or grants - School of Music)		\$ 32,000.00
The Dairy Science Chair in Lactational Physiology and Mammary Health (Provide salary and program support of a distinguished teacher and scholar)		\$ 25,000.00
The Ohio State University Staff Career Development Fund (Provide staff members with grants for education, training and professional development)		\$ 15,000.00
The Stark County Alumni Scholars Program (Scholarships)		\$ 15,000.00
The Paul G. Korn and Gary B. Korn Scholarship Fund (Scholarships - food technology)		\$ 10,000.00

April 7 and 8, 1988 meeting, Board of Trustees

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

SUMMARY FOR FEBRUARY 1988 (contd)

The Ohio State University Development Fund (contd)

Change of Name and Description of Named Funds

From: Department of Family Resource Management Endowment Fund
To: The Jean S. Bowers/Fern E. Hunt Fellowship Fund

From: Mervin G. Smith International Scholarship Fund in
Agriculture
To: Mervin G. Smith Student and Faculty Fund in International
Agriculture

Change in Description of Named Fund

The Admissions and Allocations Fund

April 7 and 8, 1988 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION

Report - February 1988

Federal Research Contracts/Grants

\$458,600.00 - Department of Energy, Argonne, Illinois, High Energy Physics, Department of Physics (High Energy Physics Group: S. Durkin, H. P. Kagan, R. D. Kass, K. D. Lane, T. Y. Ling, A. J. Niemi, W. F. Palmer, S. S. Pinsky, N. W. Reay, K. Reibel, T. A. Romanowski, J. Shigemitsu, R. A. Sidwell, N. R. Stanton, G. Steigman, K. Tanaka, and W. W. Wada), 1 January 1988 through 30 April 1988. (Project 762116 - Continuation)

\$277,044.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Biochemistry of Natural Products, Biotechnology Programs (P. E. Kolattukudy), 1 April 1988 through 31 December 1988. (Project 766224 - Continuation)

\$265,916.00 - National Science Foundation, Washington, D.C., Mathematics and Science Teachers -- Training for Leadership, Department of Mathematics (A. E. Ross and G. Woods), 1 January 1988 through 30 September 1989. (Project 766580 - New)

\$134,109.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Neuro-modulators in Cerebellar Circuitry, Department of Anatomy (G. A. Bishop), 1 March 1988 through 28 February 1989. (Project 763013 - Continuation)

\$131,320.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Genetic and Molecular Studies of RNA Splicing, Department of Molecular Genetics (P. S. Perlman), 1 March 1988 through 30 November 1988. (Project 763452 - Continuation)

\$122,773.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Site Specific Modification of Human Cellular DNA, Department of Physiological Chemistry and Comprehensive Cancer Center (G. E. Milo), 31 January 1988 through 30 January 1989. (Project 765728 - Continuation)

\$122,072.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Interaction of DNA Topoisomerases with Chromatin, Department of Molecular Genetics (M. T. Muller), 1 April 1988 through 31 December 1988. (Project 763392 - Continuation)

\$121,837.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Hypo-cholesterolemic Agents: Stereochemical Studies, College of Pharmacy (D. T. Witiak and D. R. Feller) and Department of Pathology (H. A. I. Newman), 1 December 1987 through 30 November 1988. (Project 764517 - Continuation)

\$117,626.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, A 60 Kilodalton (Kd) Oncofetal Protein Associated with Carcinogenesis,

April 7 and 8, 1988 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

Department of Physiological Chemistry (T. E. Webb), 1 February 1988 through 31 January 1989. (Project 765588 - Continuation)

\$111,925.00 - Department of Health and Human Services, Public Health Service, Health Resources and Services Administration, Rockville, Maryland, Health Careers Opportunity Program, School of Allied Medical Professions (S. L. Wilson), 1 September 1988 through 31 August 1989. (Project 766127 - Continuation)

\$109,000.00 - Department of the Army, Army Materiel Command, Fort Monmouth, New Jersey, Computer-Communication Protocols for ISDNs (Integrated Services Digital Networks), Department of Computer and Information Science (M. T. Liu), 1 March 1988 through 31 December 1988. (Project 766613 - New)

\$101,703.00 - Department of Health and Human Services, Public Health Service, Alcohol, Drug Abuse, and Mental Health Administration, Rockville, Maryland, Ethanol Disturbance of Gastrointestinal Nervous System, Department of Physiology (J. D. Wood), 1 February 1988 through 31 January 1989. (Project 765885 - Continuation)

\$100,186.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Biochemistry of Craniofacial Epithelial Differentiation, Diagnostic Services (C. F. Shuler), 1 February 1988 through 31 January 1989. (Project 765236 - Continuation)

\$99,998.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, A Theoretical and Experimental Study of Weld Solidification Under Transient Conditions, Department of Welding Engineering (W. A. Baeslack, III), 16 December 1987 through 15 December 1988. (Project 764095 - Continuation)

\$97,812.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Structure, Function, and Dynamics of P-450 Cytochromes, College of Pharmacy (S. D. Black), 1 February 1988 through 31 January 1989. (Project 766583 - New)

\$97,700.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Targeting of Organellar Protein Synthesis Factors, Department of Biochemistry (C. A. Breitenberger), 1 February 1988 through 31 January 1989. (Project 766576 - New)

\$92,129.00 - Department of Education, Office of Special Education and Rehabilitation Services, Washington, D.C., Handicapped Personnel Preparation -- Preparation of Special Educators, School of Health, Physical Education and Recreation (W. F. Ersing), 1 July 1988 through 30 June 1989. (Project 765519 - Continuation)

\$91,161.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Regulation of

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

the Gene Expression in Neurospora, Department of Biochemistry (G. A. Marzluf), 1 April 1988 through 31 December 1988. (Project 760578 - Continuation)

\$89,434.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, The Gustatory System: Cellular and Synaptic Organization, Oral Biology (M. C. Whitehead), 1 February 1988 through 31 January 1989. (Project 766592 - New)

\$81,038.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Mechanism of GI Motor Disturbances in Enteric Parasitism, Department of Physiology (J. M. Palmer), 1 February 1988 through 31 January 1989. (Project 766590 - New)

\$74,369.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, The Neural Control of Temperature Regulations, Department of Physiology (J. A. Boulant), 1 March 1988 through 30 November 1988. (Project 761187 - Continuation)

\$68,400.00 - National Science Foundation, Washington, D.C., Experimental Study of Metal Films, Department of Physics (T. R. Lemberger), 1 March 1988 through 31 August 1989. (Project 765249 - Continuation)

\$65,409.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, Resonant Region NCTR Research, Department of Electrical Engineering, ElectroScience Laboratory (E. K. Walton, R. L. Moses and F. D. Garber), 1 February 1988 through 30 September 1988. (Project 765216 - Continuation)

\$63,800.00 - National Science Foundation, Washington, D.C., Uptake and Metabolism of Select Amino Acids by Cerebral Cortical Cells In Vitro, Oral Biology (W. E. Thomas), 1 March 1988 through 28 February 1989. (Project 766621 - New)

\$62,264.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Intestinal Bypass Surgery in Hibernation, Department of Physiology (H. J. Cooke), 1 January 1988 through 31 December 1988. (Project 765844 - Continuation)

\$53,009.00 - Department of the Air Force, Air Force Systems Command, Wright-Patterson Air Force Base, Ohio, UTD Scattering from Structures Including Higher Order Terms, Department of Electrical Engineering, ElectroScience Laboratory (R. J. Marhefka), 1 October 1987 through 14 April 1989. (Project 765374 - Continuation)

\$52,800.00 - National Science Foundation, Washington, D.C., Superconductive Glass State and Other Properties of Granular Materials, Department of Physics (D. G. Stroud), 1 December 1987 through 31 March 1989. (Project 766614 - 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)

\$50,000.00 - Department of Energy, Argonne, Illinois, Geochemistry of Small Tundra Drainage Basins in Response to Active Layer Disturbance, Byrd Polar Research Center and Department of Agronomy (K. R. Everett), 1 January 1988 through 31 December 1988. (Project 764231 - Continuation)

\$49,969.00 - National Aeronautics and Space Administration, Lewis Research Center, Cleveland, Ohio, Multi-Layer Film Deposition for High Tc (Transition Temperatures) Superconductors, Department of Electrical Engineering (G. J. Valco), 30 January 1988 through 29 January 1989. (Project 766577 - New)

\$49,246.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Mechanisms of Mercury Toxicity and Carcinogenicity in Human Cells, Department of Microbiology and Immunology (M. V. Williams), 1 February 1988 through 31 January 1989. (Project 766606 - New)

\$48,834.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Multiple Hydrogen Bonding-Nucleic Acid Bases, Department of Chemistry (J. Hine and D. W. Meek), 1 March 1988 through 30 November 1988. (Project 763904 - Continuation)

\$47,000.00 - National Science Foundation, Washington, D.C., Noise-Induced Turbulence in Superfluid Helium, Department of Physics (J. T. Tough), 1 May 1988 through 31 October 1989. (Project 766036 - Continuation)

\$44,900.00 - National Science Foundation, Washington, D.C., Topics in the Foundations of Mathematics, Department of Mathematics (H. Friedman), 1 July 1988 through 31 December 1989. (Project 765466 - Continuation)

\$41,996.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, Ultrasonic Near-Subbottom Characterization and Correlation with Time Variations in Entrainment and Deposition, Department of Civil Engineering (K. W. Bedford and C. M. Libicki), 1 January 1988 through 31 December 1988. (Project 766605 - New)

\$40,233.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Biotin Enzymes in Sudden Infant Death Syndrome Tissue, Department of Food Science and Nutrition - OARDC and Department of Food Science and Nutrition (J. B. Allred), 1 February 1988 through 31 January 1989. (Project 766568 - New)

\$38,635.00 - Department of Education, Office of Postsecondary Education, Washington, D.C., Supplemental Funds to Initiate, Improve, or Expand a Program of Cooperative Education, College of the Arts and Sciences - Administration, College of Business - Administration, and College of Engineering - Administration (D. W. Good), Agricultural Technical Institute - Administrative Support (D. D. Garrison), School of Health, Physical Education and Recreation (W. A. Sutton), and College of

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

Education - Administration (J. J. Buffer), 1 October 1987 through 30 September 1988. (Project 766581 - Continuation)

\$38,358.00 - National Aeronautics and Space Administration, Lewis Research Center, Cleveland, Ohio, Modeling of Gear Dynamics, Housing Noise, and Transmissibility of a NASA Spur Gear Test Facility, Department of Mechanical Engineering (D. R. Houser and R. Singh), 9 June 1988 through 8 January 1989. (Project 765863 - Continuation)

\$38,132.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Luteal Prostaglandins in Primate Early Pregnancy, Department of Dairy Science - OARDC and Department of Dairy Science (J. S. Ottobre), 1 December 1987 through 30 November 1988. (Project 765111 - Continuation)

\$30,191.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, Studies of the Nonlinear Dynamics of Fluid System, Department of Physics (C. D. Andereck), 1 December 1987 through 30 November 1988. (Project 765156 - Continuation)

\$29,967.00 - National Science Foundation, Washington, D.C., A Knowledge-Based Approach for the Evaluation of Performance of Buildings During the Whittier (California) Earthquake, Department of Civil Engineering (H. Adeli), 1 March 1988 through 31 August 1989. (Project 766599 - New)

\$28,257.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Multiple Comparisons with the Best Treatment, Department of Statistics (J. C. Hsu), 1 February 1988 through 31 January 1989. (Project 765581 - Continuation)

\$20,000.00 - National Aeronautics and Space Administration, Lewis Research Center, Cleveland, Ohio, Plate Vibrations: A Summary of Useful Results, Department of Engineering Mechanics (A. W. Leissa), 1 March 1988 through 28 February 1989. (Project 766608 - New)

\$19,780.00 - National Science Foundation, Washington, D.C., The Ohio State University Collaborative Research Program in Physical Gas Dynamics and Molecular Energy Transfer, Department of Mechanical Engineering (J. W. Rich), 1 February 1988 through 31 July 1990. (Project 766582 - New)

\$15,550.00 - National Science Foundation, Washington, D.C., Arithmetic of Abelian Varieties, Department of Mathematics (A. Silverberg), 1 December 1988 through 30 November 1989. (Project 766169 - Continuation)

\$15,015.00 - National Science Foundation, Washington, D.C., Chloroplast DNA and the Phylogeny of North American Coreopsis (Asteraceae), Department of Botany (D. Crawford), 1 November 1987 through 31 October 1988. (Project 765376 - 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)

\$15,000.00 - National Science Foundation, Washington, D.C., Inter-disciplinary Conference of Randomness, Department of Mathematics (H. Friedman) and Department of Statistics (P. K. Goel), 1 March 1988 through 28 February 1989. (Project 766619 - New)

\$1,100.00 - National Aeronautics and Space Administration, Ames Research Center, Moffett Field, California, Analysis of a Simulated 2-D Viscous Flow for the Case of Hover Flight, Department of Mechanical Engineering (A. T. Conlisk), 1 December 1987 through 31 March 1988. (Project 765301 - Continuation)

TOTAL - FEDERAL AWARDS **\$3,925,597.00**

State of Ohio Research Contracts/Grants

\$34,959.00 - State of Ohio, Department of Mental Retardation and Developmental Disabilities, Columbus, Ohio, Marketing the Abilities of Persons with Developmental Disabilities to Potential Employers, The National Center for Research in Vocational Education (R. D. Ryan), 1 March 1988 through 28 February 1989. (Project 766602 - New)

\$18,628.00 - State of Ohio, Department of Commerce, Columbus, Ohio, Continuing Education Real Estate Law Legal Update Course, College of Business - Administration (R. L. Racster), 1 January 1988 through 28 February 1989. (Project 766598 - New)

\$15,000.00 - State of Ohio, Department of Development, Columbus, Ohio, Regional Labor-Management Cooperation Center, Academic Faculty of Management and Human Resources (D. B. Patton, W. D. Todor and H. R. Bobbitt), 1 July 1987 through 30 June 1988. (Project 766277 - Continuation)

\$10,000.00 - State of Ohio, Department of Natural Resources, Columbus, Ohio, ERDAS Image Processing System, Center for Mapping (J. D. Bossler), 1 January 1988 through 28 February 1988. (Project 766589 - New)

TOTAL - STATE OF OHIO AWARDS **\$ 78,587.00**

Industrial Research Contracts/Grants

\$106,133.00 - Alcoa Defense Systems, Inc., San Diego, California, Advanced Antennas for Future Air Vehicles, Department of Electrical Engineering, ElectroScience Laboratory (B. A. Munk), 1 October 1987 through 30 September 1988. (Project 766329 - Continuation)

\$100,000.00 - Pacific Applied Research, Rancho Palos Verdes, California, Short Wavelength Chemical Laser Fluid Dynamics, Department of Mechanical Engineering (J. W. Rich) and Department of Aeronautical and Astronautical Engineering (J. D. Lee), 15 October 1987 through 14 October 1988. (Project 766600 - New)

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Industrial Research Contracts/Grants (contd)

\$75,075.00 - Kali-Duphar Laboratories, Inc., Worthington, Ohio, Eproxindine Hydrochloride (KC 3791): An Intravenous Electrophysiology Study in Patients with Ventricular Tachyarrhythmias, Department of Internal Medicine (S. F. Schaal and S. D. Nelson), 1 January 1988 through 31 December 1988. (Project 766609 - New)

\$57,795.00 - Martin Marietta Corporation, Oak Ridge, Tennessee, Adaptive Welding Control System, Department of Welding Engineering (R. W. Richardson), 27 August 1986 through 29 February 1988. (Project 765673 - Continuation)

\$39,484.00 - Robert R. Nathan Associates, Inc., Washington, D.C., Bangladesh Training Development, Department of Agricultural Economics and Rural Sociology (R. L. Meyer), 1 January 1988 through 30 June 1988. (Project 766588 - New)

\$38,325.00 - Eli Lilly and Company, Indianapolis, Indiana, LY163892 Versus Keflex in Uncomplicated Cystitis and Asymptomatic Bacteriuria, Department of Internal Medicine (J. F. Plouffe), 1 February 1988 through 31 July 1989. (Project 766595 - New)

\$37,500.00 - Air Products and Chemicals, Inc., Allentown, Pennsylvania, Chelate Dioxxygen Carriers for Use in Facilitated Transport, Department of Chemistry (D. H. Busch), 1 February 1988 through 31 July 1988. (Project 763432 - Continuation)

\$35,000.00 - PepsiCo, Inc., Valhalla, New York, Isolation and Characterization of the Protein Fraction of Gum Arabic, Department of Food Science and Nutrition - OARDC and Department of Food Science and Nutrition (M. E. Mangino), 1 January 1988 through 31 December 1988. (Project 766532 - New)

\$30,005.00 - Martin Marietta Corporation, Oak Ridge, Tennessee, Adaptive Welding Control System, Department of Welding Engineering (R. W. Richardson), 1 March 1988 through 31 May 1988. (Project 765673 - Continuation)

\$27,005.00 - Eli Lilly and Company, Indianapolis, Indiana, LY163892 Versus Keflex in Bacterial Skin Infections, Department of Internal Medicine (J. F. Plouffe), 1 February 1988 through 31 July 1989. (Project 766594 - New)

\$26,410.00 - Yellow Springs Instrument Company, Inc., Yellow Springs, Ohio, An Investigation of the YSI On-Line Glucose System, Department of Microbiology (W. R. Strohl), 1 January 1988 through 31 December 1988. (Project 766616 - New)

\$24,380.00 - CIBA-GEIGY Corporation, Summit, New Jersey, Efficacy and Tolerability of Anafranil Versus Placebo in Obsessive-Compulsive Disorder, Department of Psychiatry (M. R. Mavissakalian), 1 November 1986 through 23 July 1988. (Project 765782 - Continuation)

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Industrial Research Contracts/Grants (contd)

\$21,844.00 - Dupont Critical Care, Waukegan, Illinois, Safety and Tolerance to Increasing Infusion Rates of the Phenytoin Pro-Drug Administered as a Bolus Dose to Healthy Human Volunteers, Department of Pharmacology (N. Gerber), 19 December 1986 through 30 June 1987. (Project 765696 - Continuation)

\$19,995.00 - Universal Energy Systems, Inc., Dayton, Ohio, Low Velocity Impact of Graphite/Epoxy Plates, Department of Civil Engineering (W. E. Wolfe), 15 January 1988 through 15 August 1988. (Project 766585 - New)

\$16,850.00 - Eli Lilly and Company, Indianapolis, Indiana, LY163892 Versus Keflex in Uncomplicated Pyelonephritis, Department of Internal Medicine (J. F. Plouffe), 1 February 1988 through 31 July 1989. (Project 766596 - New)

\$11,350.00 - Ross Laboratories, Columbus, Ohio, The Effects of Vital High Nutrition on Intestinal Electrolyte Transport, Department of Internal Medicine (T. S. Gagarella), 1 January 1988 through 31 December 1988. (Project 766604 - New)

\$5,743.00 - Sandia Corporation, Albuquerque, New Mexico, Polar and Non-Polar Diatomic Molecule Scattering from the Surfaces of Solids, Department of Chemistry (P. L. Jones), 1 January 1988 through 31 March 1988. (Project 766441 - Continuation)

\$2,900.00 - Kemin Industries, Inc., Des Moines, Iowa, The Vitamin E Sparing Effects of Several Antioxidants, Department of Poultry Science - OARDC and Department of Poultry Science (J. D. Latshaw), 15 February 1988 through 15 April 1988. (Project 766620 - New)

TOTAL - INDUSTRIAL AWARDS \$ 675,794.00

Other Non-Federal Research Contracts/Grants

\$127,700.00 - Gleason Memorial Fund, Rochester, New York, Enhancements of OSU's Single Flank Transmission Error Measurement Capability, Department of Mechanical Engineering (D. R. Houser), 1 February 1988 through 31 January 1989. (Project 766597 - New)

\$65,256.00 - Columbus Human Services Department, Columbus, Ohio, The Columbus Neighborhood Technical Assistance Program, Department of City and Regional Planning (S. I. Gordon), 1 January 1988 through 31 December 1988. (Project 766610 - Continuation)

\$35,000.00 - The Petroleum Research Fund, Washington, D.C., Template-Directed Synthesis of Nucleosides, Department of Chemistry (A. W. Czarnik), 1 January 1988 through 31 August 1990. (Project 766566 - New)

\$32,395.00 - Cornell University, Ithaca, New York, Design, Prototype, and Debug Mixer-Shaper Boards for CLEO, Department of Physics (H. P. Kagan

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Other Non-Federal Research Contracts/Grants (contd)

and R. D. Kass), 1 January 1988 through 31 December 1988. (Project 766574 - New)

\$25,000.00 - March of Dimes Birth Defects Foundation, White Plains, New York, Adverse Effect of Gossypol and Gossypol-Containing Milk on Reproductive Function in Nursing Dams and Their Pups, Department of Veterinary Physiology and Pharmacology (Y. C. Lin), 1 December 1987 through 30 November 1988. (Project 766601 - New)

\$18,000.00 - The Petroleum Research Fund, Washington, D.C., Freezing of Diatomic Molecules, Department of Chemistry (S. J. Singer), 1 February 1988 through 31 August 1990. (Project 766618 - New)

\$15,000.00 - Tinker Foundation, New York, New York, Field Research Grants to Latin America and Iberia, University Center for International Studies (S. J. Summerhill) and Department of Agricultural Economics and Rural Sociology (D. H. Graham), 1 January 1988 through 31 December 1988. (Project 766603 - Continuation)

\$14,000.00 - March of Dimes Birth Defects Foundation, White Plains, New York, Infants at Risk for Communicative Disorders: Predicting Language Development from Infant Phonetic Contrast and Very Low Birth Weight, Department of Communication (H. Bauer), 1 March 1988 through 28 February 1989. (Project 766077 - Continuation)

\$13,880.00 - University of Virginia, Charlottesville, Virginia, Nuclear Reactor Operator Training for Disadvantaged Americans, Department of Mechanical Engineering (B. K. Hajek) and Engineering Experiment Station (R. D. Myser), 1 January 1988 through 31 December 1988. (Project 765797 - Continuation)

\$11,877.00 - Cancer Therapy and Research Foundation of South Texas, San Antonio, Texas, SWOG Study 8412, Department of Pathology (R. O'Toole), 25 November 1987 through 24 November 1988. (Project 765202 - Continuation)

\$10,312.00 - Texas A & M University, College Station, Texas, Leg 120 Scientific Prospectus, Byrd Polar Research Center (D. H. Elliot and D. M. Harwood), 26 February 1988 through 27 May 1988. (Project 766615 - New)

\$10,000.00 - National Geographic Society, Washington, D.C., The Isthmus of Panama Since the Last Glacial Maximum, Department of Zoology (P. A. Colinvaux), 1 February 1988 through 31 January 1989. (Project 766593 - New)

\$8,127.60 - Gallipolis Developmental Center, Gallipolis, Ohio, Graduate Research Associate Internship Training, Nisonger Center (S. R. Schroeder), 1 January 1988 through 30 June 1988. (Project 766548 - New)

\$6,500.00 - The University of West Florida, Pensacola Florida; Florida Department of Education, Tallahassee, Florida; Washington Department of Public Instruction, Olympia, Washington; and Wisconsin Board of Vocational, Technical, and Adult Education, Madison, Wisconsin, National

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Other Non-Federal Research Contracts/Grants (contd)

Entrepreneurship Education Consortium, The National Center for Research in Vocational Education (R. D. Ryan), 1 July 1987 through 30 June 1988. (Project 766207 - Continuation)

\$5,000.00 - United Cancer Council, Carmel, Indiana, Experimental Development of Lasers for Treatment of Prostate Tumors, Department of Surgery (J. R. Drago) and Comprehensive Cancer Center (D. S. Yohn), 1 January 1988 through 31 December 1988. (Project 766611 - New)

\$4,998.00 - Houston Independent School District, Houston, Texas, Technical Assistance on Developing Vocational Program Evaluation Effort for the Houston Independent School District, The National Center for Research in Vocational Education (R. D. Ryan), 1 November 1987 through 29 February 1988. (Project 766586 - New)

\$3,000.00 - Battelle Memorial Institute, Columbus, Ohio, Interdisciplinary Research on Wear of Materials, Department of Metallurgical Engineering (D. A. Rigney), 1 August 1987 through 29 February 1988. (Project 764981 - Continuation)

\$2,000.00 - Macomb Community College, Warren, Michigan, National Alliance of Community and Technical Colleges, The National Center for Research in Vocational Education (R. D. Ryan), 1 July 1987 through 30 June 1988. (Project 766171 - Continuation)

\$1,640.90 - University of Minnesota, St. Paul, Minnesota, Technical Assistance to Moroccan Participant Driss Massahou on His Dissertation, Department of Agricultural Engineering (R. J. Gustafson), 18 January 1988 through 22 January 1988. (Project 766617 - New)

\$809.00 - Cancer Therapy and Research Foundation of South Texas, San Antonio, Texas, Multidisciplinary Participation in the Cancer Control Activities of the Southwest Oncology Group, Department of Internal Medicine (S. P. Balcerzak), 1 January 1988 through 31 December 1988. (Project 763118 - Continuation)

\$500.00 - The Ohio Academy of Science, Columbus, Ohio, In-Service Workshop to Promote Student Research in Litter Prevention and Recycling, Cooperative Extension State Operations (J. D. Rohrer), 1 January 1988 through 15 February 1988. (Project 766578 - New)

\$40.00 - The Edgar W. Ingram Foundation, Columbus, Ohio, The Critical Thinking Conference for Franklin County Junior and Senior High School Faculty and Staff, University College Administration (K. Laroe), 25 February 1988 through 25 February 1988. (Project 766178 - Continuation)

TOTAL - OTHER NON-FEDERAL AWARDS

\$ 411,035.50

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

ENGINEERING EXPERIMENT STATION

Industrial and Other Sponsored Research and Development

\$61,570.00 - from 42 sponsors of 48 development projects through four department/research areas of the College of Engineering.

\$60,000.00 - Additional budget from Battelle Columbus Division, Columbus, OH, "Heat Exchanger Aspects of a Gas Fired Cooling Only Heat Pump," Department of Mechanical Engineering, 1 September 1987 through 30 September 1988. (312439, Ext. 1)

\$30,000.00 - General Motors Corporation, Warren, MI, "Polymer Engineering Research Program, "Department of Chemical Engineering," 1 September 1987 through 31 August 1988. (529638, Ext. 5)

\$28,200.00 - Ford Motor Company, Dearborn, MI, "Gear Noise Testing to Determine the Effect of Shaft Mis-alignment for Several Gear Designs," Department of Mechanical Engineering, 19 February 1988 through 31 October 1988. (312447)

\$10,000.00 - Representing corporate funding from Plaskolite, Inc., Columbus, OH, "Optimization of Poly (methyl methacrylate) Bulk Polymerization, (529731)," Department of Chemical Engineering, 1 October 1987 through 30 June 1988. (529751)

\$6,200.00 - Additional budget from Universal Energy Systems, Inc., Dayton, OH, "Advanced Simulation Language and Multi-Computer Design for Improving the Performance of Modeling and Control of Metal Forming Processes," Department of Computer and Information Science, 15 November 1987 through 30 June 1988. (312869, Ext. 3)

TOTAL - INDUSTRIAL AND OTHER SPONSORED RESEARCH \$ 195,970.00

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND

Establishment of Named Funds

The Abba G. Lichtenstein Fund in Civil Engineering

The Abba G. Lichtenstein Fund in Civil Engineering was established April 8, 1988, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from Abba G. Lichtenstein (B.C.E. '48), Tenafly, New Jersey.

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 shall be used to enhance the educational and research interests of the Department of Civil Engineering. This support will be used primarily in the area of infrastructures. Expenditures from the fund shall be approved by the Dean of the College of Engineering.

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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 Abba G. Lichtenstein Fund in Civil Engineering (contd)

It is the desire of the donor that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in order to carry out the desire of the donor.

The Farm Income Enhancement Program Fund

The Farm Income Enhancement Program Fund was established April 8, 1988, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from Nationwide Insurance Company, contributing members of the Ohio Farm Bureau Federation, and appropriations from the State of Ohio to fund a cooperative venture.

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 additional gifts shall be added to the fund's principal until such time the principal reaches \$1,250,000. The fund will create an endowed chair in the Department of Agricultural Economics and Rural Sociology. The mission of the chair is to benefit the nation's farmers by finding ways to increase profit and to assist farmers in finding solutions to policy and international trade problems. The chair holder will lead the research effort to develop innovative solutions that aid agricultural industries in expanding product uses, developing new markets, and making current markets more lucrative.

It is the desire of the donors that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in order to carry out the desire of the donors.

The Robert J. Kane Lecture Fund in English Studies

The Robert J. Kane Lecture Fund in English Studies was established April 8, 1988, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from the Estate of Robert J. Kane (B.A., Arts & Sciences, 1921; M.A., English, 1922), 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.

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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 Robert J. Kane Lecture Fund in English Studies (contd)

The annual income shall be used to fund an annual lecture, administered by the Department of English, to be named the Robert J. Kane Lecture in English Studies. Each year a distinguished speaker of national or international reputation will give a major talk on a topic related to literature, criticism or critical theory, the study of language, film studies, literacy, rhetoric, folklore, or any of the other areas relevant to the disciplines of the Department of English. The fund will be used for the speaker's honorarium and for related expenses. The selection of the annual speaker will be the responsibility of the executive committee of the Department of English or its designees.

It is the desire of the donor that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in order to carry out the desire of the donor, with preference being given to recommendations which meet the educational goals of the Department of English.

Gertrude Kuehefuhs Piano Accompanists Endowment Fund

The Gertrude Kuehefuhs Piano Accompanists Endowment Fund was established April 8, 1988, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from the Estate of Gertrude Kuehefuhs, 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 shall be used to provide scholarships, assistantships, or grants to one or more talented student accompanists 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 by the Director of the School of Music in consultation with the appropriate music faculty, the University Committee on Student Financial Aid, and with approval of the Dean of the College of The Arts.

It is the desire of the donor that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in order to carry out the desire of the donor.

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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 Dairy Science Chair in Lactational
Physiology and Mammary Health**

The Dairy Science Chair in Lactational Physiology and Mammary Health was established April 8, 1988, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from industry, alumni, faculty and friends of the Department of Dairy 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 annual income shall be used to provide salary and program support for the work of a distinguished teacher and scholar in the field of lactational physiology and mammary health as recommended by the Vice President for Agricultural Administration to the Provost of The Ohio State University and approved by the Board of Trustees. In the absence of such a faculty member, income shall be used for the development of this fund and/or to support research directed to the improvement of dairy management and dairy cow production.

It is the desire of the donors that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in order to carry out the desire of the donors, with preference being given to recommendations from the appropriate administrative officials of the University who are then directly responsible for Dairy Science education or from the Vice President for Agricultural Administration.

The Ohio State University Staff Career Development Fund

The Ohio State University Staff Career Development Fund was established April 8, 1988, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from faculty and staff members of The Ohio State 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 annual income shall be used to provide staff members of the University with grants for education, training and professional development activities related to their job and career goals. The grants may be used for tuition or fees for courses, workshops, conferences or other appropriate professional activities; books or other required materials; travel or other related expenses such as child care. Grants will be available for any regular full- or part-time staff member who has worked at the University a minimum of two years. Grants for part-time

April 7 and 8, 1988 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 Ohio State University Staff Career Development Fund (contd)

employees will be prorated on the basis of their full-time equivalence. Individuals may receive up to two awards within any two-year period. Staff members who have not received an award will be given priority. The maximum award is \$500. Smaller requests are equally encouraged. Criteria for the award shall include: 1) Appropriateness of education or training in relation to the employees' job, career or professional development goals; 2) Evidence that the requested education and training either is not currently available at the University and/or cannot be funded from other sources such as fee authorization.

The fund will be administered by the Office of Human Relations. Applications may be submitted at any time, and awards will be made on a quarterly basis. The Staff Advisory Committee will recommend recipients to the Executive Officer for Human Relations. Their review process will be based on stated criteria. The awards in any given year will not exceed the income of the endowment.

It is the desire of the donors that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in order to carry out the desire of the donors.

The Stark County Alumni Scholars Program

The Stark County Alumni Scholars Program was established April 8, 1988, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from the Stark County/Ohio State University Alumni Club and residents of Stark 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.

Twenty percent (20%) of the annual income shall be added to the fund's principal. The remaining eighty percent (80%) of the annual income shall be used to provide scholarship support for one or more qualified students enrolled at The Ohio State University. Selection of the scholarship recipients will be made by the Stark County Alumni Club and The Ohio State University Alumni Association, in cooperation with the University Committee on Financial Aid.

The purpose and intent of this scholarship is set forth as follows: The recipients will be designated "Alumni Scholars." To be eligible, a student must have attended a high school in Stark County or be a resident of Stark County. Preference will be given to first quarter freshmen at The Ohio State University who are academically outstanding. This full tuition scholarship will be renewable to a maximum of 12 quarters.

April 7 and 8, 1988 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 Stark County Alumni Scholars Program (contd)

Renewal will depend upon the student continuing to demonstrate outstanding achievement and successful academic progress toward a degree, consistent with similar University scholarships.

It is the desire of the donors that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in order to carry out the desire of the donors.

The Paul G. Korn and Gary B. Korn Scholarship Fund

The Paul G. Korn and Gary B. Korn Scholarship Fund was established April 8, 1988, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from the Estate of Aunalee S. Korn, Sidney, 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 shall be used for a scholarship for an undergraduate student with demonstrated financial need who is enrolled in food technology. Selection will be made each year by an appointee of the Dean of the College of Home Economics in consultation with the University Committee on Student Financial Aid and the Department of Human Nutrition and Food Management.

It is the desire of the donor that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in order to carry out the desire of the donor.

Change of Name and Description of Named Funds

The Jean S. Bowers/Fern E. Hunt Fellowship 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 to The Ohio State University Development Fund from alumni, faculty and friends of the Department of Family Resource Management of the College of Home Economics. The name and description were changed to the Department of Family Resource Management Endowment Fund on September 5, 1986. Further changes in the name and description were made April 8, 1988.

April 7 and 8, 1988 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 Funds (contd)

The Jean S. Bowers/Fern E. Hunt Fellowship 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.

All of the annual income shall be used for graduate fellowships in the Department of Family Resource Management. Expenditure of income will be determined by the Chairperson and two faculty members of the Department of Family Resource Management.

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 consumer/family economics, equipment and family resource management education.

**Mervin G. Smith Student and Faculty Fund in
International Agriculture**

The Mervin G. Smith International Scholarship Fund in Agriculture was established July 22, 1977, and revised February 3, 1984. The name and description were changed again in accordance with the wishes of the donor on April 8, 1988.

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 shall be used primarily to provide scholarships for undergraduate and/or graduate students in the College of Agriculture and closely-related areas who have demonstrated academic ability and financial need, with preference given to students for training, studying, and/or conducting research abroad. The selection of the recipients is to be made upon the recommendation of the administrator directly responsible for international affairs in the College of Agriculture, in cooperation with the Dean of the College of Agriculture and the University Committee on Student Financial Aid. The donor is to be consulted about the selection of scholarship recipients, during his lifetime.

An additional use of the annual income from the fund will be for an International Award of Merit each year to the outstanding international faculty member in the College of Agriculture. The first such award will be \$500 but will not exceed ten percent (10%) of the available annual income thereafter. This faculty member shall be outstanding in international teaching, research, work abroad, consulting, or professional writing, or a combination thereof. The selection of the recipient is to be made upon the recommendation of a college faculty

April 7 and 8, 1988 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 Funds (contd)

**Mervin G. Smith Student and Faculty Fund in
International Agriculture (contd)**

committee in cooperation with the administrative person directly responsible for international affairs along with the Dean of the College of Agriculture. The award may be presented through the Gamma Sigma Delta Honor Society of Agriculture, Ohio Chapter.

At such time as the principal of the fund reaches \$100,000 or more, some of the annual income can be used for seminars, expenses for participation in international meetings, improving foreign student education, and other purposes which promote international agriculture in the College of Agriculture. The use for these purposes shall be determined by the administrator in charge of international affairs and the Dean in the College of Agriculture in consultation with the donor, during his lifetime.

At the end of each fiscal year any unused income shall be added to the fund's principal.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income shall 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 international agriculture, education and research.

Change in Description of Named Fund

The Admissions and Allocations Fund

The Admissions and Allocations Fund was established September 5, 1986, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from numerous donors. The description was changed April 8, 1988.

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 shall be used to support projects and programs as determined each year by the Admissions and Allocations Committee of The Ohio State University Development Fund. Moreover, said Committee is authorized to invade the fund's principal to assure maximum benefit for deserving projects and programs.

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.

April 7 and 8, 1988 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND
ESTABLISHMENT OF CONTINGENCY FUNDS**

Resolution No. 88-109

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 the award of contracts for the McCracken Power Plant - Facilities Improvements and St. John Arena Repairs projects as follows:

MCCRACKEN POWER PLANT - FACILITIES IMPROVEMENTS

Description: This project provides for the general renovation of the existing locker room on the operating level and the two laboratories directly above on the mezzanine level to convert them into a new men's locker room, women's locker room, instruments repair laboratory, and a new laboratory on the operating level floor. Construction is scheduled to begin April 1988 and be completed within one hundred eighty days.

General Contract

Date Received:	February 3, 1988
No. of Bids:	8
Low Bid:	\$ 72,411.00
High Bid:	\$119,780.00
Estimate of Cost:	\$ 91,100.00
Awarded to:	Lagen Corp., Columbus, OH

Plumbing Contract

Date Received:	February 3, 1988
No. of Bids:	6
Low Bid:	\$ 25,945.00 ⁺
High Bid:	\$ 44,900.00
Estimate of Cost:	\$ 24,400.00
Awarded to:	Maintenance Masters, Canfield, OH

⁺Plumbing and HVAC Contracts are in excess of filed estimate of cost; however, the total price of all contracts is within 10% of the total estimate of cost and is recommended for award as provided by Section 153.12 of the Revised Code.

April 7 and 8, 1988 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)**

MCCRACKEN POWER PLANT - FACILITIES IMPROVEMENTS (contd)

HVAC Contract

Date Received:	March 18, 1988
No. of Bids:	4
Low Bid:	\$ 49,690.00 ⁺
High Bid:	\$ 61,851.00
Estimate of Cost:	\$ 32,500.00
Awarded to:	Marco Plumbing & Heating, Columbus, OH

Electric Contract

Date Received:	February 3, 1988
No. of Bids:	7
Low Bid:	\$ 11,800.00
High Bid:	\$ 17,600.00
Estimate of Cost:	\$ 13,000.00
Awarded to:	Scioto Electric, Lancaster, OH

Total All Contracts:	\$159,846.00
Total Contingency Allowance:	\$ 16,691.38 (which is 9.5% of construction costs)
Total Project Cost:	\$214,632.00
Funding:	1985 Series A and B Bonds

⁺Plumbing and HVAC Contracts are in excess of filed estimate of cost; however, the total price of all contracts is within 10% of the total estimate of cost and is recommended for award as provided by Section 153.12 of the Revised Code.

ST. JOHN ARENA REPAIRS

Description: Repairs to various areas to enhance occupancy. Construction is scheduled to begin May 2, 1988, and be completed by August 1, 1988.

April 7 and 8, 1988 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)**

ST. JOHN ARENA REPAIRS (contd)

General Contract

Date Received:	March 1, 1988
No. of Bids:	5
Low Bid:	\$187,698.00
High Bid:	\$316,274.00
Estimate of Cost:	\$250,000.00
Awarded to:	Martin Construction, Columbus, OH
Total All Contracts:	\$187,698.00
Total Contingency Allowance:	\$ 18,769.65 (which is 10% of construction costs)
Total Project Cost:	\$248,845.00
Funding:	University Funds

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

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**EASEMENT
COLUMBUS SOUTHERN POWER COMPANY**

Resolution No. 88-110

Synopsis: Renewal of an electric line easement to Columbus Southern Power Company is proposed.

WHEREAS in 1973 the University granted to Columbus Southern Power Company a 15-year easement for electric lines located near the Woody Hayes Athletic Center; and

WHEREAS this easement has expired and Columbus Southern Power Company has requested a renewal of the easement for a period of 15 years; and

WHEREAS the electric lines serve University property; and

April 7 and 8, 1988 meeting, Board of Trustees

**EASEMENT
COLUMBUS SOUTHERN POWER COMPANY (contd)**

WHEREAS the appropriate University offices have recommended the renewal of this easement:

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 this easement.

Upon motion of Mr. Barone, seconded by Ms. Casto, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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**EASEMENT
OHIO POWER COMPANY**

Resolution No. 88-111

Synopsis: Authorization to grant an easement to the Ohio Power Company for installation of electric service is requested.

WHEREAS the Ohio Power Company has requested a 15-year easement consisting of a strip of land 10 feet in width and approximately 530 feet in length for an easement located on Ohio Agricultural Research and Development Center property in Fremont, Ohio; and

WHEREAS the electrical service will serve University property; and

WHEREAS the appropriate University offices have recommended 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 this easement.

Upon motion of Mr. Barone, seconded by Ms. Casto, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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STUDENT HEALTH INSURANCE

Resolution No. 88-112

Synopsis: Renewal of the Student Health Insurance Program with Central Benefits Mutual Insurance Company, formerly known as Blue Cross of Central Ohio, is proposed.

April 7 and 8, 1988 meeting, Board of Trustees

STUDENT HEALTH INSURANCE (contd)

WHEREAS on March 6, 1987, this Board awarded a one year contract (effective Autumn Quarter 1987) to provide Student Health Insurance with the understanding that the program would be competitively rebid; and

WHEREAS after consideration of the desires and concerns of the students who purchase the insurance, the Student Health Insurance Committee of the Council of Student Affairs has recommended -- and the full Council on Student Affairs has ratified this recommendation -- that the competitively bid contract continue to provide the existing benefits plus the following improved/changed benefits:

Increase the preventive dental benefit for cleaning from \$15 to \$20.

Eliminate the twenty-four (24) month major medical runout of benefits and the fifty-two (52) week runout of benefits for accidental injury and sickness.

Increase the option of continuing coverage when not enrolled at the University from the current one (1) quarter to three (3) quarters.

WHEREAS this program will be available on an optional basis to all registered students for the following proposed Quarterly Premium Rates:

<u>Classification</u>	<u>Expiring Quarterly Rates</u>	<u>Proposed Quarterly Rates</u>
	<u>1987-88</u>	<u>1988-89</u>
Student	\$ 55	\$ 72
Student & Spouse	163	221
Student, Spouse & Children	236	322
Student & Children	127	171

NOW THEREFORE

BE IT RESOLVED, That Central Benefits Mutual Insurance Company be awarded the competitively bid Student Health Insurance contract effective the first day of classes, Autumn Quarter 1988 for a period of one (1) year. The contract will provide the benefits outlined above as well as those now available under the terms of the current contract.

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

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CENTRAL BILLING SYSTEM FOR THE UNIVERSITY HOSPITALS

Resolution No. 88-113

Synopsis: Employment of an accounting firm to design a central billing system for the University Hospitals is proposed.

WHEREAS the University is desirous of implementing a unique centralized billing system in the University Hospitals so that patients will receive

April 7 and 8, 1988 meeting, Board of Trustees

CENTRAL BILLING SYSTEM FOR THE UNIVERSITY HOSPITALS (contd)

a single itemized bill for all professional services provided in a hospital stay; and

WHEREAS various University and Hospitals officials have reviewed the possibility of a centralized billing system and are now prepared to move forward towards implementation; and

WHEREAS it has been determined that the University should now obtain the professional services of an accounting firm familiar with the billing practices of hospitals to make recommendations for implementing a specialized central billing system; and

WHEREAS the professional fees for these services is estimated to be \$46,000 to \$51,000:

NOW THEREFORE

BE IT RESOLVED, That the University enter into an agreement with the firm of Ernst & Whinney to review and make recommendations for implementing a centralized billing system at the University Hospitals for all professional services; and

BE IT FURTHER RESOLVED, That the President and/or Vice President for Health Services be authorized to enter into the necessary agreements in furtherance of this plan on behalf of this Board and the University.

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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**AGREEMENT BETWEEN THE OHIO STATE UNIVERSITY
AND CHILDREN'S HOSPITAL, INC.**

Resolution No. 88-114

Synopsis: Authorization to enter into an agreement between The Ohio State University and Children's Hospital, Inc. is proposed.

WHEREAS the Children's Hospital, Inc. of Columbus, Ohio, and The Ohio State University have been operating under an affiliation agreement since April 17, 1964; and

WHEREAS the Board of Trustees of The Ohio State University and the Board of Trustees of Children's Hospital, Inc. share a common mission of research and education in the specialty area of pediatrics and in a variety of other health fields; and

WHEREAS The Ohio State University and Children's Hospital, Inc. both have substantial research programs of a sponsored and non-sponsored nature that involve cooperative interrelationships between the two institutions; and

WHEREAS The Ohio State University desires to further strengthen the relationships between Children's Hospital, Inc. and the University; and

April 7 and 8, 1988 meeting, Board of Trustees

**AGREEMENT BETWEEN THE OHIO STATE UNIVERSITY
AND CHILDREN'S HOSPITAL, INC. (contd)**

WHEREAS it is in the best interests of The Ohio State University to enter into an agreement between The Ohio State University and Children's Hospital, Inc. to govern the administration of sponsored and non-sponsored programs:

NOW THEREFORE

BE IT RESOLVED, That the President and/or Vice President for Business and Administration be authorized, on behalf of the University, to execute an agreement between The Ohio State University and Children's Hospital, Inc. for administration of sponsored and non-sponsored programs on terms and conditions that the President or Vice President for Business and Administration determines to be in the best interests of the University.

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

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REPORT - UNIVERSITY'S INVESTMENT PORTFOLIO

Resolution No. 88-115

RESOLVED, That the report on the University's Investment Portfolio, dated March 18, 1988, 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 Wednesday, May 4, 1988, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, at 6:30 p.m.

Attest:

Madison H. Scott
Secretary

Edmund C. Redman
Chairman

THE OHIO STATE UNIVERSITY
OFFICIAL PROCEEDINGS OF THE
ONE THOUSAND TWO HUNDRED AND FORTY-FIRST MEETING
OF THE BOARD OF TRUSTEES

Columbus, Ohio, May 4 and 5, 1988

The Board of Trustees met at its regular monthly meeting on Wednesday, May 4, and Thursday, May 5, 1988, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, pursuant to adjournment.

* * *
Minutes of the last meeting were approved.
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May 4 and 5, 1988 meeting, Board of Trustees

The Chairman, Mr. Redman, called the meeting of the Board of Trustees to order on May 4, 1988, at 6:30 p.m. He requested the Secretary to call the roll.

Present: Edmund C. Redman, Chairman, Leonard J. Immke, John W. Berry, Shirley D. Bowser, Hamilton J. Teaford, John J. Barone, Deborah E. Casto, John W. Kessler, and Milton A. Wolf.

The meeting recessed into Executive Session for the purpose of considering legal issues and personnel actions as follows: faculty/staff appointments and reappointments, resignations and terminations, leaves of absence without salary, professional improvement leaves, emeritus titles, and medical staff appointments.

Upon motion of Mr. Immke, seconded by Mr. Berry.

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Mr. Redman reconvened the meeting on May 5, 1988, at 9:50 a.m.

Present: Edmund C. Redman, Chairman, Leonard J. Immke, John W. Berry, Shirley D. Bowser, Hamilton J. Teaford, John J. Barone, Deborah E. Casto, John W. Kessler, and Milton A. Wolf.

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Mr. Redman:

I would like to have Dr. Frank Hale, Vice Provost for Minority Affairs, make a presentation to the Board.

Dr. Frank Hale:

Chairman, Members of the Board, and audience in the room, I wanted to come today to provide you with an update on the activities of the Office of Minority Affairs. First of all, I would like to express my appreciation to you for your leadership and support in terms of affirmative action and minority programming that has taken place over the years at this University. I want to give specific reference and appreciation to the leadership as designated by our own President, Ed Jennings, who has taken a very strong position through the years in giving support to our office. And, most recently, to the Action Plan which has obviously been global, in terms of its impact both on this campus and throughout the United States.

We are pleased that not only the University, but so many of our sister institutions around the country have been delighted with the step that we have taken. It is a courageous step that has caused many of them to take various aspects of our program and extrapolate to the extent that they can't meet their own needs. We are called upon, many of us on this campus, from time to time, to give some indication of the steps that we have taken. Many universities not having the initiatives already in place on their campuses have really borrowed from us, and in a sense that has made our job more difficult as they have attempted to achieve parity.

May 4 and 5, 1988 meeting, Board of Trustees

Dr. Hale: (contd)

Just to give you a recent overview of some of the things that we are doing -- we would like to indicate that we have been very active around the State. In fact, we have been invited in by the superintendents, senior high school principals, and counselors in the major metropolitan areas throughout the State of Ohio to let them know about what we are doing on our campus. They have been very effective in the sense that they have called upon the various high schools around the State to invite us in and to provide a model. This model is very different from the traditional model of two or three recruiters going into the schools, placing the catalogue before the students and just saying "come." In many instances in the past when we have written to these high schools, they have placed our announcements on bulletin boards and students may or may not have been aware of the fact of our coming. It has not been uncommon for us to go to high schools with very high concentrations of minority students only to discover that four or five had been notified.

What we are doing now is having student receptions in high schools where we have 50% or more minority students. We have been meeting with 50 to 125 students at a time -- meeting at a time that is convenient for them and their particular counselors. Sometimes we go in the morning and have a continental breakfast or something of the sort and sit down and spend about an hour. We take with us our staff, our Director of the Freshman Foundation Program, our Director of the Minority Scholars Program, 2 or 3 academic counselors, and some students who are graduates of the particular high school we are attending. We have found that the results have been gratifying. In fact, our application rate is 28% above what it was this time last year. Our acceptance rate is much higher than it was last year. So what we are saying is, that the Action Plan is not only in place on paper, but as Ramseyer used to say "we are cutting through the paper." We are really getting some implementation going there.

The other thing that we would like to bring to your attention is that we noticed in 1980 that at this institution, as far as top minority scholars were concerned, it was extremely difficult for us to attract them. We had 80 national merit semi-finalists and of those 80 only four remained in the State of Ohio, and only one of those four came to The Ohio State University. As a result, with your support and your encouragement, we established what we called a Minority Scholars Program in 1982. It began with a pilot effort right here in downtown Columbus, with the sixteen public high schools. We were able to offer 21 of our top, brightest students scholarships to come here at the level of \$1,000 a year. These are students who had completed the college preparatory curriculum and had a 3.0 average, B average or above. That program has since evolved to the point that the following year we brought in 45 students, the next year 60 students, 85, and as of this year we brought in 130 of those students. We anticipate that this September we will have 175 of those students.

May 4 and 5, 1988 meeting, Board of Trustees

Dr. Hale: (contd)

What has really excited us is the fact that we have already engaged five of the top scholars right here in Columbus and Franklin County. Those students were able to meet with the President the day before yesterday -- the number one students at Briggs, Independence, Columbus Alternative, and Brookhaven, and the number two student at Dublin High School. All of these students rank at the very highest levels -- 3.75 and above and scoring at the level of 26 and above on the ACT. We think this is extremely remarkable. It is like going out and getting the top recruits in football. We have, in fact, landed a coup getting the very top students for The Ohio State University this coming year. We want to thank you for creating the kind of atmosphere that lets people know that we mean business at The Ohio State University with respect to affirmative action.

We have two other programs that we think in the long run, over and beyond the Young Scholars Program, are going to provide us with the foundation to attract more and more better students. We had, as you know, in October 1985 a community forum on this campus in which we invited the Vice President for the College Board to come to our campus, Adrienne Bailey. And what we were doing at that time was evaluating the report, "Equality and Excellence: The Educational Status of Black Americans." In that report we noted that most black students are tracked into vocational areas in the high schools and have not taken the kind of academic content courses -- the science courses, the technical courses -- that would make them competitive. We said we wanted to do something about that in Columbus and Franklin County. And what we did was to invite a team of persons from 42 schools in Columbus -- sixteen high schools and twenty-six middle schools -- an administrator, a high school counselor, a teacher of math, a teacher of english, and a parent representative; a team of five from each of those 42 schools. And to show you the kind of support that we have from the Columbus Public Schools, they granted those 210 persons a full day leave so that they could come out here and interact with our people in the English Department, and in the Math Department, and in other departments throughout the University.

As a result of that, we have established a College Readiness Program on our campus, in which we provide offices over in Scott Hall for two personnel from the Columbus Public Schools. All through the year now students are being shuttled in and out of this University so that our departments and colleges can "show and tell" what the possibilities are for the future. Along with that, beginning this summer, we will have an early-bird program that has been funded by the Affirmative Action Grant Program at this University. We will be inviting 142 middle school students from the eight middle schools that are contiguous with to The Ohio State University in the northeast/northwest quadrants. We know that if we capture these students early enough, it is going to make a difference, and in the future we will not have to pine because of the fact that only 26% of black high school students are enrolling in college -- many for financial reasons, but many more because they have been inadequately prepared.

May 4 and 5, 1988 meeting, Board of Trustees

Dr. Hale: (contd)

So we are pleased that we have the kind of collaboration that is going on between Ohio State University, the Columbus Public School system, and other school systems throughout the state. We know that this could not have been done without your support and without your help. And because of that fact, we wanted to acknowledge that support, express appreciation for it, and give you an update in terms of what is going on. Thank you very much.

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ELECTION OF OFFICERS
BOARD OF TRUSTEES

Resolution No. 88-116

Mr. Scott read the Nominating Committee's report in which the following slate of officers were recommended:

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, 1988) and shall hold their office through the May 1989 meeting:

NOW THEREFORE

BE IT RESOLVED, That the following slate of officers for 1988-89 be elected:

Leonard J. Immke, Chairman

John W. Berry, Vice Chairman

Madison H. Scott, Secretary

James L. Nichols, Treasurer

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

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Mr. Redman:

I would now like to have the committee reports, and first the Research Foundation, Mr. Barone --

Mr. Barone:

Mr. Chairman, at this time I would like to read a short report of the Research Foundation, I believe you all have it.

The Research Foundation grants and contracts for the month of March 1988 are shown in the Board agenda book. There are 102 awards listed which provide a gross income of \$9.5 million.

May 4 and 5, 1988 meeting, Board of Trustees

Mr. Barone: (contd)

For the first nine months of the fiscal year (July 1, 1987 to March 31, 1988) we received 896 awards with a gross income of \$76 million. Last year at this time we had 792 awards with a gross income of \$63.8 million. This represents a 19 percent increase in funding for the nine month period.

The Federal sector increased significantly this month due largely to increased funding from the Department of Health and Human Services. Funding increases were also received from the State of Ohio and the Other Non-Federal sectors for the month of March 1988.

Some highlights of awards for March are:

- \$504,000 award from the National Institutes of Health to David J. Lim of the College of Medicine for continuation of research into inflammation of the middle ear.
- \$400,000 award from the Department of Education to Sheldon R. Simon of the Department of Surgery and colleagues in medicine and engineering to set up a rehabilitation engineering center for the study of human performance.
- \$194,000 award from the National Institutes of Health to Dean John M. Cassady of the College of Pharmacy for research on the natural inhibitors of cancer.
- \$50,000 award from the Ohio Air Quality Development Authority to Walter E. Carey of the Office of Radiation Safety to develop a course to train contractors in the correction of radon problems in homes.

These are some of the most interesting awards from the report. It shows an increase in the research department, but I think we should all be proud of the people that are doing it. Next month we will have our annual election of officers. That concludes my report, Mr. Chairman.

Mr. Redman:

Thank you, Mr. Barone. We would like to now have the Development Fund Board from Mr. Kessler.

Mr. Kessler:

No report.

Mr. Redman:

O.K. The University Hospitals Board --

Mrs. Bowser:

Yes, Mr. Chairman. You will have to bear with me while I read this. We met last Thursday and we used our new committee format. We all met simultaneously, so I wasn't in all the

May 4 and 5, 1988 meeting, Board of Trustees

Mrs. Bowser: (contd)

committee meetings. We now have three committees: the Professional Affairs Committee, the Administrative/Operations Committee, and the Strategic Planning Committee.

The Professional Affairs Committee reviewed the present Emergency Department admissions policy and learned that our new Risk Manager had joined the organization. We expect to receive a report from him in the next several months. Dr. Keller reported on our quality assurance activities in the Emergency Department and we learned of the need to improve centralization of patient records in both the Hospitals and Clinics. This is an area that will continue to be studied by the Medical Staff Administrative Committee as well as by the Board. Dr. Cornwell gave an overview of the College of Medicine research activities and we anticipate that this will be a regular agenda item for this Committee. We also learned of Dr. Balcerzak's application to the Board of Regents for funding for an Eminent Scholar grant in Cancer. We were quite impressed with the extent of the work that has been done in this regard, as well as his efforts to lead the grant team.

In the Administrative/Operations Committee it was reported by the Hospitals Administration that the Hospitals will finish the year close to budget projections and that we will receive the budget for 1988-89 at our May meeting. Mr. Ihrig gave a fine presentation on the University overhead assessments to the Hospitals. We were very appreciative of the summary he provided to the Committee. We received a report on our MedOhio facilities, similar to that which the Board of Trustees heard from Mr. Covert last month. The Committee discussed traffic and parking concerns at length, and asked that a study be jointly conducted by Mr. Jackson and Mr. Covert to identify ways to improve our efficiency on behalf of patients, visitors and employees.

The Strategic Planning Committee, of which I am a member, met and approved the Strategic Plan for the College of Medicine. You may remember we have been working on this for several years and it's now come to its finalized form. Also approved were a series of goals to be completed by the administration in 1988 and 1989, relative to implementation of the plan. I think that plan will be presented to the President and he in turn will present it to the Board of Trustees in the very near future.

Following the committee meetings the Hospitals Board met and we presented a formal resolution to Mr. Bill Hagler, who is a nephew of Mrs. Josephine Failer. We received a rendering from the Hospitals' administration on a new signage for the Failer Plaza in front of the Hospitals. You may remember that that Plaza was dedicated to Jo and, true to Jo's personality and form, she wanted very little designation. And the Hospitals Board feels now that they would like to make that a little bit more prominent, so we did have a rendering and that will be proceeding.

May 4 and 5, 1988 meeting, Board of Trustees

Mrs. Bowser: (contd)

I recommended that the Board members schedule a day-long seminar to allow time for reflection on stewardship responsibilities and optimal ways to carry them out. Mr. Covert has agreed to arrange for such a seminar, as well as for a joint meeting between the Hospitals Board and the Board of Trustees. That will be coming up, I suppose, in the next six weeks and I really urge you all to try to attend.

Submitted by Leonard J. Immke and Shirley D. Bowser.

Mr. Redman:

Does that complete your report, Mrs. Bowser?

Mrs. Bowser:

Yes, that's it.

Mr. Redman:

I might say that since I have been interested in the billing at the Hospitals Clinic we have moved to the point where Ernst and Whinney have made their first determination of the various practice plans. This was according to the new schedule and I hope that the Board will designate someone to foster the implementation of the plan which has now been agreed to. I have talked to Mike Covert and Dr. Tzagournis about the other side of the billing which is of the Hospitals services, separate from the physicians services. They are moving forward in that area with the idea of having a single bill for the Hospitals side. It would appear that for the moment there are no hurdles -- everybody has agreed to go ahead. There are some physicians who have reservations about the plan but are willing to cooperate. I think it is up to us to implement it and help the doctors anyway we can to get in installed.

Mrs. Bowser:

Mr. Chairman, I think you should be commended publicly for your interest in this area and I would say you probably moved that along about five years. That is your area of expertise and I think that those present should know that you handled it beautifully. And I except that challenge to see that it's on schedule.

Mr. Redman:

Very well. I think that is about all I can offer. Except to say that I've told the Committee that if I could be helpful, I will be glad to come back and help anyway I can to implement the darn thing.

Mr. Teaford:

Well, we'll tell them if they don't shape up, you're coming back. That will scare them.

May 4 and 5, 1988 meeting, Board of Trustees

Mr. Redman:

Jennings is glad enough to be rid of me now, he doesn't want me hanging around here. Have we anything else then, Mr. Secretary? Mr. President will you present your agenda.

Mr. Teaford:

Mr. Chairman, you have wanted a report from me on the Foundation Board for some time and I have one finally.

Mr. Redman:

O.K., Mr. Teaford. I'm surprised, but I am willing.

Mr. Teaford:

As you know, that Board only meets twice a year and so it gives me very little opportunity to report, but we did indeed meet last month. You have heard the report in terms of the money and how much has come in from Vice President Tobin. One of the things we discussed is what do we do when we hit the goal before the end. There was a good discussion on that, and I think you will soon find out what we will do.

The only other thing of interest was -- it is interesting to me that very little of the money that is being donated is actually in the Foundation. It is almost all coming into the University. The Foundation Board adopted a policy some time ago that until there is at least \$10 million there it would be invested as part of the University's portfolio. There is still only about \$4 million in their coffers, so that continues to be the way they do it. The officers were reelected at the last meeting as well.

Mr. Redman:

Do you find anything wrong with that, Mr. Teaford?

Mr. Teaford:

No, I like it as a matter of fact. That is my report, Mr. Chairman.

Mr. Redman:

Thank you. You are going to urge Mr. Tobin to speed up the contributions, I assume, so we will get our goal by the year end.

Mr. Teaford:

That's right.

Mr. Redman:

We don't want him to rest on his laurels.

May 4 and 5, 1988 meeting, Board of Trustees

Mr. Teaford:

That's right, that's right, no sitting back. He leaned forward when you said that.

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AMENDMENTS TO THE RULES OF THE UNIVERSITY FACULTY

Resolution No. 88-117

Synopsis: Amendments to rules 3335-5-452 and 3335-5-494 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 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 9, 1988, as follows:

AMENDED RULES

3335-5-452 Secretary of the university senate.

(A) Unchanged.

(B) The responsibilities of the secretary of the university senate will be to:

(1) Unchanged.

(2) Unchanged.

(3) Serve as a voting member of the program committee and the rules committee, an ex officio, non-voting member of the steering committee of the university senate, and an ex officio member of the faculty advisory committee to the chancellor of the Ohio board of regents (FAC). (See Rule 3335-5-494 of the Administrative Code.)

Balance unchanged.

3335-5-494 Faculty advisory committee to the chancellor of the Ohio board of regents (FAC).

(A) The university's representation to the FAC shall consist of two regular faculty members and the secretary of the university senate.

(B) One faculty member shall be elected every two years, for a term of four years, commencing autumn quarter. During the first two years of the term the member shall be the representative-elect to the FAC. During the third and fourth years of the term, the member shall be the representative to the FAC. Faculty representatives will be eligible for re-election. The secretary of the university senate shall serve for the duration of the secretary's appointment.

May 4 and 5, 1988 meeting, Board of Trustees

AMENDMENTS TO THE RULES OF THE UNIVERSITY FACULTY (contd)

- (C) The representative-elect shall be nominated by the executive committee of the faculty council and elected by the faculty council. The ballot shall include at least one more name than there are positions to be filled and shall provide space for write-in votes. When an unexpired term becomes vacant, the vacancy shall be filled in a manner consonant with the original method of selection. A member selected to fill such a vacancy shall serve for the duration of the unexpired term.
- (D) The president shall report the names of the faculty representatives to the chancellor of the Ohio board of regents.
- (E) Unchanged.

NOW THEREFORE

BE IT RESOLVED, That the foregoing amendments to the Rules of the University Faculty be adopted as recommended by the University Senate.

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

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DEGREES AND CERTIFICATES - SPRING QUARTER COMMENCEMENT

Resolution No. 88-118

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

NOW THEREFORE

BE IT RESOLVED, That the degrees and certificates be conferred on June 10, 1988, 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 Ms. Casto, seconded by Mr. Teaford, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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May 4 and 5, 1988 meeting, Board of Trustees

PERSONNEL ACTIONS

Resolution No. 88-119

RESOLVED, That the personnel actions as recorded in the Personnel Budget Records of the University since the April 8, 1988 meeting of the Board, including the following Appointments, Appointment of Chairperson of Academic Faculty, Reappointment of Chairpersons of Departments, Leave of Absence Without Salary, Leave of Absence Without Salary--Change of Dates, Professional Improvement Leaves, Professional Improvement Leave--Cancellation, and Emeritus Titles as detailed in the University Budget be approved, and the Medical Staff Appointments approved March 31, 1988, by the Hospitals Board be ratified.

Appointments

Name: HOWARD P. FINK
Title: Professor (The Isadore and Ida Topper Professorship in Law)
College: Law
Effective: August 16, 1988
Salary: \$88,440.00
Present Position: Professor (The Joseph S. Platt-Porter, Wright, Morris, and Arthur Professorship in Law Fund)

Name: JOHN C. HUNTINGTON
Title: Professor (The Bliss M. and Mildred A. Wiant Designated Professorship in Chinese Literature and Culture)
Department: History of Art
Effective: October 1, 1988
Salary: \$47,520.00
Present Position: Professor, Department of History of Art

Name: LEE M. MODJESKA
Title: Professor (The Joseph S. Platt-Porter, Wright, Morris, and Arthur Professorship in Law Fund)
College: Law
Effective: August 16, 1988
Salary: \$80,880.00
Present Position: Professor, College of Law

Name: KENNETH G. WILSON
Title: Professor (Hazel C. Youngberg Trustees Distinguished Professorship)
Department: Physics
Effective: August 1, 1988
Salary: \$133,320.00
Present Position: Professor, Cornell Theory Center, Cornell University, Ithaca, NY

Appointment of Chairperson of Academic Faculty

July 1, 1988 through September 30, 1992

Management Sciences

David Schilling

May 4 and 5, 1988 meeting, Board of Trustees

PERSONNEL ACTIONS (contd)

Reappointment of Chairpersons of Departments

July 1, 1988 through June 30, 1992

Geology and Mineralogy

Peter N. Webb

October 1, 1988 through September 30, 1992

Geodetic Science and Surveying

Ivan I. Mueller

Leave of Absence Without Salary

RICHARD W. BURROWS, Assistant Professor, Department of Dance, effective Spring Quarter 1988, to continue his work as a free-lance artist.

Leave of Absence Without Salary--Change of Dates

GALAL L. WALKER, Assistant Professor, Department of East Asian Languages and Literatures, change leave from Autumn Quarter 1987 and Winter Quarter 1988, to Autumn Quarter 1987 and Spring Quarter 1988.

Professional Improvement Leaves

TIM M. BERRA, Professor, Department of Zoology (Mansfield Campus), effective Autumn Quarter 1988, Winter Quarter and Spring Quarter 1989.

GORDON M. CLARK, Professor, Department of Industrial and Systems Engineering, effective Autumn Quarter 1988, Winter Quarter and Spring Quarter 1989.

DEREK HORTON, Professor, Department of Chemistry, effective Autumn Quarter 1988 and Winter Quarter 1989.

EDWARD J. KANE, Professor, Department of Economics and Academic Faculty of Finance, effective Autumn Quarter 1988, Winter Quarter, Spring Quarter and Summer Quarter 1989.

GARY L. KINZEL, Professor, Department of Mechanical Engineering, effective Autumn Quarter 1988, Winter Quarter and Spring Quarter 1989.

P. JOHN KOZYRIS, Professor, College of Law, effective Autumn Semester 1988, and Spring Semester 1989.

PETER A. MAGARO, Professor, Department of Psychology, effective Autumn Quarter 1988, Winter Quarter and Spring Quarter 1989.

PATRICK C. MCKENRY, Professor, Department of Family Relations and Human Development, effective September 1, 1988 through June 8, 1989.

JAMES E. MEEKS, Professor, College of Law, effective Autumn Semester 1988.

HOWARD A. I. NEWMAN, Professor, Department of Pathology, effective September 1, 1988 through August 31, 1989.

JOHN C. RULE, Professor, Department of History, effective Autumn Quarter 1988, Winter Quarter and Spring Quarter 1989.

May 4 and 5, 1988 meeting, Board of Trustees

PERSONNEL ACTIONS (contd)

Professional Improvement Leaves (contd)

PATRICIA M. SCHWIRIAN, Professor, Department of Family and Community, effective Autumn Quarter 1988, Winter Quarter and Spring Quarter 1989.

WILLIAM M. SUMNER, Professor, Department of Anthropology, effective Autumn Quarter 1988, Winter Quarter and Spring Quarter 1989.

WALTER C. SWEET, Professor, Department of Geology and Mineralogy, effective Autumn Quarter 1988, Winter Quarter and Spring Quarter 1989.

STEPHEN R. ACKER, Associate Professor, Department of Communication, effective Autumn Quarter 1988, Winter Quarter and Spring Quarter 1989.

RICHARD R. CENTING, Associate Professor, University Libraries, effective July 5, 1988 through October 3, 1988.

PETER L. CHESSON, Associate Professor, Department of Zoology, effective Autumn Quarter 1988, Winter Quarter and Spring Quarter 1989.

SUZANNE K. DAMARIN, Associate Professor, Department of Educational Policy and Leadership, effective Autumn Quarter 1988, Winter Quarter and Spring Quarter 1989.

JOSEPH F. DASTA, Associate Professor, College of Pharmacy, effective June 20, 1988 through June 19, 1989.

J. ERIC JUTERBOCK, Associate Professor, Department of Zoology (Lima Campus), effective Autumn Quarter 1988, Winter Quarter and Spring Quarter 1989.

JAY S. KIM, Associate Professor, Academic Faculty of Management and Human Resources, effective Autumn Quarter 1988, Winter Quarter and Spring Quarter 1989.

ELIZABETH G. MENAGHAN, Associate Professor, Department of Sociology, effective Autumn Quarter 1988, Winter Quarter and Spring Quarter 1989.

WILLIAM F. OGDEN, Associate Professor, Department of Computer and Information Science, effective Autumn Quarter 1988, Winter Quarter and Spring Quarter 1989.

LEROY PERNELL, Associate Professor, College of Law, effective Autumn Semester 1988.

RICHARD ROTH, Associate Professor, Department of Art, effective Autumn Quarter 1988, Winter Quarter and Spring Quarter 1989.

JAMES E. SCHULTZ, Associate Professor, Department of Mathematics, effective Autumn Quarter 1988, Winter Quarter and Spring Quarter 1989.

ROBERT J. STANTON, Associate Professor, Department of Mathematics, effective Autumn Quarter 1988, Winter Quarter and Spring Quarter 1989.

DONALD A. SYLVAN, Associate Professor, Department of Political Science, effective Autumn Quarter 1988, Winter Quarter and Spring Quarter 1989.

May 4 and 5, 1988 meeting, Board of Trustees

PERSONNEL ACTIONS (contd)

Professional Improvement Leaves (contd)

KAMBIZ VAFAI, Associate Professor, Department of Mechanical Engineering, effective Autumn Quarter 1988, Winter Quarter and Spring Quarter 1989.

GIFFORD WEARY, Associate Professor, Department of Psychology, effective Autumn Quarter 1988, Winter Quarter and Spring Quarter 1989.

STUART H. ZWEBEN, Associate Professor, Department of Computer and Information Science, effective Autumn Quarter 1988, Winter Quarter and Spring Quarter 1989.

DIANNE L. ALMENDINGER, Assistant Professor, Department of Art (Mansfield Campus), effective Autumn Quarter 1988, Winter Quarter and Spring Quarter 1989.

DAPHNE C. HSUEH, Assistant Professor, University Libraries, effective August 15, 1988 through June 15, 1989.

IONIA M. ZELENIKA, Assistant Professor, Department of Theatre, effective Autumn Quarter 1988, Winter Quarter and Spring Quarter 1989.

Professional Improvement Leave--Cancellation

GRADY W. CHISM III, Associate Professor, Department of Food Science and Nutrition, effective Autumn Quarter 1988 and Winter Quarter 1989.

Emeritus Titles

CHARLES E. HERDENDORF, Department of Zoology, with the title Professor Emeritus, effective April 1, 1988.

CURT LEBEN, Department of Plant Pathology, with the title Professor Emeritus, effective May 1, 1988.

MARY M. ANDRIAN, Department of Home Economics Education, with the title Assistant Professor Emeritus, effective May 1, 1988.

PATSY L. GLASS, Cooperative Extension Service, with the title Assistant Professor Emeritus, effective May 1, 1988.

MARGARET A. HOSTETLER, Cooperative Extension Service, with the title Assistant Professor Emeritus, effective May 1, 1988.

Upon motion of Amb. Wolf, 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. 88-120

Synopsis: A resolution honoring the service of one of the University's faculty members who has recently died is being proposed.

May 4 and 5, 1988 meeting, Board of Trustees

RESOLUTION IN MEMORIAM (contd)

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.

Ross L. Mooney

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on February 7, 1988, of Dr. Ross L. Mooney, Professor Emeritus in the Department of Educational Policy and Leadership.

Born on April 17, 1906, Dr. Mooney attended public schools in Lebanon, Ohio. He later received his A.B. from Miami University in 1929, and his Ph.D. from Yale University in 1935. He was appointed Assistant Professor and Research Associate to the Bureau of Educational Research at The Ohio State University in 1938, where he did research in the college personnel field. He served as Acting Junior Dean (personnel officer) and Acting Dean of the College of Education during 1944-45. He was appointed Professor and Research Associate of the Bureau of Educational Research in 1946 and did research on education as a creative enterprise. Dr. Mooney was appointed Coordinator of Research in the College of Education at The Ohio State University from 1957-60 where he developed research programs in education, psychology, music, and fine arts. He returned to the Bureau of Educational Research and Service in 1960, and remained until 1965 when the Bureau was dissolved into the School of Education. Upon his retirement in 1975, he was named Professor Emeritus.

In the Americans Abroad Program of the U.S. Department of State, Dr. Mooney served as consultant to The Henrietta Szold Institute (an agency for research and development in education) in Jerusalem, Israel. He was a member of the NDEA Guidance Institute staff at the University of Maine during the summers of 1961, 1962, 1966, and 1967. He was also a consultant to the Engineer Research and Development Laboratories, Army Corps of Engineers in the summer of 1956. He had been the major participant and lecturer in nationally sponsored workshops by the Council for Advancement of Small Colleges (1965); Phi Delta Kappa (1964); U.S. Office of Education (1964); University Council for Educational Administration (1961); Carnegie Corporation (1962); and the National Science Foundation (1957). Also, with similar services to universities such as: MIT, Stanford, Chicago, North Carolina, Syracuse, Pennsylvania State, and Harvard.

Dr. Mooney wrote numerous publications in the personnel and guidance field (e.g., Mooney Problem Check Lists); in educational administration (e.g., "The Problem of Leadership in the University," Harvard Educational Review, Winter 1963); and in the field of "education as a creative enterprise" (most recently, with Taher Razik, Explorations in Creativity, Harper & Row, Publishers, 1967).

At the June 1973 Commencement, Dr. Mooney received the University's Distinguished Teaching Award. In recent years, he continued to work with graduate students and colleagues in an active role as Professor Emeritus.

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 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.

May 4 and 5, 1988 meeting, Board of Trustees

RESOLUTION IN MEMORIAM (contd)

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

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REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS

Resolution No. 88-121

Synopsis: The reports on contracts, grants, and gifts and the summary for March 1988 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 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 and The Ohio State University Development Fund during the month of March 1988 be approved.

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

SUMMARY FOR MARCH 1988

Source	No. of Projects	Support Level
The Ohio State University Research Foundation	102	\$9,504,451.24
Engineering Experiment Station	61	\$ 452,271.00
Total	163	\$9,956,722.24
The Ohio State University Development Fund		
Establishment of Named Funds		
The Henry G. Cramblett Fund in Medicine (To establish an endowed chair)		\$ 500,000.00
The Lawrence D. Jones Scholarship Fund (Scholarships - engineering majors)		\$ 40,000.00

May 4 and 5, 1988 meeting, Board of Trustees

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

SUMMARY FOR MARCH 1988 (contd)

The Ohio State University Development Fund (contd)

Establishment of Named Funds (contd)

The John H. and Mabel D. Herrick Fund (College of Education - to support projects designed to attract and hold competent faculty and staff members)	\$ 30,400.00
Bogner Endowment Fund (Scholarships - construction technology program at ATI)	\$ 25,000.00
Feibel Lecture Fund (Sponsor an annual community lecture on Judaism and law)	\$ 15,000.00

Change of Name and Description of Named Funds

From: The Milton Caniff Research Room Fund	
To: Milton Caniff Endowment Fund	
From: Hazel C. Youngberg Memorial Fund	
To: The Hazel C. Youngberg Trustees Distinguished Professorship	

Recision of Named Fund

The Frank E. and Harriet E. Hedrick Aviation Student Award Fund
(Converted to a current use account upon the request of The Hedrick
Foundation.)

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

The Ohio State University Campaign
 Progress Report
 @ March 31, 1988

	*Campaign Expectancies	Current Year Campaign Receipts (Jul 87-Mar 88)	Previous Years' Campaign Receipts As of June 30, 1987	Total	Campaign Goal	% Achieved
Alumni	\$66,058,318	\$7,372,265	\$27,516,929	\$100,947,512	\$122,500,000	82
Friends	34,974,485	5,564,945	20,800,770	61,340,200	70,000,000	88
**Corporations	12,477,360	9,780,692	66,838,006	89,096,058	122,500,000	73
Foundations	<u>2,898,000</u>	<u>7,680,563</u>	<u>8,925,528</u>	<u>19,504,091</u>	<u>35,000,000</u>	56
Totals	\$116,408,163	\$30,398,465	\$124,081,233	\$270,887,861	\$350,000,000	77

*Defined as pledges and deferred commitments less payments already received.

**Corporations, businesses, associations and private agencies.

THE OHIO STATE UNIVERSITY
 OFFICE OF UNIVERSITY DEVELOPMENT
 OSU FOUNDATION & DEVELOPMENT FUND RECEIPTS

July-March
 1986-87 Compared to 1987-88

GIFT RECEIPTS BY DONOR TYPE

	Donors			Dollars		
	July	through	March	July	through	March
	<u>1986-87</u>	<u>1987-88</u>	<u>% Change</u>	<u>1986-87</u>	<u>1987-88</u>	<u>% Change</u>
Alumni	40,644	39,525	(3)	\$12,538,558	\$7,372,265	(41)
Non Alumni	19,184	17,967	(6)	8,214,046	5,564,945	(32)
Corporations	1,363	1,687	24	7,550,754	6,370,378	(16)
Corporate Foundations	239	235	(2)	1,507,234	1,439,672	(4)
Private Foundations	110	128	16	2,425,416	7,680,563	217
Other	<u>552</u>	<u>1,002</u>	82	<u>1,975,129</u>	<u>1,970,642</u>	-
TOTAL	62,092	60,544	(2)	\$34,211,137	\$30,398,465	(11)

REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS (cont'd)

May 4 and 5, 1988 meeting, Board of Trustees

May 4 and 5, 1988 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION

Report - March 1988

Federal Research Contracts/Grants

\$1,061,400.00 - Department of Energy, Argonne, Illinois, High Energy Physics, Department of Physics (High Energy Physics Group: S. Durkin, H. P. Kagan, R. D. Kass, K. D. Lane, T. Y. Ling, A. J. Niemi, W. F. Palmer, S. S. Pinsky, N. W. Reay, K. Reibel, T. A. Romanowski, J. Shigemitsu, R. A. Sidwell, N. R. Stanton, G. Steigman, K. Tanaka, and W. W. Wada), 1 May 1988 through 15 November 1988. (Project 762116 - Continuation)

\$965,531.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, General Clinical Research Center, College of Medicine - Administration (M. Tzagournis) and Department of Internal Medicine (W. Malarkey), 1 April 1988 through 30 November 1988. (Project 761196 - Continuation)

\$503,576.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Otitis Media with Effusion: Human Studies, Department of Otolaryngology (D. J. Lim), 1 December 1987 through 30 November 1988. (Project 760043 - Continuation)

\$400,000.00 - Department of Education, Washington, D.C., Rehabilitation Engineering Center for the Quantification of Human Performance, Department of Surgery (S. R. Simon), Department of Preventive Medicine (W. S. Pease), Department of Industrial and Systems Engineering (P. J. Smith and W. S. Marras), and Department of Electrical Engineering (H. N. Hemami), 1 February 1988 through 31 January 1989. (Project 766622 - New)

\$344,701.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Cooperative Human Tissue Network, Comprehensive Cancer Center and Department of Pathology (K. Clausen) and Comprehensive Cancer Center and Department of Physiological Chemistry (R. W. Trewyn), 1 January 1988 through 31 December 1988. (Project 765857 - Continuation)

\$332,557.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Pathobiological Determinants of Atherosclerosis in Youth, Department of Surgery (J. F. Cornhill), 1 March 1988 through 28 February 1989. (Project 764727 - Continuation)

\$278,490.00 - Department of Health and Human Services, Public Health Service, Health Resources and Services Administration, Rockville, Maryland, Proposal for Doctoral Program: The Ohio State University Advanced Nurse Training Grant, Department of Family and Community Nursing (E. M. Menke), 1 March 1988 through 28 February 1989. (Project 764615 - Continuation)

\$240,910.00 - Department of Health and Human Services, Public Health Service, Alcohol, Drug Abuse and Mental Health Administration, Bethesda, Maryland, Caregivers of AD Victims: Stress and Mental Health, Department of Psychiatry (J. Klecolt-Glaser) and Department of Microbiology and

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

Immunology (M. R. Glaser), 1 April 1988 through 31 March 1989. (Project 765958 - Continuation)

\$240,000.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Multi-User Application for an Electron Microscope, Department of Anatomy (R. W. Burry), 29 February 1988 through 28 February 1989. (Project 766623 - New)

\$193,682.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Chemistry of Novel Natural Inhibitors of Carcinogenesis, College of Pharmacy (J. M. Cassady), 1 April 1988 through 31 March 1989. (Project 766665 - New)

\$185,187.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, RNA Splicing in Neurospora Mitochondria, Department of Molecular Genetics (A. M. Lambowitz), 1 April 1988 through 31 March 1989. (Project 765596 - Continuation)

\$165,452.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Synthesis of Biologically Important Carbohydrates, Department of Chemistry (D. Horton), 1 February 1988 through 31 January 1989. (Project 760025 - Continuation)

\$159,990.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Synthesis of Unusual Biologically Active Terpenes, Department of Chemistry (L. A. Paquette), 1 April 1988 through 31 March 1989. (Project 763497 - Continuation)

\$158,555.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Cardiopulmonary Actions -- Trimetoquinol Analogs, College of Pharmacy (D. D. Miller and D. R. Feller), 1 April 1988 through 31 March 1989. (Project 761574 - Continuation)

\$157,997.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Neural Control of Human Intestinal Mucosa, Department of Physiology (H. J. Cooke), 1 April 1988 through 31 December 1988. (Project 765037 - Continuation)

\$153,286.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Pre- and Post-Operative T-Cell Function, Department of Surgery (R. M. Ferguson), 1 January 1988 through 31 January 1989. (Project 766505 - New)

\$138,543.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Mechanistic Studies of Xanthine Oxidase, Department of Physiological Chemistry (C. R. Hille), 1 April 1988 through 31 March 1989. (Project 766661 - 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)

\$137,804.00 - Environmental Protection Agency, Washington, D.C., Fate of DNA Damage in Human Fetal Cells, Department of Radiology (S. M. D'Ambrosio and A. A. Wani), 1 May 1988 through 30 April 1989. (Project 763308 - Continuation)

\$131,000.00 - National Science Foundation, Washington, D.C., Liquid and Solid Helium at Very Low Temperatures, Department of Physics (D. O. Edwards), 1 April 1988 through 30 September 1989. (Project 764034 - Continuation)

\$125,684.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Ia Expression by Macrophages from Bcg^R and Bcg^S Mice, Department of Microbiology (B. S. Zwilling), 1 April 1988 through 31 March 1989. (Project 765985 - Continuation)

\$123,728.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Cellular Mechanisms of Human Immunosenescence, Department of Internal Medicine (R. Whisler), 1 March 1988 through 28 February 1989. (Project 763761 - Continuation)

\$114,295.00 - Department of the Air Force, Air Force Systems Command, Bolling Air Force Base, D.C., Mechanisms of Chemical Modulation Toxicity of the Immune System, Department of Veterinary Pathobiology (M. J. Tarr and R. G. Olsen), 15 April 1986 through 14 April 1989. (Project 765335 - Continuation)

\$111,400.00 - National Science Foundation, Washington, D.C, Mechanisms of Polycrystalline Strain Propagation: Controlled Orientations and Applied Stress Fields, Department of Metallurgical Engineering (W. A. T. Clark and R. H. Wagoner), 1 January 1988 through 31 December 1988. (Project 765832 - Continuation)

\$108,034.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Oral Tolerance in Allergic Encephalomyelitis, Department of Microbiology and Immunology (C. C. Whitacre), 1 April 1988 through 31 March 1989. (Project 765266 - Continuation)

\$107,262.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Human Thrombin: Binding and Recognition Sites, Department of Chemistry (L. J. Berliner), 1 February 1988 through 31 January 1989. (Project 761742 - Continuation)

\$100,100.00 - National Science Foundation, Washington, D.C., Basic Mechanisms of Sliding Friction and Wear, Department of Metallurgical Engineering (D. A. Rigney), 15 March 1988 through 14 February 1989. (Project 766644 - 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)

\$94,387.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Biomimetic Metal Complexes of Macrocyclic Ligands, Department of Chemistry (D. H. Busch), 1 December 1987 through 30 November 1988. (Project 761501 - Continuation)

\$91,842.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Energetics of Contraction in Single Muscle Cells, Department of Physiology (J. A. Rall), 1 April 1988 through 31 March 1989. (Project 760993 - Continuation)

\$89,316.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Intestinal Function in a Hibernator: Adaptive Changes, Department of Physiology (H. V. Carey), 1 March 1988 through 31 December 1988. (Project 766634 - New)

\$86,852.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Structure of Ribosomal 5S RNA and 5.8S RNA, Department of Chemistry (A. G. Marshall), 1 January 1988 through 31 December 1988. (Project 762523 - Continuation)

\$84,780.00 - Department of Labor, Washington, D.C., Private Sector Participation in Postsecondary Vocational Education, The National Center for Research in Vocational Education (R. D. Ryan), 19 February 1988 through 18 February 1989. (Project 766607 - New)

\$74,393.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, BNCT (Boron Neutron Capture Therapy) Accelerator Target Assembly Design and Testing, Department of Mechanical Engineering (T. E. Blue) and Department of Radiology (R. Gahbauer), 1 April 1988 through 31 March 1989. (Project 766660 - New)

\$73,000.00 - Department of the Air Force, Air Force Systems Command, Hanscom Air Force Base, Massachusetts, Improved Gravity Field Estimation Procedures and the Development of Improved Reference Frames, Department of Geodetic Science and Surveying (R. H. Rapp), 1 October 1987 through 31 July 1988. (Project 765306 - Continuation)

\$73,000.00 - National Science Foundation, Washington, D.C., Collaborative Research: Climatic History of the Western Amazon Basin and the Equatorial Andes Since 18K, Department of Zoology (P. A. Colinvaux), 8 January 1988 through 31 January 1989. (Project 766323 - Continuation)

\$66,801.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Receptor Regulation of Adrenal Catecholamine Secretion, College of Pharmacy (D. M. McKay), 1 April 1988 through 31 March 1989. (Project 765968 - Continuation)

\$66,618.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, A Study of

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

DNA Intercalating Aromatic Amino Azides, Department of Chemistry (M. S. Platz), 1 December 1987 through 30 November 1988. (Project 765804 - Continuation)

\$60,869.00 - Department of the Air Force, Air Force Systems Command, Bolling Air Force Base, D.C., Fundamental Research on Erosion in Magnetoplasmadynamic Thrusters, Department of Mechanical Engineering (J. W. Rich), 30 September 1988 through 29 September 1989. (Project 766307 - Continuation)

\$60,042.00 - National Science Foundation, Washington, D.C., Accomplishment Based Research on Study of Gas-Liquid-Solid Fluidization, Department of Chemical Engineering (L. S. Fan), 1 May 1988 through 31 October 1989. (Project 765308 - Continuation)

\$51,736.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Kinetics and Mechanisms of Lipid Phase Transitions, Department of Chemistry (M. Caffrey), 1 January 1988 through 31 December 1988. (Project 766638 - New)

\$51,587.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Computer-Based Pathology Consultation, Department of Pathology (J. W. Smith), 1 March 1988 through 28 February 1989. (Project 764598 - Continuation)

\$50,948.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Glaucoma Laser Trial, Department of Ophthalmology (P. A. Weber), 22 February 1988 through 21 February 1989. (Project 764587 - Continuation)

\$50,829.00 - National Science Foundation, Washington, D.C., Curatorial Assistance and Storage Facilities for Antarctic Collection of Fossil Plants, Department of Botany (T. N. Taylor), Byrd Polar Research Center (E. L. Taylor), and Department of Geology and Mineralogy (S. M. Bergstrom), 15 March 1988 through 28 February 1989. (Project 766643 - New)

\$50,518.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Regulation of the Gene Expression in Neurospora, Department of Biochemistry (G. A. Marzluf), 1 April 1988 through 31 December 1988. (Project 760578 - Continuation)

\$49,541.00 - National Aeronautics and Space Administration, Lewis Research Center, Cleveland, Ohio, Measurement of the Properties of Lossy Materials Inside a Finite Conducting Cylinder, Department of Electrical Engineering, ElectroScience Laboratory (L. Peters, Jr.), 30 March 1988 through 30 July 1988. (Project 765938 - Continuation)

\$46,677.00 - National Science Foundation, Washington, D.C., Diversity and Distribution of Fossil Floras from Southern Victoria Land, Antarctica, Byrd Polar Research Center (E. L. Taylor and T. N. Taylor) and Department

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

of Botany (T. N. Taylor), 1 April 1988 through 31 March 1989. (Project 766664 - New)

\$46,258.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Flow Cytometric Analysis of Oral Actinobacillus, Periodontology (W. Buchanan), 1 March 1988 through 28 February 1989. (Project 765251 - Continuation)

\$45,000.00 - National Aeronautics and Space Administration, Lewis Research Center, Cleveland, Ohio, Engineering Calculations for Communications Satellite Systems Planning, Department of Electrical Engineering, ElectroScience Laboratory (E. K. Walton) and Department of Industrial and Systems Engineering (C. H. Reilly), 15 December 1987 through 14 December 1988. (Project 762552 - Continuation)

\$40,000.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Normal Volunteers for Participation in Medical Research Projects, Department of Microbiology (A. M. Ackermann-Brown), 1 April 1988 through 31 March 1989. (Project 764072 - Continuation)

\$40,000.00 - Environmental Protection Agency, Washington, D.C., Regulation of Hydrogenase and Methyl Co-Enzyme M Reductase in Methanogens, Department of Microbiology (J. N. Reeve), 6 January 1988 through 5 January 1989. (Project 765152 - Continuation)

\$40,000.00 - National Science Foundation, Washington, D.C., Harmonic Curvature, Einstein Spaces, and Comparison Theorems, Department of Mathematics (E. Ruh and A. Derdzinski), 1 December 1987 through 31 May 1989. (Project 765878 - Continuation)

\$35,292.00 - Department of Agriculture, Science and Education, Washington, D.C., Institutional Support from the Animal Health and Disease Research Act of 1977, College of Veterinary Medicine - Administration (R. A. Wright), 1 October 1987 through 30 September 1988. (Project 762621 - Continuation)

\$34,508.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Comparative Aspects of Peripheral Lung Mechanics, Department of Veterinary Physiology and Pharmacology (L. E. Olson), 1 December 1987 through 30 November 1988. (Project 765821 - Continuation)

\$31,712.00 - National Science Foundation, Washington, D.C., Theoretical and Empirical Studies of Communities in Stochastic Environments, Department of Zoology (P. L. Chesson), 1 June 1988 through 31 May 1989. (Project 766066 - Continuation)

\$29,000.00 - National Security Council, Central Intelligence Agency, Washington, D.C., LDC Energy Data Base Collection, Department of Agricultural Economics and Rural Sociology - OARDC and Department of

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

Agricultural Economics and Rural Sociology (W. S. Chern), 1 August 1987 through 28 February 1989. (Project 766381 - Continuation)

\$25,000.00 - Department of the Army, Army Research Office, Research Triangle Park, North Carolina, The Chemistry of Hexaazotriphenylene Hexanitride, a Polyfunctional Heterocycle with Potential Utility in the Formulation of Thermostable Polymers, Department of Chemistry (A. W. Czarnik), 1 December 1987 through 31 July 1988. (Project 764885 - Continuation)

\$23,716.00 - National Science Foundation, Washington, D.C., Honey Bee Division of Labor: A Behavioral Genetic Analysis, Department of Entomology (R. E. Page, Jr.), 15 March 1988 through 28 February 1989. (Project 766637 - New)

\$23,200.00 - National Science Foundation, Washington, D.C., Iwasawa Invariants and p-Adic L-Functions, Department of Mathematics (W. M. Sinnott), 1 July 1988 through 31 December 1989. (Project 765405 - Continuation)

\$19,600.00 - National Science Foundation, Washington, D.C., Formal Systems and Combinatorics, Department of Mathematics (T. J. Carlson), 1 May 1988 through 31 October 1989. (Project 766044 - Continuation)

\$16,000.00 - Department of the Army, Army Research Office, Research Triangle Park, North Carolina, An International Symposium on Molecular Spectroscopy, Department of Physics (K. N. Rao), 10 March 1988 through 31 March 1989. (Project 765282 - Continuation)

\$15,427.00 - National Science Foundation, Washington, D.C., Pollen Analysis of Three Long Cores from Arctic Alaska: A Test of Current Concepts in Beringian Paleocology, Byrd Polar Research Center and Department of Zoology (P. A. Colinvaux) 1 March 1988 through 31 March 1989. (Project 765920 - Continuation)

\$14,850.00 - National Science Foundation, Washington, D.C., Present and Future of Experimental Particle Physics by Hybrid Emulsion-Electronic Detectors, Department of Physics (N. W. Reay), 1 March 1988 through 31 August 1989. (Project 766642 - New)

\$12,047.00 - National Science Foundation, Washington, D.C., U.S.-Japan Seminar on "Electromagnetic Interference in Highly Advanced Social System," Department of Electrical Engineering (S. A. Sebo), 1 March 1988 through 31 May 1989. (Project 766647 - New)

\$10,000.00 - Department of the Air Force, Air Force Systems Command, Hanscom Air Force Base, Massachusetts, Spectroscopy of Molecular Ions and Their Clusters, Department of Chemistry (T. A. Miller), 1 October 1987 through 30 September 1988. (Project 765285 - Continuation)

\$10,000.00 - National Aeronautics and Space Administration, Ames Research Center, Moffett Field, California, Enroute Flight Path Planning:

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THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

Cooperative Performance of Flight Crews and Knowledge-Based Systems, Department of Industrial and Systems Engineering (P. J. Smith) and Department of Aviation (C. E. McCoy), 1 February 1988 through 31 May 1988. (Project 766649 - New)

\$5,000.00 - National Aeronautics and Space Administration, Ames Research Center, Moffett Field, California, Intensity and Broadening Coefficients of Selected CO₂ Lines in the Infrared, Department of Physics (K. N. Rao), 1 October 1987 through 30 September 1988. (Project 765684 - Continuation)

\$4,500.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Minority High School Student Research Apprenticeship Program/Dentistry, Office of Minority Affairs (L. G. Morrow), 1 March 1988 through 28 February 1989. (Project 766629 - New)

\$4,000.00 - National Science Foundation, Washington, D.C., The Structure of Fossil Phloem, Byrd Polar Research Center (E. L. Taylor and T. N. Taylor) and Department of Botany (T. N. Taylor), 1 April 1988 through 31 October 1988. (Project 765956 - Continuation)

\$3,000.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Minority High School Student Research Apprenticeship Program/Biological Sciences, Office of Minority Affairs (L. G. Morrow), 1 March 1988 through 28 February 1989. (Project 766628 - Continuation)

\$3,000.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Minority High School Student Research Apprenticeship Program/Medicine, Office of Minority Affairs (L. G. Morrow), 1 March 1988 through 28 February 1989. (Project 766625 - Continuation)

\$3,000.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Minority High School Student Research Apprenticeship Program/Pharmacy, Office of Minority Affairs (L. G. Morrow), 1 March 1988 through 28 February 1989. (Project 766627 - Continuation)

\$3,000.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Minority High School Student Research Apprenticeship Program/Veterinary Medicine, Office of Minority Affairs (L. G. Morrow), 1 March 1988 through 28 February 1989. (Project 766626 - Continuation)

TOTAL - FEDERAL AWARDS

\$8,550,010.00

State of Ohio Research Contracts/Grants

\$49,997.00 - State of Ohio, Ohio Air Quality Development Authority, Columbus, Ohio, Development of a Course to Train Contractors in

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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)

Mitigation of Radon in Homes, Office of Radiation Safety (W. E. Carey), 1 May 1988 through 30 June 1989. (Project 766653 - New)

TOTAL - STATE OF OHIO AWARDS \$ 49,997.00

Industrial Research Contracts/Grants

\$164,137.00 - BIOPURE Corporation, Boston, Massachusetts, Determination of Subacute Toxicity of Hemopure 1 in Laboratory Primates, Department of Family Medicine (D. C. Mays) and Department of Pharmacology (N. Gerber), 17 February 1988 through 30 June 1988. (Project 765696 - Continuation)

\$138,988.00 - CIBA-GEIGY Corporation, Greensboro, North Carolina, Efficacy and Pharmacokinetics of Formulations of CGA-184699, an Experimental Compound for the Control of Fleas and Other Ectoparasitic Insects, Department of Entomology (W. F. Hink) and College of Pharmacy (J. J. MacKichan), 1 March 1988 through 28 February 1990. (Project 766635 - New)

\$124,000.00 - Systems Research Laboratories, Inc., Dayton, Ohio, Single Channel Short-Pulse Transceiver System, Department of Electrical Engineering, ElectroScience Laboratory (W. D. Burnside), 15 January 1988 through 1 June 1988. (Project 766612 - New)

\$103,520.00 - McNeil Pharmaceutical Company, Spring House, Pennsylvania, Double-Blind, Parallel Comparison of Three Doses of Topiramate (Low to Mid Range) and Placebo in Refractory Partial Epilepsy, Department of Neurology (M. E. Drake, Jr.), 22 February 1988 through 31 March 1989. (Project 766640 - New)

\$25,526.00 - Ameritech Corporation, Arlington Heights, Illinois, Knowledge-Based Test Development Support, The National Center for Research in Vocational Education (R. D. Ryan), 1 March 1988 through 30 June 1988. (Project 766652 - New)

\$23,958.00 - CeramPhysics, Inc., Westerville, Ohio, Modeling of Cryovaristor in High Power Switching Applications, Department of Physics (B. R. Patton) and Department of Electrical Engineering (F. Khan), 1 January 1988 through 30 September 1988. (Project 766645 - New)

\$20,000.00 - Boeing Advanced Systems Company, Seattle, Washington, Construct and Test a BASC Designed Airfoil Model, Department of Aeronautical and Astronautical Engineering (G. M. Gregorek), 1 March 1988 through 30 April 1988. (Project 766639 - New)

\$8,260.00 - Falcon Valley Consultants, Palo Alto, California, RCOPT Airfoil Data, Department of Aeronautical and Astronautical Engineering (G. M. Gregorek), 1 March 1988 through 30 April 1988. (Project 766633 - New)

\$5,616.00 - McNeil Pharmaceutical Company, Spring House, Pennsylvania, Etoperidone: Safety and Efficacy Versus Amitriptyline in Outpatients with

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Industrial Research Contracts/Grants (contd)

Recurrent Depression, Department of Psychiatry (S. L. Stern, B. A. Jones, A. B. Levy and D. J. Martin), 1 September 1986 through 31 August 1989. (Project 765698 - Continuation)

\$4,032.00 - Aerojet ElectroSystems Company, Azusa, California, High Velocity, Soft Body Impact, Department of Civil Engineering (W. E. Wolfe), 11 February 1988 through 30 June 1988. (Project 766624 - New)

\$2,955.00 - CIBA-GEIGY Corporation, Summit, New Jersey, Efficacy and Tolerability of Anafranil Versus Placebo in Obsessive-Compulsive Disorder, Department of Psychiatry (M. R. Mavissakalian), 1 November 1986 through 1 September 1989. (Project 765782 - Continuation)

TOTAL - INDUSTRIAL AWARDS \$ 620,992.00

Other Non-Federal Research Contracts/Grants

\$71,815.00 - University of Texas, Galveston, Texas, Studies of Mechanism and Therapy of Human Immunodeficiency Virus (HIV) Cytotoxicity, Department of Veterinary Pathobiology (J. L. Rojko), 30 September 1987 through 31 August 1988. (Project 766650 - New)

\$58,500.00 - The University of Rochester, Rochester, New York, Parkinson's Study Group, Department of Neurology (G. W. Paulson), 1 April 1987 through 31 March 1988. (Project 766244 - Continuation)

\$51,889.00 - Council on International Educational Exchange, New York, New York, Ministry of Education Intensive English in the U.S.A. for Japanese Teachers of English, Department of English/Second Language (R. N. Kantor), 1 April 1988 through 31 December 1988. (Project 766658 - Continuation)

\$21,000.00 - Battelle Memorial Institute, Columbus, Ohio, Interdisciplinary Research on Wear of Materials, Department of Metallurgical Engineering (D. A. Rigney), 29 February 1988 through 31 August 1988. (Project 764981 - Continuation)

\$20,000 - American Health Assistance Foundation, Rockville, Maryland, Involvement of Endorphins in Cardiovascular Disease, Department of Pharmacology (G. A. Tejwani), 1 April 1988 through 31 March 1989. (Project 765992 - Continuation)

\$15,089.04 - Ashland Chemical Company, Columbus, Ohio; Online Computer Library Center (OCLC), Dublin, Ohio; Rubbermaid, Inc., Wooster, Ohio; American Electric Power Company, Columbus, Ohio; Nationwide Mutual Insurance Companies, Columbus, Ohio; and The Huntington National Bank, Columbus, Ohio, Columbus Training Directors' Consortium, The National Center for Research in Vocational Education (R. D. Ryan), 1 February 1988 through 31 May 1988. (Project 766651 - New)

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THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Other Non-Federal Research Contracts/Grants (contd)

\$11,020.00 - Texas A & M University, College Station, Texas, Mineralogy of Cenozoic Eolian Sediments from the Arabian Sea: Sediment Provenance and Monsoon History, Department of Geology and Mineralogy (L. Krissek), 1 March 1988 through 28 February 1989. (Project 766641 - New)

\$8,580.00 - Iowa State University, Ames, Iowa, Ultrasonic Evaluation of Porosity in Aluminum Cast Material, Department of Welding Engineering (L. Adler), 1 October 1987 through 30 April 1988. (Project 766636 - Continuation)

\$8,117.00 - Philippines Government, Manila, Philippines, DACUM (Developing a Curriculum) and Beyond DACUM Workshop -- Philippines, The National Center for Research in Vocational Education (R. D. Ryan), 1 September 1987 through 31 December 1987. (Project 766631 - New)

\$4,161.20 - Lazarus Family Fund, Gahanna, Ohio, Strengthening Families Through Sibling Participation, Nisonger Center (S. R. Schroeder and V. L. Reynolds), 1 October 1987 through 30 September 1988. (Project 766632 - New)

\$2,364.00 - Cancer Therapy and Research Foundation of South Texas, San Antonio, Texas, Multidisciplinary Participation in the Cancer Control Activities of the Southwest Oncology Group, Department of Internal Medicine (S. P. Balcerzak), 1 February 1985 through 30 June 1988. (Project 765208 - Continuation)

\$2,083.00 - March of Dimes Birth Defects Foundation, White Plains, New York, Adverse Effect of Gossypol and Gossypol-Containing Milk on Reproductive Function in Nursing Dams and Their Pups, Department of Veterinary Physiology and Pharmacology (Y. C. Lin), 1 December 1987 through 31 December 1988. (Project 766601 - Continuation)

\$2,000.00 - Benua Foundation, Inc., Columbus, Ohio, School Attendance Project, College of Education - Administration (T. M. Stephens), 1 December 1987 through 30 November 1988. (Project 766630 - New)

\$2,000.00 - Bergen Community College, Paramus, New Jersey, National Alliance of Community and Technical Colleges, The National Center for Research in Vocational Education (R. D. Ryan), 1 July 1987 through 30 June 1988. (Project 766171 - Continuation)

\$2,000.00 - Kentucky Department of Education, Frankfort Kentucky; Florida Department of Education, Tallahassee, Florida; Washington Department of Public Instruction, Olympia, Washington; and Wisconsin Board of Vocational, Technical, and Adult Education, Madison, Wisconsin, National Entrepreneurship Education Consortium, The National Center for Research in Vocational Education (R. D. Ryan), 1 July 1987 through 30 June 1988. (Project 766207 - Continuation)

\$1,629.00 - Cancer Therapy and Research Foundation of South Texas, San Antonio, Texas, Multidisciplinary Participation in the Cancer Control Activities of the Southwest Oncology Group, Department of Pathology (R.

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Other Non-Federal Research Contracts/Grants (contd)

O'Toole), 1 January 1988 through 31 December 1988. (Project 761460 - Continuation)

\$655.00 - Cancer Therapy and Research Foundation of South Texas, San Antonio, Texas, Mesothelioma Pathology Subcommittee, Department of Pathology (J. G. Lucas and S. E. Tuttle), 1 January 1988 through 31 December 1988. (Project 764837 - Continuation)

\$300.00 - Sigma Xi, New Haven, Connecticut, Mechanisms of Synapse Formation in Rat Dorsal Root Ganglion Neurons, Department of Anatomy (R. W. Burry), 15 January 1988 through 31 December 1988. (Project 766648 - New)

\$250.00 - Opportunities for Learning, Inc., Chatsworth, California, National Consortium of State Career Guidance Supervisors, The National Center for Research in Vocational Education (R. D. Ryan), 1 July 1987 through 30 June 1988. (Project 766331 - Continuation)

TOTAL - OTHER NON-FEDERAL AWARDS \$ 283,452.24

ENGINEERING EXPERIMENT STATION

State Sponsored Research and Development

\$148,031.00 - Ohio Department of Transportation, Columbus, OH, "Digital Data Acquisition and Archiving System," Department of Geodetic Science, 1 March 1988 through 1 March 1989. (529752)

Industrial and Other Sponsored Research and Development

\$75,000.00 - Battelle, Columbus, OH; Armco, Inc., Middletown, OH; and General Motors, Warren, MI, for second year membership in the Engineering Research Center for Net Shape Manufacturing, Engineering Experiment Station. (529200)

\$70,000.00 - Gleason Memorial Fund, Rochester, NY; Doehler-Jarvis, Toledo, Ohio; Forging Industry Association, Cleveland, OH; and Charter Manufacturing Co., Menquon, WI, Fellowships for the Engineering Research Center for Net Shape Manufacturing, Engineering Experiment Station. (529202)

\$45,400.00 - General Electric, Cincinnati, OH, "Luthansa Engine Test Cell Model," Department of Aeronautical and Astronautical Engineering, 1 March 1988 through 31 May 1988. (312449)

\$39,800.00 - General Electric, Cincinnati, OH, "GELMA Test Cell Model," Department of Aeronautical and Astronautical Engineering, 1 March 1988 through 31 May 1988. (312450)

\$35,040.00 - from 44 sponsors of 53 development projects in four departments/research areas of the College of Engineering.

May 4 and 5, 1988 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 Henry G. Cramblett Fund in Medicine (contd)

be designated by the Board of Trustees in consultation with the appropriate college dean, department chair, or program administrative officer to carry out the desire of the donor.

The Lawrence D. Jones Scholarship Fund

The Lawrence D. Jones Scholarship Fund was established May 5, 1988, by the Board of Trustees of The Ohio State University with a gift to The Ohio State University Development Fund in memory of Dean Lawrence D. Jones (B.C.E. '23) from his wife, Alice Jones 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.

Ten percent (10%) of the annual income shall be reinvested in the fund's principal to assure future growth. The remaining ninety percent (90%) of the annual income shall be used to provide one or more scholarships to students who have demonstrated superior academic ability as engineering majors at The Ohio State University. Preference will be given to Ohio residents. Additional consideration will be extended to students with proven financial need. Recipients will be named annually, but may be eligible to compete for renewed awards. Selection will be made by the Dean of the College of Engineering with assistance from the University Committee on Student Financial Aid.

Dean Lawrence D. Jones had a lifelong interest in the study of history. This interest should be considered if the need for this fund should cease to exist or so diminish as to provide unused income within the area of engineering education at The Ohio State University. If this occurs, 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 officials of the University who are then responsible for engineering and history education.

The John H. and Mabel D. Herrick Fund

The John H. and Mabel D. Herrick Fund was established May 5, 1988, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from John H. (B.A. '28; M.A. '36; Ph.D. '44) and Mabel D. Herrick 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.

May 4 and 5, 1988 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 H. and Mabel D. Herrick Fund (contd)

The annual income shall be used in the College of Education to support projects designed to attract and hold competent faculty and staff members, or to increase their competence and effectiveness as employees. Expenditure decisions are to be made by the Dean of the College of Education.

It is the desire of the donors that this fund should benefit the University in perpetuity. If the need for all or part of this income for the purpose indicated should cease to exist, or if the administrative organization for teacher education should change, the Board of Trustees upon recommendation of the chief executive officer of the University shall designate another use for the income no longer needed for this initial purpose, and shall reassign administrative responsibility to use the income as it deems advisable.

Bogner Endowment Fund

The Bogner Endowment Fund was established May 5, 1988, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from Donald P., Robert E. and Theodore R. Bogner of Wooster, Ohio, members of the third generation to operate the family construction business which celebrates its 75th anniversary in 1988. The endowment is named for the company's founder, the late Theodore I. Bogner, and his sons, Robert P. Bogner and the late Richard B. Bogner.

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 shall be used to provide scholarships to students enrolled in the construction technology program at the Agricultural Technical Institute. Scholarship recipients shall be chosen cooperatively by the Chairperson of the Department of Engineering Technologies and the coordinator of Student Services, in consultation with the University Committee on Student Financial Aid.

It is the desire of the donors that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees to carry out the desire of the donors.

May 4 and 5, 1988 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

Establishment of Named Funds (contd)

Feibel Lecture Fund

The Feibel Lecture Fund was established May 5, 1988, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from Donald Feibel, Mrs. Troy Feibel through the Columbus Jewish Foundation, and Robert Shamansky 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 shall be used to sponsor an annual community lecture (or lectures) on Judaism and law. Expenditures from the fund shall be approved by the Dean of the College of Humanities.

It is the desire of the donors that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees to carry out the desire of the donors.

Change of Name and Description of Named Funds

Milton Caniff Endowment Fund

The Milton Caniff Research Room Fund was established March 6, 1981, by the Board of Trustees of The Ohio State University with gifts from the family and friends of Milton Caniff (B.A. '30; Doctor of Humane Letters '74). The name and description were changed May 5, 1988.

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 shall be used to staff and equip the Library for Communication and Graphic Arts and to acquire, preserve, and organize multimedia collections which are representative of the mass media in 20th-century America. The income will be expended by the Curator of the Library for Communications and Graphic Arts in consultation with the Director of 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 University Libraries.

May 4 and 5, 1988 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 Funds (contd)

The Hazel C. Youngberg Trustees Distinguished Professorship

The Hazel C. Youngberg Memorial Fund was established September 8, 1972, 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 Hazel C. Youngberg (B.A. '08), late of San Francisco, California. The name and description were changed May 5, 1988.

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 shall be used to provide support for the work of a distinguished scholar and teacher. Appointment as the Hazel C. Youngberg Trustees Distinguished Professorship will be recommended by the Vice President of Academic Affairs and Provost, and approved by the Board of Trustees. Expenditures from the fund shall be authorized by the Provost.

Should the need for this fund cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees.

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**EMPLOYMENT OF ARCHITECT/ENGINEER AND
REQUEST FOR CONSTRUCTION BIDS
ST. JOHN ARENA - ROOF REPLACEMENT**

Resolution No. 88-122

Synopsis: Authorization to employ an architectural/engineering firm and request construction bids is proposed.

WHEREAS the original roof of St. John Arena, which was constructed in 1956, is extremely deteriorated and needs to be replaced with a totally new roofing system; and

WHEREAS \$1,800,000.00 will be made available for this project from Department of Athletics funds, of which \$1,500,000.00 is estimated for construction:

NOW THEREFORE

BE IT RESOLVED, That the President and/or Vice President for Business and Administration be authorized, in accordance with established University procedures, to select a qualified architectural/engineering firm for this project, to request construction bids on this project, and if satisfactory bids are received, to award the necessary contracts, with all actions to be reported to this Board at the appropriate time.

May 4 and 5, 1988 meeting, Board of Trustees

**EMPLOYMENT OF ARCHITECT/ENGINEER AND
REQUEST FOR CONSTRUCTION BIDS
ST. JOHN ARENA - ROOF REPLACEMENT (contd)**

Upon motion of Amb. Wolf, 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
OHIO STADIUM - REFINISH EXPOSED STRUCTURAL STEEL**

Resolution No. 88-123

Synopsis: Authorization to employ an architectural/engineering firm and request construction bids is proposed.

WHEREAS the structural steel of Ohio Stadium has not been repainted for more than twenty-five years, and the present paint is cracked, scaling, and peeling loose from the steel; and

WHEREAS complete removal of all rust and loose paint, and the repriming and repainting of all exposed structural steel will prevent further deterioration; and

WHEREAS \$850,000.00 will be made available for this project from Department of Athletics funds, of which \$775,000.00 is estimated for construction:

NOW THEREFORE

BE IT RESOLVED, That the President and/or Vice President for Business and Administration be authorized, in accordance with established University procedures, to select a qualified architectural/engineering firm for this project, to request construction bids on this project, and if satisfactory bids are received, to award the necessary 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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**REQUEST FOR CONSTRUCTION BIDS AND
ESTIMATE OF COST - FUNDING**

Resolution No. 88-124

Synopsis: Authorization to request construction bids is proposed.

WHEREAS the plans and specifications for the following project have been completed and, at the request of the Vice President for Business and Administration, the President recommended that the Board of Trustees authorize the request for construction bids:

May 4 and 5, 1988 meeting, Board of Trustees

**REQUEST FOR CONSTRUCTION BIDS AND
ESTIMATE OF COST - FUNDING (contd)**

GOLF COURSE - IRRIGATION SYSTEM REPAIR AND REPLACEMENT

Project: The present irrigation system at the Golf Course is more than 30 years old and deteriorated. Installation of a computer linked weather station to monitor and control the duration and watering sequence; modernization of existing pump controls; and repairs to existing cast iron mains; and replacement of all galvanized pipe with PVC lines will provide for a more efficient operation.

Funding: Department of Athletics

Estimated Construction Cost: \$825,000.00

Estimated Project Cost: \$887,750.00

NOW THEREFORE

BE IT RESOLVED, That the President and/or Vice President for Business and Administration be authorized, in accordance with established University procedures, to request construction bids on this project, and if satisfactory bids are received, to award the necessary contracts, with all actions to be reported to this Board at the appropriate time.

Upon motion of Amb. Wolf, seconded by Mr. Berry, the Board of Trustees adopted the foregoing resolution with eight affirmative votes cast by Messrs. Immke, Berry, Teaford, Barone, Kessler, and Wolf, and Mrs. Bowser and Ms. Casto, and a negative vote cast by Mr. Redman.

Mr. Redman:

I might add that connected with that no, that I'm further impressed by Mr. Jackson's remarks that he may be able to cut \$400,000 or \$500,000 off the bid when he really gets his teeth into it.

Mr. Immke:

Mr. Chairman, I didn't hear a specific amount of reduction -- I did hear that there was a possibility of reduction.

Mr. Redman:

Well knowing Mr. Jackson, when he really gets into it, my guess is -- I have confidence in Mr. Jackson.

Mr. Kessler:

He's going to be out there on weekends watering it by hand.

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May 4 and 5, 1988 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND
ESTABLISHMENT OF CONTINGENCY FUNDS**

Resolution No. 88-125

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 the award of contracts for Ives Hall Remodeling, Rhodes Hall Administrative Offices, Postle Hall Elevator, and Robinson Lab Roof Replacement projects; and

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 Mansfield Regional Campus - Ovalwood Hall Renovation project as follows:

IVES HALL REMODELING

Description: This project provides for the remodeling of Ives Hall to improve the lighting system, install additional restrooms and converting a portion of the building for classroom use. Construction is scheduled to begin May 1988 and be completed by September 1, 1988.

General Contract

Date Received:	March 21, 1988
No. of Bids:	6
Low Bid:	\$ 622,423.00*
High Bid:	\$1,032,600.00*
Estimate of Cost:	\$1,086,485.00*
Awarded to:	Gutknecht Construction, Columbus, OH

Plumbing Contract

Date Received:	March 21, 1988
No. of Bids:	3
Low Bid:	\$ 45,223.73*
High Bid:	\$ 69,000.00*

*Recommended alternates reflected in these figures.

May 4 and 5, 1988 meeting, Board of Trustees

REPORT OF AWARD OF CONTRACTS AND
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)

IVES HALL REMODELING (contd)

Plumbing Contract (contd)

Estimate of Cost: \$ 57,104.00*
Awarded to: Wright Plumbing Inc., Frazeytsburg, OH

HVAC Contract

Date Received: March 21, 1988
No. of Bids: 3
Low Bid: \$ 240,559.00*
High Bid: \$ 287,700.00*
Estimate of Cost: \$ 291,643.00*
Awarded to: C. R. Legner Co., Columbus, OH

Electric Contract

Date Received: March 21, 1988
No. of Bids: 7
Low Bid: \$ 179,707.00*
High Bid: \$ 336,620.00*
Estimate of Cost: \$ 223,945.00*
Awarded to: Eastmoor Electrical Ctrs., Columbus, OH

Total All Contracts: \$1,087,912.73*
Total Contingency Allowance: \$ 168,852.17 (which is 16% of construction costs)
Total Project Cost: \$1,425,000.00*
Funding: University Funds

*Recommended alternates reflected in these figures.

MANSFIELD REGIONAL CAMPUS - OVALWOOD HALL RENOVATION

Description: Renovation of instructional and support areas of the Mansfield Regional Campus together with the construction of an art gallery to be known as the Pearl R. Conard Gallery of Art. Construction is to begin May 1988 and be completed within one year.

May 4 and 5, 1988 meeting, Board of Trustees

REPORT OF AWARD OF CONTRACTS AND
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)

MANSFIELD REGIONAL CAMPUS - OVALWOOD HALL RENOVATION (contd)

General Contract

Date Received:	March 3, 1988
No. of Bids:	3
Low Bid:	\$ 425,061.00*
High Bid:	\$ 491,492.00*
Estimate of Cost:	\$ 431,380.00*
Awarded to:	B. C. & G. Weithman Construction, Bucyrus, OH

HVAC Contract

Date Received:	March 3, 1988
No. of Bids:	3
Low Bid:	\$ 130,980.00*
High Bid:	\$ 140,670.00*
Estimate of Cost:	\$ 136,066.00*
Awarded to:	C. R. Legner Co., Columbus, OH

Electric Contract

Date Received:	March 3, 1988
No. of Bids:	4
Low Bid:	\$ 60,485.00*
High Bid:	\$ 75,091.00*
Estimate of Cost:	\$ 70,691.00*
Awarded to:	Knox Electrical Constr., Fredericktown, OH

Total All Contracts:	\$ 616,526.00*
Total Contingency Allowance:	\$ 30,826.78 (which is 5% of construction costs)
Total Project Cost:	\$ 779,378.00*
Funding:	H.B. 798; S.B. 348; H.B. 870; and University Funds

*Recommended alternates reflected in these figures.

May 4 and 5, 1988 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)**

RHODES HALL ADMINISTRATIVE OFFICES

Description: This project provides for the expansion of the existing first floor administrative offices to provide a total of ten offices and two conference rooms instead of the present five offices and one conference room; renovation of the first floor entrance lobby and new reception desk; and a new canopied entrance "air lock" to provide weather protection for patients and visitors and eliminate cold winds from penetrating the reception area.

General Contract

Date Received:	April 14, 1988
No. of Bids:	6
Low Bid:	\$ 324,000.00*
High Bid:	\$ 441,330.00*
Estimate of Cost:	\$ 394,000.00*
Awarded to:	Cody Zeigler, Inc., Summit Station, OH

Mechanical Contract

Date Received:	April 14, 1988
No. of Bids:	3
Low Bid:	\$ 67,550.00**
High Bid:	\$ 106,669.00*
Estimate of Cost:	\$ 65,000.00*
Awarded to:	Lincoln T. Mandeville Plumbing and Marco Plumbing and Heating Co., joint venture, Columbus, OH

Electric Contract

Date Received:	April 14, 1988
No. of Bids:	3
Low Bid:	\$ 65,500.00**
High Bid:	\$ 72,385.00*

*Recommended alternates reflected in these figures.

+Mechanical and Electric Contracts are in excess of filed estimate of cost; however, the total price of all contracts is within 10% of the total estimate of cost and is recommended for award as provided by Section 153.12 of the Revised Code.

May 4 and 5, 1988 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)**

RHODES HALL ADMINISTRATIVE OFFICES (contd)

Electric Contract (contd)

Estimate of Cost:	\$ 59,000.00*
Awarded to:	Express Electric Co., Columbus, OH
Total All Contracts:	\$ 457,050.00*
Total Contingency Allowance:	\$ 68,557.95 (which is 15% of construction costs)
Total Project Cost:	\$ 582,306.00*
Funding:	University Hospitals Funds

*Recommended alternates reflected in these figures.

POSTLE HALL ELEVATOR

Description: This project provides for the installation of an elevator in Postle Hall. The first two floors of the shared elevator shaft between the west end of Postle Hall and the new connector to Cancer Research Institute were included in the Cancer Research project. This installation will complete the construction serving all floors of Postle Hall. Construction is scheduled to begin May 1988 and be completed within 252 days.

General Contract

Date Received:	February 25, 1988
No. of Bids:	6
Low Bid:	\$ 302,700.00*+
High Bid:	\$ 353,000.00*
Estimate of Cost:	\$ 291,251.00*
Awarded to:	Cody Zeigler Inc., Summit Station, Ohio

HVAC Contract

Date Received:	February 25, 1988
No. of Bids:	3

*Recommended alternates reflected in these figures.

+General Contract is in excess of filed estimate of cost; however, the total price of all contracts is within 10% of the total estimate of cost and is recommended for award as provided by Section 153.12 of the Revised Code.

May 4 and 5, 1988 meeting, Board of Trustees

REPORT OF AWARD OF CONTRACTS AND
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)

POSTLE HALL ELEVATOR (contd)

HVAC Contract (contd)

Low Bid:	\$ 18,700.00
High Bid:	\$ 19,980.00
Estimate of Cost:	\$ 19,991.00
Awarded to:	Marco Plumbing & Heating Co., Columbus, OH

Electric Contract

Date Received:	February 25, 1988
No. of Bids:	9
Low Bid:	\$ 12,150.00*
High Bid:	\$ 23,691.00*
Estimate of Cost:	\$ 13,828.00*
Awarded to:	Meisner Electric Inc., Columbus, OH

Total All Contracts:	\$ 333,550.00*
Total Contingency Allowance:	\$ 16,690.77 (which is 5% of construction costs)
Total Project Cost:	\$384,300.00*
Funding:	University Funds

*Recommended alternates reflected in these figures.

ROBINSON LABORATORY - ROOF REPLACEMENT

Description: This project provides for the replacement of the old, deteriorated roof on Robinson Laboratory. Construction is scheduled to begin June 1988 and be completed within one hundred fifty days.

General Contract

Date Received:	March 24, 1988
No. of Bids:	6
Low Bid:	\$ 175,540.00
High Bid:	\$ 264,000.00
Estimate of Cost:	\$ 228,500.00

May 4 and 5, 1988 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND
ESTABLISHMENT OF CONTINGENCY FUNDS (contd)**

ROBINSON LABORATORY - ROOF REPLACEMENT (contd)

General Contract (contd)

Awarded to: L.N.C. Corporation, Columbus, OH

Total All Contracts: \$ 175,540.00

Total Contingency Allowance: \$ 17,539.52 (which is 10% of construction costs)

Total Project Cost: \$ 194,500.00

Funding: H.B. 870 (U & R)

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. Kessler, seconded by Mr. Barone, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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President Jennings made the following statement:

Mr. Chairman, in keeping with the normal budget cycle for the University, it is my responsibility to report to you our budget plans for next year at this meeting, so that a resolution on the operating budget can be brought before this Board in June for the fiscal year beginning July 1, 1988.

We continue to benefit from a bi-partisan state legislative climate that values higher education, and from increasing success in private fundraising. Examples of the benefits of the Academic Challenge, Eminent Scholars, the Ohio Supercomputer Center, and other important special projects for higher education abound to recognize the State's foresight. We are recruiting faculty to fill endowed professorships and awarding new academic scholarships to students thanks to generous contributions from our supporters around the State and the nation.

However, the State is now feeling the effects of an income tax base that is currently lower than it was in 1982. The State lacks the funds to meet higher education's full needs. Private dollars must continue to be designated for our margin of excellence, not the basic requirements of the institution, or their special benefits will be irreparably diluted.

While we continue to have a growing budget at Ohio State, there is a critical difference this year in the rate of that growth. State funding is, and will be for the foreseeable future,

May 4 and 5, 1988 meeting, Board of Trustees

President Jennings: (contd)

growing at a slower rate than we have seen in the past. The State budget increases provide only a 3.5 percent increase in the General Funds Budget for the coming fiscal year.

For an historical comparison, our increase last year was 4.1 percent in the first year of the current biennium. That compares to increases of 11 percent and 9 percent in the biennium just before. Our recovery period from the difficult years of budget retrenchment was enormously helpful in restoring budgetary equilibrium.

However, we can no longer rely upon the State for increases at those earlier rates. Growth in State funding will continue, but at a slower pace than before. We at Ohio State, rather than scale back our ambitious plans, must be prepared to sustain our momentum on our own.

To continue to enhance excellence, and to continue to capitalize upon opportunities as they arise, we must strengthen our resolve to make difficult judgments among competing priorities as we manage the growth and the impressive progress toward pre-eminence that we see rapidly advancing all around us, in all areas of the University community.

Last year, we experimented with a program of cost containment to help generate internal savings to fund our ambitious plans. It also included monetary incentives for participation in the form of individual bonuses.

While our experiment was successful in realizing the targeted savings, the institution needs to consider other approaches to achieve the broader goals of the cost containment concept: improved information sharing and shared decision-making; greater team work across normal departmental or office boundaries; and, in particular, quality enhancement throughout the institution.

To succeed in meeting those goals, I believe the pursuit of excellence should be separated from the necessity of cutting costs. Under cost containment, cutbacks somehow became the goal, rather than assuming a proper place as a side effect of quality enhancement through the creative use of resources.

For the coming year, I will recommend that our efforts to generate new funds internally return to the reallocation system we have used successfully in the past. Through reallocation, we will find the resources within the institution to enable us to hold tuition within the rates of increase recommended by the General Assembly, fund the enhancement of excellence in colleges and offices, and reward faculty and staff members through competitive levels of compensation.

The budget planning guidelines I am outlining today for the 1988-89 fiscal year have been developed after consultation with our faculty, staff, and students through the University's Fiscal Committee and the Faculty Compensation and Benefits Committee of the University Senate. Their long hours of dedicated work on

May 4 and 5, 1988 meeting, Board of Trustees

President Jennings: (contd)

these important issues should be recognized and is very much appreciated.

Our first priority in setting budget guidelines must be keeping student tuition increases to the lowest possible levels. The State recommendation incorporated in the biennium budget guidelines was an 8 percent tuition increase this year.

You will recall that last year, when faced with recommended tuition increases of 22 percent from the General Assembly, we succeeded in holding Ohio State's increase to 10.9 percent. The year before, in 1986 -- for the first time in many years -- Ohio State did not increase tuition at all. However, with continued modest State support, our ability to set Ohio State's tuition below the state-recommended increases has been exhausted.

This year, we must reluctantly accede to the funding levels for the instructional subsidy provided in the State budget by the General Assembly. This will require that an 8 percent tuition increase for Ohio resident students be recommended.

We will, additionally, raise certain non-resident tuition levels at a higher rate. The diversity of the campus generated by attracting students from varied backgrounds is important to the quality educational environment we provide. However, we need to bring the relative share of costs paid by out-of-state students more in line with that assumed by Ohio residents through their tuition plus instructional subsidy from the State.

In allocating funds within the institution, our first priority will be providing sufficient funding for student financial aid to ensure that we maintain the purchasing power of our grants to students with demonstrated need. We also will provide funds so that students newly eligible for aid due to the increase in tuition will receive the assistance they need.

At the same time, we will continue strongly urging our State officials to renew their commitment to returning the share of higher education costs paid by student tuition to the traditional one-third share. We must look to the State to provide sufficient funding for Ohio's public colleges and universities to hold their tuition adjustments closer to the inflation rates in order to maintain accessibility.

For the record, Ohio State's tuition ranks us fifth in the Big Ten, and tenth of the thirteen public universities in the State of Ohio.

A fundamental principle of Ohio State's land-grant mission is accessibility. I believe that no qualified student should be denied access to Ohio's flagship university on the basis of insufficient financial resources. Providing adequate State funding to keep our tuition as low as possible must be a priority goal for all the citizens of Ohio.

May 4 and 5, 1988 meeting, Board of Trustees

President Jennings: (contd)

Other costs for students include various fees and charges for residence and dining halls, parking, bookstores, and other aspects of campus life. These charges are assessed by auxiliary services, which we expect to be self-supporting within centrally established guidelines. This year, we will ease prior restrictions on price increases in the auxiliaries, allowing each area to make its case for price changes based on their own goals and markets, and in a context of continuing to reduce internal costs.

However, we also will expect attention to be focused on the important goal of keeping an Ohio State education accessible in all respects, and the overall average of the increases is not to exceed the 8 percent tuition increase.

Our compensation for faculty and staff must remain competitive. The rising costs of benefits makes that more difficult each year. This year, just to maintain current medical benefits, our costs will increase some 40 percent -- despite the continuing efforts of University Hospitals and the Office of Personnel Services to find imaginative new ways to meet the needs of our employees while holding costs down.

Salaries, however, remain the centerpiece of compensation. I will recommend a 1.5 percent across-the-board increase for all our faculty and staff members, with an additional 2.5 percent for merit increases. We also will continue our practice of making a central pool available for equity and excellence adjustments and to address market issues, totalling another 1 percent.

With these salary guidelines and the substantial increases in medical benefit rates paid by the institution, we will have an increase in salary and benefit costs of 6.8 percent. At this level, we are able to maintain our competitive position among the nation's best comprehensive research-oriented universities.

For equipment and supplies budgets in the colleges and offices, I will recommend budget increases of 3 percent, with options for each area to request additional funds for special priority needs.

In proposing these recommendations, I have not for one moment considered moving away from continuing our progress in identifying and enhancing excellence, as well as maintaining competitive levels of compensation for faculty and staff. However, to meet the guidelines I have outlined, the institution will need to generate \$12 million dollars in additional resources if we are to balance our budget.

As I mentioned briefly at the outset, it is my intention to return to a reallocation process for internal generation of new funds. However, just as I have been committed to developing institutional flexibility through total resource management, I will expect the process of reallocation by the colleges and offices to reflect the same flexibility in setting goals.

May 4 and 5, 1988 meeting, Board of Trustees

President Jennings: (contd)

Furthermore, no area, large or small, will have its budget approved if its own budget approach is seen to be simplistic across-the-board percentage reallocations. This principle has been stated year after year. But year after year, too many of us have looked to across-the-board budget reductions to meet goals. As we return to reallocation, such across-the-board approaches will be unacceptable.

Admittedly, setting and funding priorities calls for difficult decisions. But we must recognize differing needs and, indeed, differing achievements in prior years that have left some areas truly lean and efficient, while others cling to out-of-date procedures and programs of dubious value to our fundamental priorities. Those differentiations must be made as part of the budget process, in the context of anticipating a substantial reallocation each spring.

Our understanding of total resource management also must be expanded to include human resources. Vice Presidents Weldon Ihrig and Madison Scott have been evaluating last year's cost containment effort and talking to faculty, staff, and students across the institution to hear their comments and suggestions. I will ask them, in the coming months, to develop its broader goals and most useful characteristics, in articulating a revised program that focuses on quality enhancement first and foremost.

As we focus on reassessment of all of that we do with firm commitment to quality, I have confidence that cost savings will be realized as a part of our success, rather than as the primary goal. And, while opportunities for bonuses as well as other recognitions for accomplishments will be considered, they will accrue directly to the individuals or groups involved, based upon the results achieved.

Part of total resource management is looking to ourselves for staffing the growth areas of the University. While the faculty are basically specialized, by and large our outstanding staff suffers no such limitation. As programs, projects, or services become obsolete, the people who made those efforts work need to be given opportunities to direct their skills and their loyalty to Ohio State into new areas and to match their professional growth to the priority directions of the institution.

For the coming year, new hiring to staff growth areas in the institution will be focused on internal redistribution and finding new opportunities for our most valuable quality asset, Ohio State's human resources.

The 1988-89 University budget we will present for your approval in June will be in accordance with these guidelines, which seek to make the best possible use of our substantial advantages of size, diversity, and institutional flexibility.

We have the capacity and the commitment to continue the pursuit of recognized pre-eminence, without losing sight of our fundamental land-grant mission. Working together, our faculty

May 4 and 5, 1988 meeting, Board of Trustees

President Jennings: (contd)

and staff members, along with our students, will continue to further Ohio State's unique identity as an outstanding example of comprehensive excellence.

Thank you, Mr. Chairman. I will be happy to respond to any questions that you or the Board might have.

Mr. Redman:

The only question I have, President Jennings, is the one I asked in the committee meeting, that I don't think you touched on in your report -- you're recommended budget will balance and the income will exceed or at least equal the expenses?

President Jennings:

The recommended budget will balance, Mr. Chairman, that is primarily why the \$12 million internal reallocation -- although we don't at this stage know, it will be on the order of \$970 - \$980 million. You will not yet have, Mr. Len Immke, a billion dollar budget.

Mr. Redman:

Well, he can aspire to that. Thank you, Mr. President. Are there any other questions?

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EXPRESSIONS OF APPRECIATION

Resolution No. 88-126

JAMIE CANO

WHEREAS Jamie Cano has served as President of the Council of Graduate Students during the past year; and

WHEREAS he has carried out his assignments in an outstanding manner; and

WHEREAS Jamie has worked diligently and with sensitivity in order to bring matters and concerns of special interest to graduate students to the attention of this Board; and

WHEREAS his resolve, dedication, and support of this University has been evidenced in innumerable ways over the past year:

NOW THEREFORE

BE IT RESOLVED, That this Board expresses to Jamie Cano their thanks and appreciation for his dedicated leadership and service to The Ohio State University, and wishes him success in the future.

May 4 and 5, 1988 meeting, Board of Trustees

EXPRESSIONS OF APPRECIATION (contd)

STEPHEN SASALA

WHEREAS Stephen Sasala has served as President of the Interprofessional Student Council during the past year; and

WHEREAS he has carried out his assignment in an exemplary manner; and

WHEREAS his leadership in representing the often diverse interested professional students has been useful in identifying their concerns and interests to the Board:

NOW THEREFORE

BE IT RESOLVED, That this Board expresses to Stephen Sasala its sincere appreciation and gratitude for a job well done and conveys to him its best wishes for success in the future.

SCOT ZELLMAN

WHEREAS Scot Zellman has served as President of the Undergraduate Student Government during the past year; and

WHEREAS he has carried out his assignment in an exemplary manner; and

WHEREAS his leadership in representing the interest of students has been positive in nature as has been his communication with both the Board of Trustees and the Administration:

NOW THEREFORE

BE IT RESOLVED, That this Board expresses to Scot Zellman its sincere appreciation and gratitude for a job well done and conveys to him its best wishes for success in the future.

JIM SCHAEFER

WHEREAS Jim Schaefer has served as Vice President of the Undergraduate Student Government during the past year; and

WHEREAS he has carried out his assignment in an exemplary manner; and

WHEREAS his leadership in representing the interest of students has been positive in nature as has been his communication with both the Board of Trustees and the Administration:

NOW THEREFORE

BE IT RESOLVED, That this Board expresses to Jim Schaefer its sincere appreciation and gratitude for a job well done and conveys to him its best wishes for success in the future.

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

May 4 and 5, 1988 meeting, Board of Trustees

APPRECIATION TO EDMUND C. REDMAN

President Jennings:

Mr. Chairman, I have one more small assignment. Knowing that you're not quite done yet, that this isn't quite over until May 13, you still have some duties, Sir -- Ohio State would like to recognize, in all seriousness, your great contributions to the University. It has been a great nine years, and for seven of those nine years I have very much enjoyed working with you. It is particularly gratifying this year when we had so little controversy in the University while you were Chairman. And I am absolutely confident that if Central Billing also doesn't work, that we will call you back and ask you to be part of it. Those more senior members of the Board will recognize that not only did you provide great service to the University in terms of Central Billing, but also in your Hospitals Board membership. In addition, early on in your tenure, you were questioning us greatly on how we were making easements in the University, and had some problems in that regard straightened out.

I will mention also, that you are a long-time alumni of The Ohio State University. I think it is now sixty one years since you have graduated from Ohio State. And I think it is worth noting that as you look at the young people today, they are fine young people. They are much better behaved than the Class of 1927, who, for President William Oxley Thompson, that class gave him the great privilege of electing a cow as the homecoming queen for Ohio State. And noting that you were leading that --

Mrs. Bowser:

Leading the cow?

President Jennings:

Leading the campaign to elect a cow. Now for the students in the room, I am not recommending that for this student body. We would like to present you with this small token of our appreciation -- a gavel that you might cherish. And we thank you very much.

President Jennings presented Mr. Redman with a gavel, inscribed as follows, in recognition of outstanding service as a member and chairman of the Board of Trustees:

EDMUND C. REDMAN

in appreciation of his service

to the Board of Trustees of

The Ohio State University

Member 1979-1988

Chairman 1987-1988

May 4 and 5, 1988 meeting, Board of Trustees

APPRECIATION TO EDMUND C. REDMAN (contd)

Mr. Redman made the following statement:

Thank you, Mr. President. I will indeed cherish that. You said to keep the meeting short and I did mention that I had an hour and a half speech to make, so if you want to sit back and relax I will proceed. It would be remiss on my part if I failed to make a few remarks about nine years here, during which time we've had: two presidents, three provosts -- and this is not necessarily in the order of their importance -- three athletic directors, three football coaches, we've installed a hospitals board, hospitals administrator and we've begun the building of a cancer hospital. And regardless of the turmoil that went with all of these matters, I want to say that I applaud the Governors, both Governor Rhodes and Governor Celeste, for their appointments to this Board. I think we have all worked together well, that we've helped each other, we've been supportive, and I think if that tradition is carried on, that is the best that I can ask. And with that Mr. Chairman, I will bid you adieu.

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REPORT - UNIVERSITY'S INVESTMENT PORTFOLIO

Resolution No. 88-127

RESOLVED, That the report on the University's Investment Portfolio, dated April 15, 1988, 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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**THIRD QUARTER REPORT -
1987-88 CURRENT FUNDS BUDGET**

Resolution No. 88-128

RESOLVED, That the third quarter report on the 1987-88 Current Funds Budget, dated May 6, 1988, 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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**QUARTERLY REPORT -
WAIVERS OF COMPETITIVE BIDDING REQUIREMENTS**

Resolution No. 88-129

RESOLVED, That the quarterly report on the Waivers of Competitive Bidding Requirements, dated January through March 1988, 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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May 4 and 5, 1988 meeting, Board of Trustees

Thereupon the Board adjourned to meet Thursday, June 2, 1988, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, at 6:30 p.m.

Attest:

Madison H. Scott
Secretary

Edmund C. Redman
Chairman

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APPENDIX IV
Degrees Conferred at
THE OHIO STATE UNIVERSITY
COMMENCEMENT CONVOCATION
June 10, 1988

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Commencement Speaker

Erich Bloch **Doctor of Science and Engineering**

Erich Bloch is director of the National Science Foundation (NSF), the federal agency responsible for strengthening our nation's scientific and engineering research and education capabilities. He has held that position since his 1984 confirmation by the U.S. Senate and oversees an annual budget of \$1.7 billion. During his three years of leadership, the NSF has emerged as a major force in helping our nation regain its competitive edge in science and technology.

After receiving his degree in electrical engineering from the University of Buffalo in 1952, he began work at IBM in what was then the new field of computer research. His contributions were major factors in IBM's emergence as a leader in the computer industry, and he had risen to the position of vice president for technical personnel development before he left for the NSF.

Under Bloch's direction, the NSF established several innovative programs that have had significant impact on higher education and the American science community. Among these programs are the engineering research centers at various universities, which are strengthening the United States' competitive technological base. Ohio State is the site of one of these centers—the Engineering Research Center for Net Shape Manufacturing.

He also has garnered unprecedented support from the White House for a plan to double the NSF budget. These additional funds will be used primarily to enhance the academic enterprise across the country.

Ohio State welcomes him as speaker for this 304th commencement and is proud to confer upon him an honorary degree.

Recipients of Honors

Philip Johnson Doctor of Arts

Architect, historian, and critic Philip Johnson has had considerable influence on the profession of architecture. While he is credited with bringing Modernism to America, his career has been marked by a refusal to limit his work to a single style.

A native of Cleveland, Johnson earned his Bachelor of Arts and Bachelor of Architecture degrees from Harvard University and attended the Harvard Graduate School of Design.

As director of the Department of Architecture at the Museum of Modern Art during the 1930s, he curated important shows and contributed to books that introduced Modernism to the public. He also encouraged noted European architects to settle in this country.

Johnson used Modernism throughout much of his career and designed some of the greatest American Modernist buildings. Most notable are his Glass House, built in 1949 and one of the best known works of architecture in the world, and the Seagram's Building (co-designed with architect Mies van der Rohe) in 1954-58.

He eventually integrated other design elements as well. For example, he reintroduced decoration into many projects, established a strong connection with Minimalist sculpture, and ultimately broke with Modernism altogether and returned to historical allusions in architectural design. Today his buildings can be found in most major cities in a variety of contexts across the country.

The importance of his work has been widely recognized—among his awards are the 1978 Gold Medal from the American Institute of Architecture and the first Pritzker Architecture Prize, instituted in 1979. The University is pleased at the opportunity to honor him for a lifetime of distinguished achievement.

Roy Lichtenstein Doctor of Fine Arts

Artist Roy Lichtenstein, an Ohio State alumnus, has attained great distinction as a scholar and master of contemporary art. His work is represented in nearly every major collection of modern art, both nationally and internationally.

He earned his Bachelor and Master of Fine Arts degrees at Ohio State and then spent 13 years painting and working as a graphic and engineering draftsman, window designer, and sheet metal designer. He also taught at several institutions including Ohio State, the New York State College of Education, and Rutgers University.

The turning point in his career was his first solo exhibition in 1962 at the Leo Castelli Gallery in New York City. From that time on, he devoted himself full time to artmaking, becoming a major force in the Pop Art movement and drawing inspiration from comic strips and advertisements, as well as art history itself.

He has received innumerable awards, commissions, and grants, has held international solo exhibitions, and in 1970 was elected to the American Institute of Arts and Letters. Among his recent works are *Mural With Blue Brushstroke*, in New York City, which was written about in a 1986 issue of *LIFE* magazine; *Salute to Painting*, at the Walker Art Center in Minneapolis; and *Brushstrokes in Flight*, at Port Columbus International Airport. The University welcomes him back as a distinguished alumnus and takes pride in his professional accomplishment.

Recipients of Honors

Toni Mendez Distinguished Service Award

Toni Mendez, now president of her own New York literary and licensing agency, began her career as a dancer and choreographer. She created several shows in conjunction with newspaper cartoonists—projects which proved to be a segue into her present agency work.

She has represented not only individuals but also publishing companies, newspaper syndicates, and government agencies in book and licensing projects. Among her highly successful projects in television, print, and licensing are *Space Cadet*, Milton Caniff's *Steve Canyon*, B. Kliban's *Cat*, and the federal government's Smokey the Bear program. Her television projects include working with Norman Lear's production company, Tandem, on the television series *All in the Family*.

While not an alumna, she has been very involved with Ohio State and has given generously of her time, talent, and resources to the University. In 1977, Mendez was instrumental in establishing Ohio State's Library for Communication and Graphic Arts. Since then she has added her papers to the collection—papers that reveal the inner workings of the comics publishing and merchandising industry.

Mendez was a charter member of the National Campaign Committee for The Ohio State University Campaign, helped plan the University's Festival of Cartoon Art, and has been a guest lecturer for advanced-level fiction writing classes. She has also encouraged support for the University in artistic, literary, and media circles in New York and across the country. Ohio State is indeed indebted to her for her enthusiastic and innovative support.

The Graduate School

Dean: Roy A. Koeningknecht

Doctor of Musical Arts

Frank E. Hanson III, Whitewater, WI; B.S. (University of Akron); M.Mus.; *Music*
Dr. Richard E. Burkart

Doctor of Philosophy

Helen Holupka Ahlborn, Marysville; B.A. (Otterbein College); M.A.; *Psychology*
Dr. John C. Gibbs

Hamid Akbari, Tehran, Iran; B.B.A., M.B.A., M.A. (University of Toledo); *Business Administration*
Dr. Jeffrey D. Ford

Ilham Mansour Al-Dakheel, Saudi Arabia; B.S. (University of Saint Thomas); M.A.; *Interdisciplinary Programs*
Dr. William Moore, Jr.

V. Ananthanarayanan, Mysore, India; B.Tech. (Indian Institute of Technology); M.S.; *Welding Engineering*
Dr. William A. Baeslack

Trudy J. Anderson, Boise, ID; B.S. (Oregon State University); M.A. (Boise State University); *Vocational Education, Comprehensive Program*
Dr. R. Kirby Barrick

Booker T. Anthony, Scotland Neck, NC; B.A. (Saint Augustine's College); M.A.; *English*
Dr. Thomas Cooley

Michael Charles Armijo, Los Angeles, CA; B.S. (University of Southern California); M.S. *Chemistry*
Dr. C. Weldon Mathews

Cevdet Aykanat, Kucukyali, Turkey; B.S., M.S. (Middle East Technological University); *Electrical Engineering*
Dr. Fusun Ozguner

Edward Michael Baker, Forestville, CT; B.A. (Eastern Connecticut State College); M.S.; *Geodetic Science and Surveying*
Dr. Urho A. Uotila

Etsuko Bannai, Worthington; B.S. (Tokyo University); M.S. (Tokyo Metropolitan University); *Mathematics*
Dr. John S. Hsia

Erin Ashley Bannon, Lancaster; B.G.S. (Ohio University); M.A.; *Agricultural Economics and Rural Sociology*
Dr. Joseph F. Donnermeyer

Cynthia Louise Beaulieu, Cranston, RI; B.S. (University of Michigan); M.A.; *Psychology*
Dr. Beverly Thorn

Cynthia C. Bianchi, Baton Rouge, LA; B.A., M.A. (Louisiana State University); *Anthropology*
Dr. Erika Bourguignon

James Lawrence Bighouse, Columbus; B.S.; *Physics*
Dr. Chen-Ping Yang

Patricia Joy Blatter, Columbus; B.A. (Brigham Young University); M.S. (University of Utah); *Education*
Dr. Thomas M. Stephens

LaVerne Blount, Grove Hill, AL; B.S., M.Ed. (Alabama A & M University); *Home Economics*
Dr. Joan Gritzmacher

Janet Lindereth Bohren, Clayton; B.A. (Middlebury College); M.S. (Purdue University); M.A. (University of Texas); *Education*
Dr. Suzanne Damarin

Germaine Elizabeth Boswell, Columbus; B.A. (Russell Sage College); M.A., M.A.; *Health, Physical Education and Recreation*
Dr. R. Cory Bates

Donald Walter Bowling, Fairfield; B.S., M.A. (Eastern Kentucky University); *Psychology*
Dr. Henry R. Leland

Rebecca Sue Bowman, Columbus; B.A., M.A.; *English*
Dr. Barbara H. Rigney

Susan Clare Brown, Titusville, FL; B.S. (Florida State University); M.S. (Eastern Illinois University); *Health, Physical Education and Recreation*
Dr. Barbara A. Nelson

Cynthia Shank Burggraf, Columbus; B.A., M.A.; *Communication*
Dr. Donald L. Cegala

John Leonard Carr, Cambridge, MA; B.A., M.A. (Boston College); *English*
Dr. Christian K. Zacher

Jason Yeh-Cheng Chang, Taipei, Taiwan, R.O.C.; B.S. (National Taiwan University); *Pharmacology*
Dr. Richard M. Fertel

Shakti Chatterjee, Worthington; B.S. (Banaras Hindu University); M.S. (University of Cincinnati); *Bio-Medical Engineering*
Dr. Manjula D. Waldron

Jorge Alejandro Chavez-Presa, Mexico City, Mexico; B.A. (Instituto Tecnológico Autónomo de México); M.A.; *Agricultural Economics and Rural Sociology*
Dr. Douglas H. Graham

Daniel Ley Cheney, Birmingham, MI; B.S. (Eastern Michigan University); *Chemistry*
Dr. Leo A. Paquette

Sailesh Chittipeddi, Bombay, India; B.S. (University of Bombay); M.S. (Northern Illinois University); M.S.; *Physics*
Dr. Arthur J. Epstein

Stephen Kan Leong Chock, Honolulu, HI; B.S. (University of Hawaii); M.A.; *Psychology*
Dr. Lyle D. Schmidt

Petrus Johannes Cilliers, Pretoria, South West Africa; B.Sc., B.Sc.Honors (University of Pretoria); M.S. (George Washington University); *Electrical Engineering*
Dr. Herman R. Weed

Eddie Mathew Clark, Jr., Washington, DC; B.A. (Northwestern University); M.A.; *Psychology*
Dr. Timothy C. Brock

Giancarlo Clerici, Milano, Italy; E.E. (Politecnico di Milano); M.S. (University of Missouri); *Electrical Engineering*
Dr. Walter D. Burnside

Lynn Huff Collins, Chagrin Falls; B.S. (Duke University); M.A.; *Psychology*
Dr. Steven J. Beck

Robert Joseph Comparin, Blacksburg, VA; B.S. (Virginia Polytechnic Institute & State University); M.S.; *Mechanical Engineering*
Dr. Rajendra Singh

Karen Hadley Copp, Columbus; B.S. (Wake Forest University); M.A. (University of Nebraska); *Theatre*
Dr. Alan L. Woods

Roger Lee Costello, Davenport, IA; B.S. (Saint Ambrose College); M.S.; *Computer and Information Science*
Dr. Neelam Soundararajan

Geoffrey Arthur Cross, Columbus; B.A. (Miami University) A.M. (The University of Missouri); M.A.; *English*
Dr. Edward P. Corbett

Paul Stanley Cwikla, Columbia, MO; B.S. (Kansas State University); M.S. (University of Kentucky); *Entomology*
Dr. Charles Triplehorn

Lawrence Christopher Dash, Knoxville, TN; B.S. (The University of Tennessee); M.S.; *Metallurgical Engineering*
Dr. Bryan E. Wilde

Zachary Dembo, Kafanchan, Nigeria; B.Ed., M.Ed. (Ahmadu Bello University); *Health, Physical Education and Recreation*
Dr. Charles L. Mand

Robert Richard Demerath, Williamsville, NY; B.A. (Daemen College); M.A.; *Psychology*
Dr. Henry R. Leland

Nancy Miros Denny, Columbus; B.M. (Marywood College); M.A.; *Education*
Dr. Robert F. Rodgers

- Wayne Richard DeWitt**, Moscow, ID; B.S. (University of Idaho); M.A.; *Philosophy*
Dr. George Schumm
- Carmine Giuseppe DiBiase**, Salem; B.A. (Youngstown State University); M.A. (Wright State University); *English*
Dr. Robert C. Jones
- Anne Marie Diederich**, Cleveland; B.A. (Ursuline College); M.A. (John Carroll University); *Education*
Dr. Walter G. Hack
- Jia-maw Doong**, Taipei, Taiwan, R.O.C.; B.S. (Tam-Kang University); M.S. (University of Missouri); *Engineering Mechanics*
Dr. Daniel A. Mendelsohn
- Janelle Brinker Dozier**, Houston, TX; B.S. (University of Missouri-Columbia); M.B.A. (Memphis State University); *Business Administration*
Dr. Jerold Greenberg
- Deborah Dunne-Sousa**, Wantagh, NY; B.Mus. (The University of Rhode Island); M.A.; *Music*
Dr. Patricia J. Flowers
- Hussein Mohamed El-Kazaz**, Alexandria, Egypt; B.B.A. (Alexandria University); M.B.A.; *Business Administration*
Dr. Jeffrey D. Ford
- Fikret Ercal**, Konya, Turkey; B.S., M.S. (Technical University of Istanbul); M.S.; *Computer and Information Science*
Dr. Bruce W. Weide
- James A. Fidelibus**, Port Chester, NY; B.A. (Don Bosco College); M.A.; *Education*
Dr. James V. Wigtil
- Paul Vincent Fiore**, Wilmington, DE; B.S. (University of Delaware); M.S. (Wright State University); *Health, Physical Education and Recreation*
Dr. Robert L. Bartels
- William Lester Fodor**, Westlake; B.S.; *Molecular Genetics*
Dr. Elio F. Vanin
- Bo-Chai Gao**, P.R.C.; B.S. (NanKai University); M.S.; *Physics*
Dr. John H. Shaw
- George William Gayle, Jr.**, Dayton; B.S. (Virginia Polytechnic Institute & State University); M.S. (University of Wisconsin); *Health, Physical Education and Recreation*
Dr. Walter F. Erasing
- Nicholas James Gibson**, Alexandria; B.S. (Tulane University); M.S.; *Microbiology*
Dr. Joseph Y. Cassim
- Vicki Marie Gingas**, Baltimore; B.S. (Michigan State University); M.S.; *Horticulture*
Dr. Robert D. Lineberger
- Anthony Giordano**, Mansfield; B.A. (New College/USF); M.S.; *Molecular Genetics*
Dr. Elio P. Vanin, Dr. Douglas N. Foster
- Robert Leslie Gordon**, Columbus; B.S.Ed.; M.S. (Indiana University); *Psychology*
Dr. Dorothy W. Jackson
- Paul Combs Griffith**, Columbus; B.S.E.E., B.S. (Rose-Holman Institute of Technology); M.S.E.E.; *Electrical Engineering*
Dr. Stuart A. Collins
- Ziyad Salem Haddad**, Irbid, Jordan; B.A. (College of Applied Arts); M.F.A. (Eastern Michigan University); *Art Education*
Dr. Nancy P. MacGregor
- Ann Christine Hall**, Cleveland; B.A. (John Carroll University); M.A.; *English*
Dr. Katherine H. Burkman
- Marguerite Lee Hefferon**, Fishkill, NJ; B.A. (Geneseo State University); M.A. (Western Connecticut State College); *English*
Dr. Leslie Tannenbaum
- Ross C. Hemphill**, Lockport, IL; B.A. (Lewis University); M.S. (Indiana State University); *Agricultural Economics and Rural Sociology*
Dr. Fredrick J. Hitzhusen
- Kimberly Jo Herling**, River Grove, IL; B.A. (Elmhurst College); M.S. (Northeastern Illinois University); *Health, Physical Education and Recreation*
Dr. Robert L. Bartels
- Mary Ellen Hughes**, Columbus; B.S. (East Tennessee State University); M.A. (Princeton Theological Seminary); *Education*
Dr. David L. Boggs
- Vijay Jagannathan**, Vellore, India; B.Tech. (Indian Institute of Technology); M.S.; *Metallurgical Engineering*
Dr. Bryan E. Wilde
- Morteza Javadi**, Camanche, IA; B.S. (Hamadan Agricultural College); M.S. (Central Missouri State University); *Agronomy*
Dr. Trevor Arcott
- Keith Allan Johnson**, Norman, OK; B.A. (Abilene Christian University); M.A.; *Linguistics*
Dr. Mary E. Beckman
- Jamie Barlow Kayes**, Columbus; B.A. (Indiana University); M.A.; *English*
Dr. James P. Phelan
- Beth Ellen Kazee**, Columbus; B.S.; *Chemistry*
Dr. Theodore Kuwana
- David Scott Keller**, Vienna, VA; B.S. (Virginia Polytechnic Institute and State University); M.S.; *Dairy Science*
Dr. Francis R. Allaire
- Abulghasem Beshir Khumage**, Zawia, Libya; B.Sc. (Al-Fateh University); M.A. (Stanford University); *Education*
Dr. Elsie J. Alberty, Dr. I. Keith Tyler
- Jae Moon Kim**, South Korea; B.S., M.S. (Seoul National University); *Mathematics*
Dr. Robert Gold
- Mark Alan Kleffner**, Reynoldsburg; B.S., M.S.; *Geology and Mineralogy*
Dr. Walter C. Sweet
- Jing-Houng Kuo**, Taipei, Taiwan, R.O.C.; B.S., M.A. (Chinese Culture University); *Home Economics*
Dr. Barbara M. Newman
- Richard Davis Lakes**, Cincinnati; B.S., M.Ed.; (University of Cincinnati); *Vocational Education, Comprehensive Program*
Dr. William D. Umstadd
- Soon-Gul Lee**, Seoul, South Korea; B.S., M.S. (Seoul National University); *Physics*
Dr. Thomas R. Lemberger
- Pui-Kai Li**, Hong-Kong, Hong Kong; B.Pharm. (University of Wyoming); *Pharmacy*
Dr. Robert W. Brueggemeier
- Qian Li**, Guang Zhou, P.R.C.; B.S. (Peking University); *Biophysics*
Dr. Bradford T. Stokes
- Wangkan Lin**, Changchun, P.R.C.; B.S. (Jilin University); *Chemistry*
Dr. Daryle H. Busch
- Barbara Ursula Kiausich Mabee**, Huntington, WV; B.A., B.S. (North Eastern Missouri State University); M.A. (California Polytechnic University); *German*
Dr. Hugo Bekker
- Robert David Macgregor**, Charlottetown, Canada; B.A. (University of California at Riverside); M.A. (Harvard University); M.S.; *Agricultural Economics and Rural Sociology*
Dr. Frederick Hitzhusen
- Edward Russell Mann**, B.A. (Suffolk University); M.S.W. (Boston College); *Social Work*
Dr. James E. Lantz
- Mohammed Ibrahim Mansour**, Ras Al-Khaimah, United Arab Emirates; B.A. (University of Alexandria); M.L.H.R.; *Labor and Human Resources*
Dr. Stephen M. Hills
- Donald Lewis Marshall**, Tacoma, WA; B.S. (Virginia Commonwealth University); M.A.; *Psychology*
Dr. Pamela S. Highlen
- Leslie McClain McCracken**, Fairborn; B.S. (Southern Methodist University); M.S. (Central Missouri State University); *Speech and Hearing Science*
Dr. Robert A. Fox

- Janet Lalaree McMillen**, Tulsa, OK; B.A. (DePauw University); M.S. (University of Michigan); *Zoology*
Dr. Theodore A. Bookhout
- John Carl Mergo, Jr.**, Baltimore, MD; B.S. (Loyola College); M.S. (John Carroll University); M.A.; *Zoology*
Dr. John L. Crites
- Bradley John Meyer**, Miami, FL; B.A. (Cornell University); M.A.; *History*
Dr. Williamson Murray
- Claude Millette**, Quebec, Canada; Maitrise (University du Quebec a Trois-Rivieres); *Vocational Education, Comprehensive Program*
Dr. James J. Buffer, Jr.
- Behroze Shrivastava Mistry**, Bombay, India; B.Sc. (University Department Chemical Technology); M.S.; *Food Science and Nutrition*
Dr. David B. Min
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Sheila Renae Watters, Lawrenceville, VA; B.A. (College of William and Mary); *Business Administration*

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Gary LaVern Wedlund, Columbus; B.F.A. (Columbus College of Art & Design); *Business Administration*

Mark Andrew Weitzel, Mansfield; B.S.B.A. (Bowling Green State University); *Business Administration*

Sherry Joyce Wells, Columbus; B.S.Bus.Adm.; *Business Administration*

Grant Allen Westbrook, Columbus; B.A. (Capital University); *Business Administration*

Eric John Wiegandt, Dublin; B.A. (Wittenberg University); *Business Administration*

Cheryl Diane Wiggins, Mason; B.B.A. (University of Cincinnati); *Business Administration*

John Jeffrey Winch, Minster; B.B.A. (Southern Methodist University); *Business Administration*

Douglas Keith Wingard, Silver Spring, MD; B.S. (University of Maryland); *Business Administration*

Joy Ann Winsley, Zanesville; B.S.Bus.Adm.; *Business Administration*

Robert Anthony Witzman, West Chester; B.S.I.S.E.; *Business Administration*

Frederic Paul Wolff, Fairborn; B.S. (University of Colorado); *Business Administration*

Debora Wright, Middletown; B.S. (Fayetteville State University); *Business Administration*

Sandra Jones Wu, Worthington; B.S.; *Business Administration*

Gretchen Lynn Yates, Columbus; B.S. (Purdue University); *Business Administration*

Franklin Hess Yoho, South Charleston, WV; B.A. (Washington & Jefferson College); *Business Administration*

Douglas Christian Yost, Seattle, WA; B.A. (University of Washington); *Business Administration*

Teresa Jayne Ziegler, Columbus; B.S. (The Pennsylvania State University); *Business Administration*

Jerome Zisseron, Rockville, MD; B.S., B.A. (University of Maryland); *Business Administration*

Master of City and Regional Planning

Tae Sun An, South Korea; B.A. (Sung Kyun Kwan University); *City and Regional Planning*

Lotfi Braham, Teboulba, Tunisia; B.S.C.E., M.S.; *City and Regional Planning*

John Andrew Bricker, Columbus; B.S.Nat.Res.; *City and Regional Planning*

Kevin Bernard Carney, Columbus; B.S., M.S. (Indiana University of Pennsylvania); *City and Regional Planning*

Nivedita Chakraborty, Calcutta, India; B.A. (The College of Wooster); M.P.A.; *City and Regional Planning*

Patricia Mary Deering, Columbus; B.S.Soc.Wel.; *City and Regional Planning*

Abdel Hamid Abdel Hamid El-Kamhawy, Cairo, Egypt; B.S.Arch. (Zagazig University); *City and Regional Planning*

Troy Glover, Camden, SC; B.A. (Morris College); *City and Regional Planning*

Mizan Bin Hitam, Melaka, Malaysia; B.A. (University of Southwestern Louisiana); *City and Regional Planning*

Shin-Ho Kim, Seoul, South Korea; B.P.A., M.P.A. (Yonsei University); *City and Regional Planning*

Whan Chull Kim, South Korea; B.A., B.A. (Sung Kyun Kwan University); *City and Regional Planning*

Lisa Lee Leitzell, Dublin; B.S.; *City and Regional Planning*

Pervaiz Bashir Malik, Lahore, Pakistan; B.Sc. (Engineering University); *City and Regional Planning*

William Leslie McKay, Jr., Hampton, VA; B.A. (Virginia Technical University); *City and Regional Planning*

Emmanuel Ifeanyi Mogbolu, Lagos, Nigeria; B.S. (University of Nigeria); *City and Regional Planning*

Jeng-Ying Shieh, Taiwan, R.O.C.; B.E. (Feng-Chia University); *City and Regional Planning*

William Lynn Twitty, Lancaster, SC; B.S. (Morris College); *City and Regional Planning*

Michael Ray Wood, Columbus; B.A.; *City and Regional Planning*

Master of Fine Arts

Vincent Lucieu Brosseau, Tours, France; B.F.A. (Julliard School); *Dance*

Varlo Ray Davenport, Jr., Payson, UT; B.S. (Southern Utah State College); *Theatre*

James Patrick Flahaven, Duncanville, TX; B.F.A. (North Texas State University); *Art*

John Joseph McCutcheon, Columbus; B.F.A. (Columbus College of Art and Design); *Art*

Robin Lea Pyle, West Lafayette, IN; A.B. (Princeton University); M.A. (University of Oregon); *Theatre*

John Allsten Sargent, Columbus; B.A. (Trinity College); *Art*

Susan S. Van Dyke, Columbus; B.S. (University of Massachusetts); *Theatre*

Master of Health Administration

Keith Norman Alexander, Ashland; B.S.; *Hospital and Health Services Administration*

Larry Alan Anstine, Newark; B.S.Bus.Adm.; *Hospital and Health Services Administration*

Barbara Jane Balsley, Salem; B.A. (Hiram College); M.P.H. (University of Minnesota); *Hospital and Health Services Administration*

Gregory William Beham, Columbus; B.S. (Miami University); *Hospital and Health Services Administration*

Michael Alan Belmont, Wooster; B.A. (Denison University); *Hospital and Health Services Administration*

Karen Sue Brown, Sandusky; B.S. (Miami University); *Hospital and Health Services Administration*

Charles Adam Danneker, Columbus; B.S. (Union College); *Hospital and Health Services Administration*

John Charles Elliott, Ada; B.S.B.A. (Ohio Northern University); *Hospital and Health Services Administration*

Erika Marie Gadomski, Broadview Heights; B.S.Agr.; *Hospital and Health Services Administration*

Karen Ann Jennings, Sunbury; B.S. (University of Wisconsin-Madison); M.S.; *Hospital and Health Services Administration*

Cynthia Lynn Johnson, Sunbury; B.B.A. (University of Cincinnati); *Hospital and Health Services Administration*

John Jay Knox III, Marietta; B.S.A.Hth.Prof., B.S.; *Hospital and Health Services Administration*

Lynn Michelle Kube, Cincinnati; B.S. (University of Michigan); *Hospital and Health Services Administration*

Peili Lo, Taiwan, R.O.C.; B.A. (Fu Jen Catholic University); M.S. (University of Illinois); *Hospital and Health Services Administration*

Susan J. Reynolds, Akron; B.S.Bus.Adm.; *Hospital and Health Services Administration*

Diana Lynne Rogers, Minerva; B.A. (Malone College); *Hospital and Health Services Administration*

Dennis Floyd Roquemore, Tallmadge; B.M.Ed. (Ohio University); M.A. (Ball State University); *Hospital and Health Services Administration*

Letitia Marie Scott, Bellaire; B.S. (The University of Dayton); *Hospital and Health Services Administration*

Heidi L. Smith, Wadsworth; B.A. (The College of Wooster); *Hospital and Health Services Administration*

William C. Smith, Benton, KY; B.S. (University of Louisville); *Hospital and Health Services Administration*

Donald Brent Trembly, Spring Valley; B.A. (Saint Leo College); *Hospital and Health Services Administration*

S. Michael Yocco, Mansfield; B.S. (The University of Akron); *Hospital and Health Services Administration*

Master of Labor and Human Resources

Amy Elizabeth Black, Dublin; B.S.Bus.Adm.; *Labor and Human Resources*

Linda Lee Bowen, South Point; B.A.; *Labor and Human Resources*

Stacey Lynn Brandt, Columbus; B.A. (University of Michigan); *Labor and Human Resources*

Thomas Philip Kruglinski, Columbus; A.B. (Syracuse University); *Labor and Human Resources*

Barbara Jean Kyle, Columbus; B.S., B.S. (Franklin University); *Labor and Human Resources*

Thomas Patrick McGinty, Whitehall; B.S.Ed.; *Labor and Human Resources*

Michael Roger Moore, Parma; B.A.; *Labor and Human Resources*

Cherachit Raka, Bangkok, Thailand; B.A., M.P.A. (Thammasat University); *Labor and Human Resources*

Randall Herb Schimmoeller, Lima; A.A., B.S.; *Labor and Human Resources*

Bradley Walter Schramek, Cleveland; B.A.; *Labor and Human Resources*

John Joseph Tornes, Upper Arlington; B.A. (University of Steubenville); M.Div. (Athenaeum of Ohio); *Labor and Human Resources*

Master of Landscape Architecture

Robert Lee Wiley, Nelsonville; B.S. (Ohio University); *Landscape Architecture*

Master of Music

Cheryl Ann Hoover, Tallmadge; B.S. (Roberts Wesleyan College); Diploma (Moody Bible Institute); *Music*

Ling-Ru Kuei, Taipei, Taiwan, R.O.C.; B.S. (Tung-hai University); *Music*

Deborah Blunt Barrett Price, Burnt Hills, NY; B.M. (Baldwin-Wallace College); *Music*

Linda Evelyn Rebillard, Winsted, CT; B.A. (University of New Hampshire); *Music*

Andrew Harold Snedeker, Grand Rapids, MI; B.M. (Baldwin-Wallace College); *Music*

Laurie Ann Stelter, Mankato, MN; B.S. (Mankato State University); *Music*

Fred James Wilcox, Fairview Park; B.A. (Yale University); *Music*

Master of Public Administration

David Reed Alexander, Columbus; B.A. (Muskingum College); *Public Administration*

Maria Andrea Carroll, Columbus; B.A. (University of Dayton); *Public Administration*

Steven Lawrence Faulkner, Columbus; B.A. (Michigan State University); *Public Administration*

Kevin Cedric Hinkle, Columbus; B.A.; *Public Administration*

Troy Gerard Hottovy, Dwight, NE; B.S. (University of Nebraska); *Public Administration*

Kwan-Bo Kim, South Korea; B.A., M.A. (Sung Kyun Kwan University); *Public Administration*

Matthew Robert Markey, Kettering; B.S. (University of Dayton); *Public Administration*

Cindy Hershberger Michaels, West Liberty; B.S.H.E.; *Public Administration*

Todd Temple Parfitt, Valley City; B.S.Nat.Res.; *Public Administration*

Ann Christine Rengert, Marion; B.S.Soc.Wel.; *Public Administration*

Nancy Colleen Roncevich, Youngstown; B.S. (Kent State University); *Public Administration*

Peggy Lou Smith, Columbus; B.F.A.; *Public Administration*

Brooke Alan Trisel, Columbus; B.S. (Ohio University); *Public Administration*

Miriam Ann Tucker, Columbus; B.A.; *Public Administration*

Angelita O. VasquezWeber, Seguin, TX; B.A. (Texas Lutheran College); *Public Administration*

Chao-Wen Julia Wang, Taiwan, R.O.C.; B.A. (National Cheng-Chi University); *Public Administration*

Debra Rena Welch, Convooy; B.A.; *Public Administration*

Master of Science

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Wael Shawky Ahmed, Cairo, Egypt; B.V.M. (College of Veterinary Medicine); *Veterinary Preventive Medicine*

Khleef Odeh Al-Mousa, Jordan; B.Sc. (Yarmouk University); *Civil Engineering*

Ahmed Othman Al-Qasabi, Riyadh, Saudi Arabia; B.Sc. (King Saud University); *Civil Engineering*

Fred Anthony Alger, Worthington; B.A. (College of Wooster); D.D.S.; *Dentistry*

Nadir Khalid Amra, Strongsville; B.S.C.I.S.; *Computer and Information Science*

Miltiadis Spyros Anagnostou, Athens, Greece; B.S. (University of Athens); *Physics*

Thomas Charles Austin, San Luis Obispo, CA; B.S. (California Poly State University); *Metallurgical Engineering*

J. Bradford Barlow, Silver Spring, MD; B.S. (Bethany College); *Mathematics*

Eric Kurt Bartkus, Mentor; B.S.M.E.; *Mechanical Engineering*

Thomas Coleman Beard, Columbus; B.A. (University of Northern Colorado); *Geology and Mineralogy*

David Henry Bernosky, Columbus; B.S.; *Geology and Mineralogy*

Jeffery Andrew Berrie, Columbus; B.S.E.E.; *Electrical Engineering*

Brian Andrew Berry, North Ridgeville; B.S.; *Botany*

Suzanne Galford Besser, Worthington; B.S. (West Virginia University); *Home Economics*

Renita Latise Bishop, Montgomery, AL; B.S. (Florida State University); *Computer and Information Science*

Roger James Bissmeyer, Dublin; B.S.M.E. (University of Notre Dame); M.B.A. (University of Connecticut); Senior Certificate (University of New Haven); *Computer and Information Science*

David Lester Blevins, Piqua; B.S.Met.E.; *Metallurgical Engineering*

Shirley J. Brauen, Bluffton; B.S. (Wright State University); *Nursing*

Eric F. Breitteller, New Albany; B.S.E.E.; *Electrical Engineering*

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Jill Ann Brown, Eaton; B.S.Agr.; *Zoology*

Thomas Edward Butts, Detroit, MI; D.D.S. (University of Michigan); *Dentistry*

Christine Marie Carrino, Wadsworth; B.A. (The University of Akron); *Mathematics*

Edmund Andrew Carter, Columbus; B.Pharm. (University of Toledo); *Pharmacy*

Agnes Chang, Taiwan, R.O.C.; B.A. (Sun Yet-sen University); *Chemistry*

Christopher Charles, Bombay, India; B.S. (Polytechnic Institute of New York); *Nuclear Engineering*

Chih-Yu Chen, Taipei, Taiwan, R.O.C.; B.S. (Fu-Jen Catholic University); *Statistics*

Man Fung Cheung, Columbus; B.Sc. (University of Salford); *Electrical Engineering*

Ying-Liang Chou, Taipei, Taiwan, R.O.C.; B.S. (National Taiwan University); M.S.; *Statistics*

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Kenneth Paul Coats, Columbus; B.S.; *Geology and Mineralogy*

- Cheryl Ann Covert**, Glen Ellyn, IL; B.S. (The University of Iowa); *Food Science and Nutrition*
- Thomas Chalmers Creese V**, Longview, TX; B.S. (Texas A & M University); *Nuclear Engineering*
- David William Cullin**, Tipton, PA; B.S. (University of Pittsburgh); *Chemistry*
- Andrew Martin Dahl**, Columbus; B.S.E.E. (Massachusetts Institute of Technology); *Computer and Information Science*
- Razan Abdur Rahman Dandan**, Beirut, Lebanon; B.E. (American University); *Civil Engineering*
- Raja Bishara Daoud**, Beirut, Lebanon; B.E.E. (American University); *Electrical Engineering*
- Sheldon Lockwood Degenhardt**, Honeoye Falls, NY; B.A. (Wittenberg University); *Mathematics*
- Diane Marie DeLuco**, Campbell; B.S. (Youngstown State University); *Home Economics*
- Ann Marie DiLisio**, Columbus; B.A. (Mercy College); *Home Economics*
- Elizabeth Ann Droke**, Knoxville, IL; B.S. (University of Illinois); *Animal Science*
- Joel David Elhard**, Breckenridge, MI; B.A. (Capital University); *Chemistry*
- Wassef E. El-Mir**, Tripoli, Lebanon; B.S.C.E.; *Civil Engineering*
- Nuran Ercal**, Konya, Turkey; M.D. (University of Istanbul); *Physiology*
- Timothy Allan Esbenshade**, Shiloh; B.S.Pharm.; *Pharmacy*
- Edgardo J. Escalante**, Acapulco, Mexico; B.S.E.E. (I.T.E.S.M.); D.E.S. (Universite De Rennes); *Industrial and Systems Engineering*
- Jenifer Brinker Evans**, Greenville; B.S.E.E.; *Electrical Engineering*
- David Paul Evers**, St. Henry; B.S.C.E.; *Civil Engineering*
- Lin Fei**, Shanghai, P.R.C.; B.S. M.S. (Shanghai Jiaotong University); *Statistics*
- Maria Siobhan Fennessy**, Columbus; B.S.; *Natural Resources*
- Rogelio Figueroa**, Ceiba, PR; B.S. (University of Puerto Rico); *Chemical Engineering*
- Brian Paul Fink**, Gahanna; B.S. (Iowa State University); *Electrical Engineering*
- Jeffrey Charles Fisher**, Stryker; B.S.Agr.; *Animal Science*
- Douglas Scott Fletcher**, Omaha, NE; B.S. (Tulsa University); *Molecular Genetics*
- Timothy Reed Fohner**, Oakwood; B.S. (The Defiance College); *Computer and Information Science*
- Richard Keith Fox**, Chesterfield, MO; B.S. (University of Missouri); *Computer and Information Science*
- Oscar Franzese**, Buenos Aires, Argentina; Civil Eng. (Universidad Nacional de Buenos Aires); M.C.R.P.; *Civil Engineering*
- Bruce Allen Fraser**, Steubenville; B.S.Food Tech., D.D.S.; *Dentistry*
- Hong Fu**, Beijing, P.R.C.; B.S. (Peking University); *Mathematics*
- Mario Nicholas Fulan**, Pataskala; B.S. (University of Dayton); *Electrical Engineering*
- Laura Ann Gallagher**, Tillamook, OR; B.S., D.V.M. (Oregon State University); *Veterinary Clinical Sciences*
- Charles Brian Geibig**, Kalamazoo, MI; Pharmacy (Ferris State College); *Pharmacy*
- Sean William Gilmore**, Freehold, NJ; B.S.E.E. (Virginia Polytechnic Institute & State University); *Electrical Engineering*
- Lurdes Ferro Godinho**, Alvitto, Portugal; B.S. (Institute Superior de Agronomia); *Agricultural Economics and Rural Sociology*
- Richard William Goettler**, Fairlawn; B.S.Cer.E.; *Ceramic Engineering*
- Steven Alan Goldberg**, Columbus; B.A. (Wright State University); D.D.S.; *Dentistry*
- Howard Paul Golden**, Cleveland; A.B. (Miami University); M.A. (University of Maryland); *Bio-Medical Engineering*
- Mary Ellen Good**, Elida; B.S.N. (Bluffton College); *Nursing*
- Shin-Ming Guo**, Taipei, Taiwan, R.O.C.; B.S. (National Tsing Hua University); *Industrial and Systems Engineering*
- Shelly Gupta**, Ambala, India; B.S.I.S.E.; *Industrial and Systems Engineering*
- Erik Harold Hagen**, Kings Mountain, NC; B.S. (North Carolina State University); *Geology and Mineralogy*
- Christopher S. Hale**, Galena; B.S.Agr.; *Agricultural Education*
- Diane Leigh Hallum**, Columbus; B.S.W.E.; *Welding Engineering*
- Gary Wade Hallum**, Columbus; B.S.Cer.E.; *Ceramic Engineering*
- Janet Ann Henderson**, El Paso, TX; B.S. M.S. (University of Texas); *Metallurgical Engineering*
- Amy Lloyd Hendrickson**, Worthington; B.S.I.S.E.; *Industrial and Systems Engineering*
- Henrique Sales Henriques**, Caldas da Rainha, Portugal; B.Agr. (Agricultural School of Santarem); D.V.M. (University of Lisbon); *Veterinary Preventive Medicine*
- Alan Douglas Hergatt**, Westerville; B.S.E.E.; *Electrical Engineering*
- Timothy Leland Herrick**, Princeton, IL; B.S. (University of Illinois); M.D. (Northwestern University); *Allied Medical Professions*
- Barbara Kay Hibino**, Chicago, IL; B.A. (University of Chicago); *Agricultural Economics and Rural Sociology*
- Gary Allen Hill**, Gwinn, MI; B.S. (Michigan State University); *Electrical Engineering*
- Jens Höllering**, Lubeck, West Germany; M.D., D.D.S. (University of Kiel); *Dentistry*
- Hoon Hong**, South Korea; B.S. (Seoul National University); *Computer and Information Science*
- Chun-Lin Hsieh**, Taiwan, R.O.C.; B.S. (National Kaohsiung Teachers College); *Statistics*
- Jeff Alan Hughes**, West Alexandria; B.S.E.E.; *Electrical Engineering*
- Chih Ju Hung**, Taipei, Taiwan, R.O.C.; B.S. (Cheng Kung University); *Electrical Engineering*
- Rama Brahman Inturi**, Ponnur, India; B.Tech. (Regional Engineering College); M.Tech. (Indian Institute of Technology); *Metallurgical Engineering*
- Kamran Iqbal**, Pakistan; B.E. (PAF College of Aeronautical Engineering); *Electrical Engineering*
- Leonidas P. Ivrisimtzis**, Thessaloniki, Greece; Diploma (Aristotle University of Thessaloniki); *Electrical Engineering*
- Lamont Bregg Jacobs**, Fairfield; B.S., D.D.S.; *Dentistry*
- Susan Cropp Jacobs**, St. Clairsville; B.S.; *Zoology*
- James Robert Jameson**, Columbus; B.S. (University of California); A.M. (University of Southern California); *Electrical Engineering*
- Oussama Ali Jammal**, Beirut, Lebanon; B.S.W.E.; *Welding Engineering*
- May-Yuan Jang**, Taipei, Taiwan, R.O.C.; B.S. (Chung-Yuan University); *Industrial and Systems Engineering*
- Thomas Jones Jewett**, Mansonville, Canada; B.S. Agr.E. (McGill University); *Agricultural Engineering*
- Richard Charles Jirsa**, Powell; B.A. (Cornell College); D.D.S. (Northwestern University); *Dentistry*
- Kathy Lynn Jochum**, Akron; *Physiological Optics*
- Scott Allen Johnston**, Columbus; B.S.Nutrition; *Food Science and Nutrition*
- Sung-Choon Kang**, South Korea; B.S. (Seoul National University); *Electrical Engineering*

- Stephen N. Kato**, Seattle, WA; B.S. (University of Washington); *Electrical Engineering*
- Steven J. Katz**, Columbus; B.S.Pharm., D.D.S.; *Dentistry*
- Sarvajna Girish Kazi**, Surat, India; B.E. (Birla Institute of Technology & Science); *Electrical Engineering*
- Edward C. Kennedy III**, Fremont; B.S.Agr.; *Animal Science*
- ElRasheed Abdel Rahman Khalifa**, Khartoum, Sudan Republic; B.D.S. (University of Khartoum); *Dentistry*
- Sung Hwan Kim**, South Korea; B.S. (Seoul National University); *Civil Engineering*
- Sakon Kittivacharapong**, Bangkok, Thailand; B.S. (Kasetsart University); *Electrical Engineering*
- Julie Renee Knibloe**, Kalamazoo, MI; B.S. (Michigan Technological University); *Metallurgical Engineering*
- Joy Koenig**, Cincinnati; B.S. (University of Cincinnati); M.D.; *Preventive Medicine*
- James George Kotsanos**, Columbus; B.S., M.D.; *Preventive Medicine*
- Gregory Stephen Kramer**, Columbus; B.S. (University of Dayton); *Engineering Mechanics*
- Cheryl E. Kreindler**, Cincinnati; B.A. (Wittenberg University); *Natural Resources*
- Vejayan Krishnan**, Ipoh, Malaysia; B.A. (University of Malaya); *Dentistry*
- Yi-Jehng Kuan**, Taipei, Taiwan, R.O.C.; B.S. (National Tsing Hua University); *Astronomy*
- Kathleen Kunkler**, Columbus; B.S.Nurs.; *Nursing*
- Edit Kurali**, Budapest, Hungary; M.A. (University of Budapest); *Mathematics*
- Sor-Sing Lai**, Tainan, Taiwan, R.O.C.; B.A. (Tieng Chia University); *Industrial and Systems Engineering*
- Angelina Alba LaMonte**, Columbus; B.S. (University of Delaware); *Home Economics*
- Thomas LeRoy Lapp**, Morgantown, WV; B.S. (West Virginia University); *Electrical Engineering*
- Chris Eric Latham**, Homeworth; B.S.M.E.; *Mechanical Engineering*
- Boen Tjin Lauw**, Singapore, Singapore; B.S.M.E.; *Mechanical Engineering*
- Chenwun Lay**, Ping-Tong, Taiwan, R.O.C.; B.S. (National Cheng-Kung University); *Civil Engineering*
- Ping-chin Lee**, Hsinchu, Taiwan, R.O.C.; B.S. (National Taiwan University); *Home Economics*
- Jack Lemanowicz**, Columbus; B.S.Pharm.; *Pharmacy*
- Yeou-Yieh Liao**, Taipei, Taiwan, R.O.C.; B.S. (Tatung Institute of Technology); *Industrial and Systems Engineering*
- John Carlo Licciardone**, Fort Worth, TX; B.S. (Fordham University); D.O. (Kirksville College of Osteopathic Medicine); *Preventive Medicine*
- Hock Koon Lim**, Singapore, Singapore; B.S.C.I.S.; *Electrical Engineering*
- Tenny Albert Lindholm**, Dayton; B.S. (United States Air Force Academy); M.B.A. (Southern Illinois University); M.S. (Air Force Institute of Technology); *Industrial and Systems Engineering*
- James Douglas Linerode**, Canton; B.S.M.E.; *Mechanical Engineering*
- Joseph Locaffaro**, Tallmadge; B.A. (Walsh College); M.S. (University of Akron); D.D.S. (Case Western Reserve University); *Dentistry*
- Aref Maalej**, Sfax, Tunisia; B.S.M.E., M.S.; *Mathematics*
- David Andrew Mahoney**, Worcester, MA; B.S. (Worcester Polytechnic Institute); *Electrical Engineering*
- Palanivel Manoharan**, Salem, TN; B.Sc. (University of Madras); M. Phit. (Panjab University); *Mathematics*
- Jennifer Ann Martin**, Pittsburgh, PA; B.S. (University of Pittsburgh); *Chemistry*
- Laurie Kay McCauley**, Columbus; B.S.Ed., D.D.S., Cert.Dent.Hyg.; *Dentistry*
- Jean Barbara McCloskey**, Bethel Park, PA; B.S.; *Preventive Medicine*
- Edwin Alonzo McGlumphy, Jr.**, Marion; B.A. (Washington & Jefferson College); D.D.S.; *Dentistry*
- Charlene Ann McGue**, Columbus; B.S.; *Geology and Mineralogy*
- Julia Catherine Meyer**, Columbus; B.S.; *Geology and Mineralogy*
- Christopher I. Michael**, Columbus; B.S.E.E.; *Electrical Engineering*
- Todd Andrew Miklos**, Grove City, PA; B.S.E.E.; *Electrical Engineering*
- Benjamin Beechy Miller**, Millersburg; B.A. (Goshen College); B.S.Agr.; *Entomology*
- Rita Ferris Minnick**, Cookeville, TN; B.S.Nurs.; *Nursing*
- Gary Allen Mirka**, Brecksville; B.S.I.S.E.; *Industrial and Systems Engineering*
- John T. Moon**, Bellefontaine; B.A. (Case Western Reserve University); *Pathology*
- David Holland Moore**, Eden, NC; B.A., D.D.S. (University of North Carolina); *Dentistry*
- Wesley Phillip Moore**, Eugene, OR; B.S. (University of Oregon); *Physics*
- Laurie Ann Morgan**, Danville, IL; B.A. (Cedarville College); *Pathology*
- Sudipto Mukherjee**, Durgapur, India; B.Tech. (Indian Institute of Technology Kanpur); *Mechanical Engineering*
- Fathi Abu Elgasim Mustafa**, Khartoum, Sudan Republic; B.S. (University of Khartoum); *Agricultural Economics and Rural Sociology*
- Hisham Mohamad Nasser**, Beirut, Lebanon; B.S.C.E.; *Civil Engineering*
- Georgeann Grace Neuzil**, Galloway; B.S.Nurs.; *Nursing*
- Marilyn Kay Norris**, Worthington; B.S. (University of Wisconsin); *Nursing*
- Larry Anthony Nye**, Malinta; B.S.Agr.; *Animal Science*
- John Robert Nygard**, Detroit, MI; B.S. (University of Detroit); B.S. (Wayne State University); *Pharmacy*
- Julia Ann O'Bryan**, Slidell, LA; B.S. (University of Cincinnati); *Horticulture*
- Joanna Oporowska**, Poland; M.S. (Adam Mickiewicz University); *Mathematics*
- John Wesley Oren**, Columbus; B.S. (New Mexico State University); *Chemical Engineering*
- Gregory Allen Ormella**, Cincinnati; B.S. (Xavier University); M.D.; *Preventive Medicine*
- Nobuo Otsuka**, Nishinomiya, Japan; B.S., M.S. (Kyoto University); *Metallurgical Engineering*
- Mary Lancia Otte**, Columbus; B.S.M.E.; *Computer and Information Science*
- Ping-Syou Pan**, Taipei, Taiwan, R.O.C.; B.A. (National Chiao-Tung University); *Electrical Engineering*
- Margaret McKnight Parfitt**, Rocky River; B.A. (Hiram College); *Zoology*
- Sungjo Park**, Suweon, South Korea; B.S. (Seoul National University); *OSU Biochemistry Program*
- Dinesh H. Patel**, Bhavnagar, India; B.S. (University of Baroda); *Welding Engineering*
- Sangita Harshadrai Patel**, Nairobi, Kenya; B.A. (College of Wooster); *Natural Resources*
- Thomas Gregory Perin**, Columbus; B.S.E.E.T. (DeVry Institute of Technology); *Computer and Information Science*
- Norman Andrew Polak**, Philadelphia, PA; B.S. (Drexel University); *Bio-Medical Engineering*
- Ricky G. Porter**, Louisville, KY; B.S. (West Virginia University); *Electrical Engineering*

- Wimelaratra Ramasinghege**, Rannawela, Sri Lanka; B.Sc. (Colombo University); M.Sc. (Ohio University); *Mathematics*
- Joseph Martin Randolph**, Columbus; B.S.; *Computer and Information Science*
- Vladimir Rankovic**, Columbus; B.S.E.E.; *Bio-Medical Engineering*
- Jeffrey Peter Rectenwald**, Westlake; B.S.Agr.; *Agronomy*
- Suresh Baddam Reddy**, Hyderabad, India; B.Tech. (Indian Institute of Technology); *Mechanical Engineering*
- Brian Charles Reeder**, Canfield; B.S. (Youngstown State University); M.A. (Marshall University); *Environmental Biology*
- Michael Karl Richmann**, Fremont, MI, B.S. (Michigan State University); *Chemistry*
- Jennifer Lynne Robinson**, Granville; B.S. (Purdue University); *Nursing*
- Ellen Robison**, London; B.A. (Miami University); *Allied Medical Professions*
- Manuel David Rossetti**, Canton; B.S. (University of Cincinnati); *Industrial and Systems Engineering*
- Jeffrey Lee Rowe**, Zanesville; B.S.A.Hth.Prof.; *Allied Medical Professions*
- Mathew Lee Rueger**, Dublin; B.S.A.A.E.; *Aeronautical and Astronautical Engineering*
- Keith Mitchell Russ**, Athens; B.S.Chem. (Ohio University); *Chemical Engineering*
- Stephen Platt Rutherford**, Granville; B.S.Agr.; *Agricultural Economics and Rural Sociology*
- Bram Saadevandi**, Kermanshah, Iran; B.S. (The University of Tulsa); *Chemical Engineering*
- Sudhakar Sabada**, Bangalore, India; B.Tech. (Indian Institute of Technology); *Mechanical Engineering*
- Adele Louise Sabol**, Reynoldsburg; B.S.N. (Ohio University); *Nursing*
- Manmohan Kumar Sachdeva**, Powell; B.S.E.E. (Panjab University); *Electrical Engineering*
- Keshaba Chandra Sahoo**, Nahanga, India; B.Tech. (Indian Institute of Technology); *Mechanical Engineering*
- Jeffrey William Santee**, Columbus; B.S.Agr.; *Veterinary Physiology and Pharmacology*
- Scott Douglas Scarberry**, Westerville; B.S.Met.E.; *Metallurgical Engineering*
- Joseph Robert Schauer**, Euclid; B.S. (Ohio Northern University); *Pharmacy*
- Stephen Walter Schneider**, Spring Valley; B.S. (Arizona State University); *Electrical Engineering*
- Erlé D. Schneidman**, Montreal, Canada; D.D.S. (McGill University); *Dentistry*
- Marcia Lynn Seager**, Columbus; B.S. (Cornell University); *Natural Resources*
- Mohamed Saleh Sehaibani**, Riyadh, Saudi Arabia; B.S. (King Saud University); *Poultry Science*
- M. D. Seshadri**, Bangalore, India; B.E. (Bangalore University); M.Tech (Indian Institute of Technology, Kanpur); *Nuclear Engineering*
- Pawan Kumar Sethi**, New Delhi, India; B.Pharmacy (College of Pharmacy); *Pharmacy*
- Feng-Rong Shaw**, San-Chung, Taiwan, R.O.C.; B.S. (National Taiwan University); *Mechanical Engineering*
- Rodney Allen Sheets, Jr.**, Coshocton; B.Sc.; *Geology and Mineralogy*
- Khalid Hussien Sheta**, Alexandria, Egypt; B.Sc. (Alexandria University); *Computer and Information Science*
- Johnna Dee Sholtis**, Steubenville; B.A. (University of Steubenville); *Botany*
- Karen Dee Smith**, Zanesville; B.S. (Ohio University); *Nursing*
- Perjetta Kaye Smith**, Jackson, MS; B.S. (Jackson State University); *Nuclear Engineering*
- Gregory Lee Smithberger**, Pataskala; B.S.; *Mathematics*
- George Edward Sotak, Jr.**, Columbus; B.S. (Case Western Reserve University); *Electrical Engineering*
- Uma Srinivasan**, Madras, India; B.Tech. (Indian Institute of Technology); *Mechanical Engineering*
- Guy St Jean**, Repentigny, Canada; D.E.C. (College de L'Assomption); D.V.M. (University of Montreal); *Veterinary Clinical Sciences*
- Mark Robert Stein**, Columbus; B.S.E.E.T. (DeVry Institute of Technology); *Computer and Information Science*
- Virginia Jean Stone**, Heath; B.S.Nurs.; *Nursing*
- Debra Ann Stoutenburg**, Kemmerer, WY; B.S. (Brigham Young University); *Horticulture*
- Sukardi**, Yogyakarta, Indonesia; B.S. Sarjana Degree (Technical-Teacher College); M.Ed. (Sam Houston State University); *Agricultural Economics and Rural Sociology*
- Kathleen Mary Swanson**, Albuquerque, NM; B.S. (University of New Mexico); *Pharmacy*
- Thomas Allen Swanson**, Albuquerque, NM; B.S. (University of New Mexico); *Pharmacy*
- Richard Jeffrey Swope**, Columbus; B.S.; *Geology and Mineralogy*
- Laszlo Andrew Takacs**, Columbus; B.S.E.E.; *Electrical Engineering*
- Thomas Alexander Tichenor**, Columbus; B.S.Chem.Eng. (Northwestern University); *Computer and Information Science*
- Chin-Ming Jimmy Ting**, Taipei, Taiwan, R.O.C.; B.S. (Tatung Institute of Technology); *Industrial and Systems Engineering*
- Walter Tschepik**, Warminster, PA; B.S. (Temple University); *Pharmacy*
- Agnes Tuska**, Budapest, Hungary; Diploma (Eotvos University); *Mathematics*
- Joseph Varghese**, Perumpadanna, India; B.D.S. (University of Kerala); *Dentistry*
- Kathleen Anne Vecbastiks**, Strongsville; B.S. (Kent State University); *Home Economics*
- Kerrie Lynn Vojtech**, Fort Calhoun, NE; B.S. (University of Nebraska); *Physiology*
- Lois Anita Vore**, Lima; B.A. (Otterbein College); *Food Science and Nutrition*
- Catherine Clifford Walker**, Columbus; B.S.Nurs.; *Nursing*
- Qi Wang**, Tianjin, P.R.C.; B.S. (Nankai University); *Mathematics*
- Craig Howard Watterson**, Columbus; B.Arch. (Carnegie-Mellon University); *Computer and Information Science*
- Edward Joseph Weisse**, Columbus; B.S. (University of Wisconsin); M.S.; *Computer and Information Science*
- Wolfgang Wenzel**, Hagen, West Germany; Vordiplom (Ruhr-Universität); *Physics*
- Kwang-Youn Whang**, Kimpo-Kun, South Korea; B.S. (Korea University); *Animal Science*
- John Anthony Wiener**, Cincinnati; B.A. (University of Cincinnati); *Physiological Optics*
- Meri Lynn Williamson**, Newbury; B.A. (Kent State University); *Home Economics*
- Celeste Marcia Wilson**, Valdese, NC; B.A. (Ohio Wesleyan University); *Geology and Mineralogy*
- James Timothy Wood**, St. Bernard; B.S.Nat.Res.; *Zoology*
- Paul Timothy Wood**, Ironton; B.S.W.E.; *Welding Engineering*
- Yang Xu**, Shanghai, P.R.C.; B.S. (FuDan University); M.S.; *Electrical Engineering*
- Hong-Tzong Yau**, Taiwan, R.O.C.; B.S. (National Taiwan University); *Mechanical Engineering*

Wen-Bin Young, Tainan, Taiwan, R.O.C.; B.S. (National Taiwan University); *Mechanical Engineering*

Simonas Vytautas Zmuidzinas, Rochester, NY; B.A. (New York University); D.D.S.; *Dentistry*

Thomas Charles Zwick, Summerfield; B.S.Agr.; *Agronomy*

Master of Social Work

Karen Lee Alber, Trumbull, CT; B.A., B.S.W. (Providence College); *Social Work*

Catherine Elizabeth Alexander, Westerville; B.A.; *Social Work*

Jane Ann Armstrong, Whipple; B.S.Soc.Wel.; *Social Work*

Crystal Lynn Banks, Cleveland; B.S.W. (University of Akron); *Social Work*

Anne Noelle Bauer, Reynoldsburg; B.S.S.W. (Bowling Green State University); *Social Work*

Donna June Bauman, Circleville; B.S.Soc.Wel.; *Social Work*

Marc Joseph Becker, Dayton; B.A. (Wright State University); *Social Work*

Suzanne Marie Beckmeyer, Huber Heights; B.S.S.W. (Bowling Green State University); *Social Work*

Cherry Jo Bennett, Edison; A.A., B.S.Soc.Wel.; *Social Work*

Barbara Kay Benson, Hilliard; B.A. (College of Wooster); *Social Work*

Phyllis Sanshuck Berman, Zanesville; B.A. (Cleveland State University); *Social Work*

Tammy Marcum Bindofer, Columbus; B.S.Soc.Wel.; *Social Work*

Barbara Ann Blair-Karr, Dover; B.S. (Kent State University); *Social Work*

Katherine Elizabeth Boettcher, Columbus; B.A. (William Jewell College); *Social Work*

Martha Rugg Bowling, Columbus; B.S.Ed. (State University of New York); *Social Work*

Natalie Anita Brown, Columbus; B.S.S.W. (Capital University); *Social Work*

Jowanda Cockrum, Walterboro, SC; B.S.W. (Virginia State University); *Social Work*

Stephen Michael Costa, Youngstown; B.A. (Youngstown State University); *Social Work*

Caroline Elizabeth Craig, Columbus; B.A. (Hanover College); *Social Work*

Carolyn Smith Danter, Columbus; B.A. (Capital University); *Social Work*

Pamela Sue Davis, Columbus; B.S.Soc.Work; *Social Work*

Wayne Roderick Davis, Cincinnati; B.A. (Morehouse College); M.Div. (Colgate Rochester Divinity School); *Social Work*

Barry D. Dean, Columbus; B.S. (Malone College); *Social Work*

Lori Ann Dempsey, Columbus; B.S.Ed.; *Social Work*

Elizabeth Pearson Dieterich, Tenafly, NJ; B.A. (Marietta College); *Social Work*

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Sharon Ann Doucette, Warren; B.A. (Kent State University); *Social Work*

Danette Marie Doyle, Columbus; B.S.Ed. (Ashland College); *Social Work*

Debra Curran Eisert, Lancaster; A.B. (Ohio University); *Social Work*

Pamela Betz Ellwanger, Hilliard; B.S.; *Social Work*

Judith Kay Englehart, Castalia; B.A. (Ohio University); *Social Work*

Kristi Sue Erlewine, Springfield; B.A. (University of Cincinnati); *Social Work*

Grace Ellen Farnsworth, Columbus; B.A. (College of Wooster); *Social Work*

Laura Jean Faulconer, Columbus; B.S.W. (Wright State University); *Social Work*

Kim Kelly Fisher, Bel Air, MD; B.A. (Denison University); *Social Work*

Lettie Ellen Fitch, Portsmouth; B.S.W. (Capital University); *Social Work*

Todd Phillip Frantz, Washington Court House; B.A. (Miami University); *Social Work*

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Mary Catherine Gardner, Columbus; B.A. (University of Cincinnati); *Social Work*

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Norma McMullen Ginther, Columbus; B.A. (Ashland College); *Social Work*

Christine Anne Glaser, Westerville; B.S.Soc.Wel.; *Social Work*

Erica Jean Grodhaus, Parma Heights; B.A. (Miami University); *Social Work*

Veronica Lynn Groff, Mansfield; B.S.Soc.Work; *Social Work*

Susan Ann Hanson, Columbus; B.S.W. (University of Illinois); *Social Work*

Barbara Gene Harris, Columbus; B.A.; *Social Work*

Gwendolyn Bennette Harris, Gahanna; B.A. (Hampton Institute); *Social Work*

Gloria Ford Hayes, Reynoldsburg; B.S.Soc.Work; *Social Work*

William Lambert Hickey, Columbus; B.S.W. (University of Missouri); *Social Work*

Martha L. Horan, Dayton; B.S.W. (Wright State University); *Social Work*

Mary Francis JefferyStevens, Lancaster; B.A. (Ohio University); *Social Work*

Shirley Ann Jordan, Westerville; B.A. (Bluffton College); *Social Work*

Henry Joseph Kaminski, Parma; B.A. (Cleveland State University); *Social Work*

Eileen Mary Keegan, Columbus; B.A. (University of Houston); *Social Work*

Joyce Lynn Kirkendall, Mansfield, B.A. (Ashland College); *Social Work*

Cheri Lee Koscielny, Parma; B.S.W. (Capital University); *Social Work*

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Barbara Ellen Lantz, St. Clairsville; B.S.Soc.Wel.; *Social Work*

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Julie D. Lee, Indianapolis, IN; B.S.W. (Ball State University); *Social Work*

Nina Lewis, Columbus; B.A.; *Social Work*

Keith Gilmore Lindeman, Columbus; B.S. (Defiance College); *Social Work*

Suzanne Lohrer, Springfield; B.A. (Capital University); *Social Work*

Patricia Lyons-Smith, Columbus; B.A. (Wilberforce University); *Social Work*

Robin Renee Mathews, Dayton; B.A. (Wright State University); *Social Work*

Christina Mausser, Wickliffe; B.A. (Miami University); *Social Work*

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Lori Sue McKenna, Sandusky; B.Ed. (University of Toledo); *Social Work*

Shauna S. McMurtrey, Columbus; B.A. (Ohio Northern University); *Social Work*

Stephanie Harnett Mendelson, Bexley; B.S.Ed.; *Social Work*

Anita Wyner Miller, Wooster; B.S.Soc.Wel.; *Social Work*

David Duane Miller, Wooster; B.A. (Cincinnati Bible College); *Social Work*

Rosa Angela Minniti, Cincinnati; B.S.; *Social Work*

Deborah Ann Clark Nixon, Worthington; B.S. (Morgan State University); *Social Work*

Daryl Jane Odom, Newark; B.A. (Lamar State University); *Social Work*

Cynthia Ellen Paetz, Newark; B.S.W. (Valparaiso University); *Social Work*

Gregory Alan Pahren, Dayton; B.A.S.W. (Wright State University); *Social Work*

Elaine V. Palmer, Columbus; B.S. (Bowling Green State University); *Social Work*

Mary Elizabeth Parrett, Columbus; B.S. (Manchester College); *Social Work*

Kimberly Ann Paul, Cuyahoga Falls; B.S.S.W. (Bowling Green State University); *Social Work*

Thomas Joseph Pelland, Akron; B.S.Soc.Wel.; *Social Work*

Edward Charles Plihall, Fremont; B.A. (Ohio University); *Social Work*

Melissa Michelle Raskay, Fletcher; B.A. (Miami University); *Social Work*

Mary Margaret Roberts, Findlay; B.S.S.W. (Bowling Green State University); *Social Work*

Lynne Meyer Rose, Columbus; B.S.W. (Capital University); *Social Work*

Roberta Lynn Ross, Delaware; B.A. (Ohio Dominican College); *Social Work*

Nina Lee Samuels, Hazlehurst, MS; B.S.W. (Jackson State University); *Social Work*

Ida M. Schiaroli, Reading, PA; B.A. (Albright College); *Social Work*

Caryl Jo Schull, Shelby; B.A. (Ohio Dominican College); M.A.; *Social Work*

Edda Niebel Schurter, Columbus; B.S.Ed., B.A., M.A.; *Social Work*

Alana Meryle Shindler, Columbus; B.A. (San Francisco State University); *Social Work*

Susan Marie Slone, San Jose, CA; B.A. (University of Notre Dame); *Social Work*

Gretchen Anaple Smith, Columbus; B.A. (Muskingum College); *Social Work*

Heleen Faith Snodgrass, Marshallville; B.S.W. (University of Akron); *Social Work*

Lisa Marie Stromeier, Columbus; B.S. (Georgetown College); *Social Work*

Dumisani Gaylord Thabede, Johannesburg, Union of South Africa; B.A.Hons. (University of Zululand); *Social Work*

Doris Helena Toland, Columbus; B.A.; *Social Work*

Julie Ann Toth, Warren; B.A. (Saint Mary's College); *Social Work*

Noreen Ella White, Columbus; B.S.C. (Ohio University); M.A.; *Social Work*

Richard Albert White, Baltimore, MD; B.S. (Morgan State University); *Social Work*

Sharon Renee Whitehead, Silver Spring, MD; B.S.W. (Morgan State University); *Social Work*

Ella Mae Williamson, Coward, SC; B.A. (Morris College); *Social Work*

Marla S. Yoder, Aurora; B.S. (Eastern Mennonite College); *Social Work*

Teri Perkins Zeise, Columbus; B.A. (Capital University); *Social Work*

Colleges of the Arts and Sciences

Chairman, Coordinating Council of Deans: Joan Huber

Acting Dean for Undergraduate Studies: Donald W. Good

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

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

Acting Dean: Robert L. Arnold

Bachelor of Arts

Stephanie Jane Brinsley, Newark
Timothy Michael Canavan, Lima
Ann Elizabeth Clemenishaw, North Lawrence

Rebecca Joy Copeland, Worthington
Catherine Louise Copich, Youngstown
Catherine Cope Cupps, Columbus
Marguerite Consuelo DeSelms, Columbus
Sean William Ferguson, Columbus
Robert Douglas Grant, Columbus
Ty C. M. Hoffman, Crestline
Nancy Carol Karrick, Columbus
Ty Howard Kistler, Clyde
Cheryl Lynn Knisley, Grove City
Karen Sue Kraig, Cleveland
Victor John Kruse, Defiance
Andrea Virginia Macioce, Pataskala
Christine Rose Mannix, Cincinnati
Diane Marie Markusic, Columbus
Lois Miriam Moon, Cleveland Heights
Jocelyn Ann Nevel, Columbus
Traci Lynn Ostand, Cincinnati
Joseph Frank Scarpitti, Columbus
Greg Allen Veatch, Utica
Evelyn Rose Warr, Toledo
Robert Bullard Weaver, Jr., Dayton
Gary Lee Wenneker, Worthington

Bachelor of Fine Arts

Janine Marie Aloisi, Monessen, PA
Michael Todd Arrigo, Pickerington
John Christopher Baum, Mt. Sterling
Gregory William Bryan, Reynoldsburg
Jacqueline Beth Chabler, Toledo
Jacqueline Mary Collins, Delaware
Timothy Raymond Dougherty, Columbus
Dianna Drosos, Columbus
Thomas Louis Dubanowich, Janesville, WI

Michael Joseph Ferrari, Avon Lake
Shelley Ann Gilbert, Lima
Robert Caldwell Glover, Jr., Cincinnati
Russell Eugene Hall, Canton
Richard Lawrence Harper, Columbus
Melissa Jane Heath, Ashtabula
Karen Brown Hicks, Delaware
Phillip Leighton Judy, Columbus
William Robert Kaiser, Columbus
Mitsuna Kawamura, Dublin
Bradley Lee Lee, Mansfield
Rebecca Michele Manring, Columbus
Kelli Ann McNeal, Centerville
Gregory Thomas Molnar, Columbus
Martin Louis Nowak, Sparta, NJ
Donald Odili Oditia, Columbus
Henry Johnson Preston III, Columbus
Richard Tyrone Schafrath, Burton
Deborah Snyder Seaberg, Eaton
Scott Michael Short, Marion
Zachary Charles Smith, Warrensville Heights
Karen Beth Solomon, Meadowbrook, PA
Heidi Theresa Sommer, Columbus
David Edward Spondike, Mentor
Dina Louise Spybey, Columbus
Robbin Renée Meese Stander, Beavercreek
Rebecca Jane Stephenson, Berea, KY
Deborah Ann Stewart, Cincinnati
Jon Richard Studer, Shelby
Timothy Shannon Willson, Worthington
Keith Joel Windle, Westerville

Bachelor of Music

J. Christine Chiriboga, Mentor
Carmen Crystal Cool, Englewood
Martin David Jenkins II, Worthington
Deborah Christine Moroz, Middletown
Kaya Chia-Yeh Shih, Columbus
Andrea Trbovich, Massillon
Michael Louis Vild, Columbus
Peter James Waldman, Columbus
Eugene Ayers Walker, Columbus
Randy Ann Wolvek, Brooklyn, NY

Bachelor of Art Education¹

Jenifer Kae Bopp, Columbus
Caroline J. Csuri, Columbus
Lisa Ann Koenigsberg, Columbus
Carole Ann Wilson, Columbus

Bachelor of Art Education²

Alice Ruth Bordenkircher, Lewisburg
Jayme Lee Duris, Pataskala
Dana Kathryn Koopman, Dayton
Sheryl Rae McKinney, Troy
Mary Ellen Myers, Bucyrus
Carmel Ann Shearn, Columbus
Michael Joseph Sparto, Cincinnati

¹Offered by the College of the Arts

²Offered by the College of the Arts and the College of Education

Bachelor of Music Education²

Tina Venette Bayles, Willshire
Norma Beebe, Columbus
Laurie Ann Bickerdt, Hilliard
Michelle Linn Brittain, Dayton
Stuart Andrew Collins, Worthington
Karen Marie Custer, Cincinnati
Karol Elizabeth Dalglish, Medina
William Jefferson Edmons, Milford
Kathleen Diane Guy, Beach City
Carl Allen Hlavaty, Hincley
Paige Marie Karnes, Galloway
Kimberly Kay Kuhlman, Van Buren
Douglas John Marrah, Worthington
Beth Ann McFarland, West Union
Matt Lloyd Messersmith, Avon Lake
Rodney Lee Miller, New Carlisle
Susan Caroline Pfouts, Oregon
Brian Dale Stevens, Troy
Barbara Michelle Voytko, Alliance
Robert MacLeish Watts, Zanesville
Edward Everette Wiles, Columbus

Bachelor of Science in Industrial Design

Barbara Ann Austin, Bolivar
Marilyn Rodgers Bahney, Put-in-Bay
Megan Anne Bamberger, Phoenixville, PA
Andrew Charles Bartlett, San Diego, CA
Michael Anthony Bills, Delaware
Patricia Ann Bode, Vienna, WV
Lisa Anne Borofsky, Moreland Hills
Gina Lynne Brown, Trail Run
Teresa Lynn Brown, Woodsfield
Donald Joseph DeCaprio, Highland Heights
William Mark Eilenfeld, Mansfield
Sue Marie Fulton, Waterford
Bonnie Lee Windsor Gahriss, Worthington
Gregory Alan Gierhart, Lima
Robert Daniel Jump, Tiffin
Raymond Peter Kuhar, Willoughby Hills
James Craig Martin, Urbana
Melissa Kay Moeller, Galion
Craig David Moser, Miami, FL
Sheryl Ann Mulne-Derrow, Columbus
Tina Lynn Natoli, Delaware
Kimberly A. Niekamp, Minster
Patrick Joseph Pavoni, Columbus
Jane Elizabeth Ries, Whitehall
Peter Dean Rimback, Wheaton, MD
Cheryl Lynn Roder, Port Clinton
Scott Evan Russell, Chagrin Falls
Susan Geralyn Schlembach-Miller, Defiance
Joel Martin Smith, South Vienna
Lori Cathleen Swartz-Reeder, Dayton
Russell Melinda Thackeray, Columbus
Tammy Lynn Wilder, Middletown
William Roy Wilkinson, Akron

College of Biological Sciences

Dean: William A. Jensen

Bachelor of Arts

Dennis Gerard Furlong, Fremont
Raymond William Hale, Columbus
Daniel Jay Kranitz, Akron
Lori Lynn Rogers, New Philadelphia
Victor Daniel Wall III, Columbus

Bachelor of Science

Arti Bajpai, Columbus
Michael Anthony Balogh, Mentor
Kevin Eric Beato, Cincinnati
Jane Ann Beebe, Upper Arlington
Michael Scott Bloom, Wyoming
Andrew Brian Bokor, Dayton
Gregory Charles Booton, Columbus
Larean Denise Brandon, Columbus
Milinda Dee Bray, Grosse Ile, MI
Gregory Earl Carlson, Xenia
Jeffrey Scott Castel, Olmsted Township
Heather Lynn Childers, Buffalo, NY
Karen Denise Cole, Virginia Beach, VA
Martin Stewart Collier, Marysville
Randolph Jay Cordle, Columbus
Constance Curren, North Ridgeville
Boyd Delanor Curtis, Massillon
Holly E. Schaufler Daniels, Canton
Julie Renee Daub, Sagamore Hills
Patricia Helena David, Coolville
Christopher R. Delagrance, Cuyahoga Falls
Bradley Earl Dickson, Whitehouse
David Robert Dietrich, Van Wert
Nicola Marne DiRito, Chicago, IL
Suzanne Renee Doinoff, Wooster
Laura Ann Duren, Tallmadge
Robert Joseph Fletcher, Warren
Lynn Carley Freck, Cincinnati
Sylvia Eleny Fronista, Huber Heights
Frank Michael Gambish, Amherst
Robert David Garland, Cincinnati
Raouf Samir Garbo, Worthington
Anthony George Gray, Akron
Ann Marie Greenwald, Columbus
Kevin Bruce Hallberg, Westerville
Daphne Deanne Harden, Dayton
William Edward Harris, Whitehall
Ami Karen Hovermale, Circleville
Kathleen Mae Jeffery, Upper Arlington
Mark Efthimios Juras, Chicago, IL
Mary Ann Kelly, Euclid
Leanne Kerns, Independence
Denise Renz King, Jr., Worthington
Dennis Michael Kolb, Cincinnati
Viktor Erik Krebs, Huron
Rebecca Ruth LaRoe, Toledo
Silene Mirel Leibowitz, Worthington
Glenn Allen Loomis, Troy
Michael Allen Martin, Dayton
Kerry Lee Mattingly, Cincinnati
James David McDaniel, Bellbrook
Kelly Ann McKay, Akron
Mary Margaret McPeck, Perry
Lisa Christine Meyer, Sandusky
Bonnie Jill Miller, Columbus
Cynthia Elizabeth Miller, Columbus
Redonda Gail Miller, Wheelersburg
John Eric Mixer, Burton
Gregory Matthew Mlachak, Euclid
Asma Mobin-Uddin, Worthington
Anna Christine Morris, Mentor
Samuel David Narotski, Akron
Brian Andrew Nault, Wooster
David Raymond Oldenburgh, Parma
David Charles Olson, Canton
Maryann Elizabeth Payne, Bethel Park, PA
Christina Louise Pippin, Worthington
Danilo Polonia, Whitehall
Arturo T. Presas, Columbus
Callie Anne Prugh, Columbus
John Robert Quigley, Springfield
Karen Sue Quigley, Piqua
Eydie Anne Radugge, Bexley
Rhonda Leigh Rambo, Crooksville
Kimberly Renee Ramsey, Bristol, TN
Victoria Rentel, Columbus
Bradley Jarold Riemenschneider, Rocky River
Richard Thomas Rindfuss, Niles
Elizabeth Samiha Rosen, Columbus
Kimberly Sue Royal, Columbus
Kathy Ann Royle, Hudson
Kimberly Sue Ruona, Ashtabula
Suzanne Russo, Macedonia
Robin Lisa Shanfeld, Philadelphia, PA
Grace Hsin-Chun Shih, Upper Arlington
Marie Ann Simon, North Royalton
Larry Edward Smith, Mansfield
Mark Todd Smith, Nashport
Steven Wayne Smith, Fremont
Geoffrey David Snyder, Lake Milton
David Kenan Solacoff, Upper Sandusky
Roderick Lawrence Soriano, Columbus
Kelly Rae Stamm, Ravenna
Blake Galloway Sturgis, Chardon
Kwang I. Suh, Columbus
Blythe Grace Thomson, Edmonton, Alberta, Canada
Patrick Farrell Timmins III, Columbus
Matthew Thomas Tobin, Willoughby Hills
David Alan Tonnies, Lake Milton
Daniel Anthony Tramuta, Columbus
Theresa Marie Uhl, Cleveland
Linda Arlene Unrue, Wapakoneta
Karen Rochelle Vigder, Dayton
Victor Daniel Wall III, Columbus
Barbara Ann Wallenhorst, Fairview Park
Keith Thomas Wendel, Sardinia
Kimberly Lynn Whittington, Upper Arlington
Victoria Lynn Wills, Honolulu, HI
Mark Charles Witte, Cincinnati
Shari A. Yeh, Westlake
Zeus John Yiamouyiannis, Delaware
Lisa Ann Youngblood, Ashland

College of Humanities

Dean: G. Micheal Riley

Bachelor of Arts

Matricia Von Ables, Xenia
Michael Todd Allen, Willard
Sherry Elizabeth Altizer, Centerburg
Ruby Mae Anderson, Columbus
Windsor Lynn Anderson II, Warren
Elizabeth Ann Ardussi, Rocky River
Deborah Ann Bannister, Perrysburg
Elizabeth Lynne Beavers, Atlanta, GA
Froukje Margaret Beynen, Upper Arlington
Violette Bishara, Columbus
Daniel Patrick Bonarrigo, Columbus
Jacqueline Marie Booth, Columbus
Tracey Marie Brand, Columbus
Mania Cecilia Brenner, Columbus
Jason Kenneth Brown, Cincinnati
Mark Raymond Brown, Worthington
Deanna Eileen Brusadin, Worthington
Amy Louise Burnett, Middletown
Gail Estelle Burns, Hinckley
Susan Jane Carey, Columbus
Douglas Ballard Carr, Logan
Susan Ann Carson, Akron
Sharon Moore Chambers, Columbus
Jeffery Allen Chervenak, Shadyside
Janet Elaine Cloyd, Columbus
John Thomas Cocklin, Hartsville
Susan M. Cox, Manchester
Susan Marie Crues, Hicksville
Peggy Susan Cunningham, Houston, TX
Scott Cameron Daniels, Bay Village
Sally L. Davis, Cincinnati
Jeffrey Edward Deist, Akron
Beth Ann Dible, London
Joseph Patrick Doerr, Toledo
Michelle M. Donaldson, Rome, NY
Timothy Adam Doyle, Gahanna
Julie Anne Driscoll, Fairview Park
Kasey Aileen Dunlap, Cincinnati
Robert Eugene Dyckes, Grandview Heights
Matthew Allan Eifrid, Paulding
Claire Louise Esmond, Upper Arlington
Betsy Erin Evans, Newark
Susan Ruth Facer, Lima
Gail Lynn Feltner, Marion
Rebecca Ruth Ferris, Columbus
Tamara Layne Fisher, Cardington
Mary Kathleen Flach, Hillsboro
Sandra Kay Flanagan, Columbus
Hillary Foote, Hudson
Andrew Galen Fox, Wooster
Susan Elizabeth Glass, Galena
Ruth Marjorie Glenn, Eastchester, NY
Kimberly Ann Govern, Alliance
Bradley Jay Greenberg, Cincinnati
Mary Ellen Griesmer, Cleveland Heights
Richard Frederick Gygli, Mentor
Jerome Eugene Hansel, Jr., Warren
Priscilla L. Hapner, Hillsboro
Patricia Ann Hartmann, Medina
Melody Lynn Hesse, Proctorville

John Edward Hinton, Columbus
John Sherman Hutson, Columbus
Mark Warren Isakowitz, Beachwood
Wendy Lynn Johnson, Columbia, SC
Clifton Emmet Jones, Marion
Lance Peyton Jones, Columbus
Denise Howes Juhola, Ashtabula
Christian Eric Kaup, San Francisco, CA
Susan Lynn Kelley, Mentor
Ruth Anne Kentner, Caldwell, NJ
Amy Esther Kidwell, Canton
Julie Rae Kimmel, Columbus
Katherine Lois Kitchens, Cincinnati
Diane Koren, Dublin
Robert Jason Kreachbaum, Westerville
Andrew Martin Krumholz, Shaker Heights

Darlene Marie Lebens, Columbus
Steven Dennis Lee, Cheyney, PA
Susan Marie Luke, Englewood
James Andrew Marron, Babyon, NY
Timothy L. McClymonds, Dublin
Deborah Lynne McNinch, Warren
Nora Marie Merhar, Worthington
Brian Keith Mexicott, Columbus
John Eric Mixer, Burton
Richard Lynn Neighbarger, Columbus
Robin Lee Nesbitt, Mt. Gilead
Romy Ann Noltmier, Columbus
Cathleen Mae Olsen, Mt. Vernon
Debra J. Oswald, Monroe
Patrick E. Paquin, Hilliard
Hillary Gal Peretz, Beachwood
James Frederick Perine, Columbus
Robert Price Perry, Marblehead
Christina Maria Peters, Columbus
Diana Dee Phillips, Kettering
Patrick Joseph Piccininni, Worthington
Phillip Nick Potter, Geneva
Marjorie Regina Prince, Columbus
Beth Ann Rapach, Cincinnati
Frank James Reed, Jr., Bexley
Thomas James Revou, Worthington
Camilla Ricciardo, Newark
Karen Rene Richards, Wadsworth
Douglas Todd Robinson, Newark
Thomas James Rocco, Bexley
Gregory Joseph Ross, Perrysburg
Sloan Eric Rubin, Athens
Scott Walter Rucker, Columbus
Harold Keith Sauter, Batavia
Jed Lewis Sawmill, Waynesfield
Thomas John Schmidt, Columbus
Anne Marie Schulte, Cincinnati
Renee Aileen Schwartz, Mountaintop, PA
Neal Alan Semel, Middletown, NY
Amanda Leigh Shelt, Massillon
Christine Ann Shepherd, Lima
Jennifer Ellen Short, Upper Arlington
Jody Lynn Shultz, Maumee
Craig Steven Smith, Richwood
Nicholas Michael Smolkovich, Fowler
Amy Marie Smothers, Iowa City, IA
Eric Carter Staats, Columbus
Michelle Denise Stark, Grove City
David Jay Steiger, Pepper Pike
Bettina Sullivan, Cahanna
Anne Margaret Sykes, Westerville
Rebecca Lee Thomas, Canfield

Jenny Joanna Thorp, North Olmsted
David Sidney Trouten, Jr., St. Clairsville
Mary Ann Undeutsch, Columbus
Margaret Anne Varley, Warren
Tracy Anne Vezdos, Avon Lake
Erica Bloomquist Warner, Columbus
Holli Marie Wellmer, Brecksville
Jeffrey Stuart White, Columbus
Janine Kiraly Wiese, West Jefferson
Kathryn Patricia Wilcox, Temple Hills, MD
Joyce Elaine Wilson, Columbus
Mark Charles Witte, Cincinnati
Edward Thomas Zalipski, Reynoldsburg
Cynthia Zurich, Amherst

College of Mathematical and Physical Sciences

Dean: C. William Kern

Bachelor of Arts

Kimberly Sue Apple, Kettering
April Laverne Artis, Youngstown
Robin Colby Corzatt, Leesburg
Robert Eugene Day, Columbus
Randolph Edwin Digges III, Chillicothe
Andrew Galen Fox, Wooster
Rebecca Jane Garner, Columbus
Sima Geilman, Columbus
Merrill Lee Gladden, Jr., Malta
Kacey Renee Green, Zanesville
Sean Daniel Hoynes, Norton
Craig Douglas Kelley, Glenford
Cheryl Marie Mansky, Boardman
Robert Louis Miller, Toledo
Rebecca Sue Moore, Medina
Richard Todd Moyle, Allentown, PA
Timothy Scott Rankin, Columbus
Susan Lori Schwaiger, Aurora
Michelle Hanako Sugiyama, Westerville
Steve A. Turner, Columbus

Bachelor of Science

Kathleen Mary Andrews, Reynoldsburg
William Allen Armstrong, St. Marys
Philip Aaron Baum, Zanesville
Kathryn Margaret Berchak, Columbus
Lloyd Michael Blake, Jr., Shaker Heights
Elaine Teresa Bowman, Toledo
Mary Beth Breckenridge, Lancaster
Scott Allen Brown, Springfield
Lisa Jeannette Carlin, Akron
Glenn Reid Chave, London
Julia Chen, Morgantown, WV
Steven Charles Clough, Oneonta, NY
Anne-Marie del Giudice, Socorro, NM
Pamela Anne Dennis, Columbus
Mark Joseph Dobrin, Cuyahoga Falls
Joseph Dolinak II, Columbus Station
Suzanne Marie Dorinski, Lorain
Anne Elaine Eagle, Columbus
Thomas Lewis Ellis, Columbus

Emily Bouic Engle, Washington Court House

James Paul Feller, Columbus
Carol Elizabeth Fogel, East Liberty
Frederick Robert Franklin, Cincinnati
Ben William Friedman, Beachwood
Tiffany Renée Gentry, Toledo
Stephanie Anne Gettys, Cincinnati
Katherine Elizabeth Glowacki, Mentor
John William Green, Bellbrook
David Andrew Guralnick, Mercer Island, WA

Scott Quincy Hannum, Berea
Matthew Hur, Cincinnati
Haisam Kassim Ido, Salamiah, Syrian Arab Republic
Richard Victor Jacko, North Olmsted
Darren John Johnson, Columbus
Kevin Theodore Johnson, Erie, PA
Panagiotis George Kakaletris, Athens, Greece

Zoltan Ferenc Kanyo, Brook Park
Eric Roger Kaufmann, Saddle Brook, NJ
Jayna Leigh Kenney, Aurora
Jeffrey Joseph Kiener, Pataskala
Douglas Stephen Kilmer, North Canton
Martha Jean Kirner, Sandusky
Lisa Beth Kossiver, Cleveland Heights
Steven Lyle Lecky, Wadsworth
Corinne Elizabeth Lehmann, Hamilton
Julia Huei-Jian Lo, Taiwan, R.O.C.
Diane Marie Lunder, Willowick
Robert Edward Martin, Cleveland
Mary Frances McDonough, Steubenville
Joseph Patrick Mehrle, Columbus
Donna Jeanne Melchiori, Blacklick
Wendy Kay Mesier, Columbus
Richard Paul Metzger, Jr., Niceville, FL
Gary Lee Mitchell, Columbus
Jerome Robert Pfeiffer, Versailles
Bjork Ragnarsdottir, Hafnarfjordur, Iceland

Susan Ransohoff, Bethesda, MD
Gregory Adam Reichard, Cincinnati
David John Rios, Niles
Gregory Morris Saunders, Piqua
Susan Marie Scalzo, Dublin
James Warren Shoots, Westerville
Albert B. Short, Westerville
Todd L. Silas, Columbus
Geraldine Anne Sinatra, Avon Lake
Tonda Kay Strouble, Louisville
John Michael Sullivan, Columbus
Stella Mei-Mei Sung, Worthington
Marci R. Tabacchi, St. Clairsville
Matthew John Tagliaferri, Richmond Heights

Nicholas Thurn, Columbus
Michael A. Ulm, Coral Springs, FL
Leslie John Vandermark, Columbus
Grace Anne Wan, Columbus
Robert Leonard Wheatley, Columbus
Cynthia Ruth White, Canton
Victoria Danene Wright, Bellevue, NE
Lee Lan Yip, Hong Kong
Pamela Louise Young, Columbus
Christian Aaron Zorman, Marysville
Stephan Joseph Zvonar, Huber Heights

College of Social and Behavioral Sciences

Dean: Joan Huber

Bachelor of Arts

Lori Junkersfeld Abbott, Worthington
Caren Sue Albers, Columbus
Craig Howard Alexander, Steubenville
Melissa Antoniadis, North Canton
Douglas Alan App, Upper Arlington
Daniel Aronowitz, Cincinnati
Jeanie M. Atanasoff, Columbus
Paul Joseph Atkinson, Elyria
Kimberly Anne Auer, Huron
Gary James Baldauf, Arlington Heights
Chandra Sue Baldwin, Chagrin Falls
Daniel Edward Banks, Elida
Deborah Ann Bannister, Perrysburg
Brian James Barth, Brecksville
Eric Paul Battle, Cincinnati
Carl Joseph Bauer, Euclid
Kristine Lynn Baumgartner, Tiffin
Robin Rebekah Baxter, Columbus
Paul Stephen Beach, Beavercreek
Scott Brian Beals, New Carlisle
Ann Elizabeth Beckley, Akron
Beth Ann Benadum, Columbus
Eric Harlan Berko, Elyria
Darcy Alison Berliner, Columbus
Richard Norman Wentworth Berry,
St. Thomas, VI
Paul William Beshers, Columbus
Eric Todd Bleiweis, Edison, NJ
Deborah Ann Bonarrigo, Columbus
Sheryl Lynn Bowling, Circleville
Peter Stanley Bressoud, Springfield
Tracye Fawn Brewton, Shaker Heights
Deborah Susan Brown, Avon Lake
Henry Louis Brown, Jr., Queens, NY
Mark Raymond Brown, Worthington
Martha Elliott Brown, Granville
Sheilah Noreen Brown, Columbus
Jerry Lee Buchs, Amherst
Kathleen Ann Budrus, Middletown
Kevin Scott Burdette, Canfield
Renée Louise Burgdorf, Strongsville
Rosa Maria Cahill, Medway
Tammy Angela Callaghan, Columbus
Craig Russell Campbell, Columbus
Pamela Lynne Campbell, Fairborn
Lisa Ann Carnes, Canton
Amy Beth Carpenter, Columbus
Cynthia Ann Carter, Cleveland
David Casarona, Cincinnati
Mary Caroline Cassanos, Newark
Jeffrey Thomas Catalano, Columbus
Duncan C. Cavanaugh, Mt. Adams
Pamela Louise Champlin, Akron
Mark Joseph Christel, Carroll
Andrea Lyn Chrysler, Seven Hills
Lucianne Rose Ciferno, Warren
David Eugene Clarke, Grove City
Margaret Asalynn Taylor Clawson,
Gahanna
Colleen Michelle Clement, Dayton

Collette Jeanne Clement, Dayton
Jon David Cohen, Columbus
Lisa Ann Colaianni, Canton
Tracy Ann Combs, Middletown
Lisa Lynn Conant, Westerville
Scott Allen Cooper, Columbus
April Nannette Corns, Portsmouth
Gregory Karl Cramer, Fostoria
Gay Ann Cronley, Kenton
James Charles Crowley, Nashville, TN
Camille Nadine Curtis, Akron
Laura Lynn Curtis, Upper Arlington
Phyllis Renee Daniels, Parkersburg, WV
Deborah Sue DeCenso, Mansfield
Katherine Page DeCourcy, Cincinnati
Christine Marie Demos, Upper Arlington
Luiza Garcia deSouza, Uberlandia, M.C.,
Brazil
Dina Francine DeTally, Newbury
Margaret Jones Dillon, Columbus
Fadzilah Din, P. Pinang, Malaysia
Lisa Elizabeth DiPaolo, Columbus
Paul James Dixon, Columbus
Michael Gregory Dobronos, Brecksville
Kristina Lyn Doll, Gahanna
Mary Angela Donahue, Columbus
Laura Lee Dowling, Willard
Michelle Leah Dranichak, Columbus
Sharon Marie Dress, North Olmsted
Annabell Droz-Berrios, Arroyo, PR
Jeanne Marie Dumbacher, Cincinnati
Mark E. Easterday, Beavercreek
Douglas Wade Eaton, Lima
Scott Paul Edersheim, Honeoye, NY
Keith Melvin Ellis, Columbus
Marla Jean Eshelman, Clyde
Patrick Gregory Fath, Mentor
Maha Fayadh, Westlake
Edward Joseph Fellows, Cadiz
James Victor Felty, Columbus
Randall William Ferguson, Caldwell
James Christopher Ferri, Warren
Lynne Ann Fiala, Cincinnati
Scott Allen Fierman, Lyndhurst
Patrick Gordon Fink, Massillon
Laura Lee Fiorentino, Worthington
Anthony Martin Fischer, Columbus
Andrew Jay Fiscus, Smithville
Jennifer Lynn Fisher, North Bend
Rhonda Leigh Fisher, Stryker
Michael James Fitzgerald, Erie, PA
Darinka Dyan Fletcher, Shaker Heights
Terrence Peter Flink, Centerville
James Michael Forche, Toledo
Kimberly Sue Foulkes, Columbus Grove
Ronald Fowler, Akron
Deanne Therese Frabotta, Columbus
Antonio Scott Franceschini, Solon
Michael William Freeze, Massillon
Gregory Coleman Friend, Belpre
Wesley David Frisone, Canton
Kimberly Ann Fullman, Cincinnati
Julie Ann Gafford, Columbus
Tracy Anne Galbreath, Marion
Rebecca Lynne Galerston, Tulsa, OK
Beth Ann Gardini, Hinckley
David Scott Garland, Columbus
Ian Greg Garland, Euclid
Christine Marie Geers, Dover

Dean Christopher George, Cleveland
Steven Rothchild Gill, Beachwood
Stephanie Lynn Girod, Van Wert
Stacey Rana Gold, Canton
Amy Lynn Goldner, West Milton
Kristi Lou Gominger, Perrysburg
Brandy Dené Goodman, Cardington
Jennifer Lyn Gordon, Ligonier, PA
Michelle Rae Gordon, Kansas City, MO
Patricia Lynn Graham, Groveport
Christine Elizabeth Granger, Marion
Susan Elizabeth Grant, Bay Village
Steven Montgomery Graves, Chillicothe
Jane Marie Grote, Westerville
Stephanie Gail Gussler, Columbus
Sheila Marie Gwin, Dayton
Steven Howard Hacker, Wilmington
Patrick Jude Haney, Columbus
Marie-Elise Suzanne Hara, Granville
Mary Ellen Harnak, Mentor
Andrew Sidney Harper, Kettering
Kathryn King Harrison, Zanesville
Scott Keith Harrison, Columbus
Lisa Diane Harsh, Columbus
Megan Lisa Hedberg, North Kingsville
Marilyn Joan Heid, Dayton
Thomas John Henderson, Solon
Kendra Paul Hengesbach, Richmond
Heights
Christine Marie Herridge, Columbus
Tracy Ann Hewlett, Poland
Barbara Gibson Hill, Columbus
Kelly Robin Hill, Columbus
Shelly Karen Hillyer, Ashtabula
Lisa Marie Hirsch, Chillicothe
Jong Chul Hoh, Toledo
Mitchell J. Holden, Cleveland
Alesia Marie Holliday, Barnesville
David Karl Householder, Ashland
James Robert Hubbell, Jr., Sardinia
Kevin Allen Hughes, Columbus
Karen Lynne Husman, Cincinnati
Ivana Maria Islic, Lakewood
Lorie Lea Jacobs, Louisville, KY
Benjamin Swingly Jeffries, Jr.,
Wintersville
Harvis Vinson Jenkins, Jr., Cleveland
Julie Marie Jenkins, Columbus
Tamar Lynn Johnson, Columbus
Susan A. Joyce, Columbus
Elizabeth Rita Juhasz, Cleveland
Peter Kevin Kageyama Akron
Neovi Michael Karakatsanis, Chios,
Greece
Mark Myron Karas, Cleveland
Gary Noah Karetsky, Scarsdale, NY
Lori Ellen Katz, Cincinnati
Geri Kay Katzman, Toledo
Greg Andrew Kaufman, Aurora
Kevin Rees Kay, Huron
Kevin Lynn Keefer, Fort Clinton
Kimberly Kay Keller, Newark
Martha Rose Kelley, Ottawa
John Daniel Kelly, Toledo
Angela Marie Kilberger, Lancaster
Beth M. King, Columbus
Olivia Ruth King, Yuma, AZ
Melissa Kirchner, Youngstown
Tammy Kaye Kornja, Columbus

David Charles Kritz, Lorain
 Joel Joseph Kroliski, Amherst
 Marie Anne Kubalak, Columbus
 Kristine Grace Kucera, Moreland Hills
 Kenneth Joseph Lang, Cincinnati
 Eric David Lazear, Niles
 Susan Murray Learner, Cuyahoga Falls
 Sean Patrick Lee, Pawtucket, RI
 Lynn Susan Le Scoezec, Grafton
 Mary Elizabeth Leshner, Miamiville
 Sharon Rose Lettofsky, Shaker Heights
 Seth D. Leventhal, Cleveland Heights
 Barry Ira Levy, Central Islip, NY
 Arthur Wesley Lewis, Fairborn
 Roger Allen Lewis, Columbus
 Jorge Luis Llana, Columbus
 AnneMarie Loftus, Lakewood
 Lisa Marie Lombardo, Columbus
 Lisa Anne Longenberger, Berwick, PA
 Kevin Grant Malchow, Winter Springs, FL
 Bronson Ray Mallett, Grove City
 Susan Marie Mathews, Worthington
 Theodore Pete Mattis, Columbus
 Sarah Elizabeth May, Columbus
 Kathleen Ann McCabe, Worthington
 Amelia Therese McCarthy, Jackson Center
 Molly Ann McGowan, Cincinnati
 Molly Ann McGowan, Toledo
 Ellen Frances McHugh, Dayton
 Timothy Joseph McNicol, Wellsville
 Denton George Mease, Cumberland, MD
 Vasiliki George Meimaridis, Vermilion
 Jeffery Allen Meiring, St. Marys
 Beth Ann Mickle, Danville
 Anne Bernadette Miller, Dublin
 Kimberly Jill Miller, Bath
 Robert Edward Moeller, Dublin
 Frank Eric Moeritz, Sagamore Hills
 Brian Keith Moll, Boardman
 Susan Elaine Moran, Hillsboro
 Glenn Theodore Moray, Pittsburgh, PA
 Deborah Marie Morgan, Columbus
 Lisa Morganstern, Pepper Pike
 Ambrose Moses III, Oakdale, LA
 Adam Nathan Moskowitz, Cincinnati
 Noha H. Mourad, Brunswick
 Mark Earl Mulheim, Navarre
 Daniel Jonathan Myers, Zanesville
 Helen Ann Napier, Lewisburg
 Jeffery A. Nash, Twinsburg
 Laura Kristin Neidig, Marion
 Dale Richard Neitman, Kettering
 Richard Nieves, Sauter, PR
 Michele Louise Noel, Arcadia
 Stephen K. O'Brien, Euclid
 William Patrick O'Brien, Richmond Heights
 Lisa Kay Odell, Bay Village
 John Timothy O'Donnell, Westerville
 Jeanne Marie Oja, Columbus
 Eric John Opplinger, Bowling Green
 Steven Orr, Kettering
 William Spurlock Owen III, Warren
 Eric Maurice Pannell, Columbus
 Patricia Jean Papes, Cincinnati
 Marie Ann Pappalardo, Chardon
 Lisa Ann Perna, Upper Arlington
 Anthony John Perisi, Lorain

Mia Gabriella Perry, Groveport
 Mary Jean Petron, Sagamore Hills
 Stacy Lynne Pfahler, Shelby
 Patrick Joseph Piccininni, Worthington
 Susan K. Pieper, Kettering
 Donald Jacob Pijor, Lorain
 Caryn Sue Pinkerton, Dublin
 Christopher Alan Polovick, Columbus
 Susan Lynn Potter, Akron
 Jill Susan Prickett, Cincinnati
 Paul Arthur Raaf, Medina
 Catherine Rabidis, Butler, NJ
 Rena M. Ransom, Columbus
 Caren Sue Raterman, Minster
 Paul Phillip Readinger, Fairview Park
 John Charles Reed, Ottawa
 Susan Mary Reiner, Shaker Heights
 John Michael Reymann, Akron
 Michael Kevin Rhonemus, Ithaca, NY
 Kimberly Kaye Richards, Dundee
 Charles Elwood Richardson III, Warren
 Linda Joyce Roberts, Columbus
 Francis Howard Rogers III, Kent
 Marci Jo Rogoff, Beachwood
 Lisa Renée Rohl, Reynoldsburg
 Kristie Diane Rokos, Adena
 Robert John Roman, Mansfield
 Kerri Ann Rosenking, Levittown, Long Island, NY
 James H. Rosmarin, Columbus
 Michael Craig Rouse, Fort Walton Beach, FL
 Carol Jane Ruddy, Columbus
 Susan Alice Rugani, Waynesburg
 John Anthony Ruiz, Hilliard
 Julie Irene Sabroff, Mentor
 Cathy S. Saltkield, Martins Ferry
 Anna Sapounaki, Kifissia, Athens, Greece
 Mark David Schemmel, South Amherst
 Jennifer Ellen Schwartz, Shaker Heights
 Roberta Sue Seldman, Canton
 David Lawrence Sercu, West Carrollton
 Amy Malta Sexton, Columbus
 Cheryl A. Sheller, West Jefferson
 Mary Ann Sheridan, Columbus
 Kenneth Wayne Sherman, Bucyrus
 Shari Vonne Sherman, Akron
 Julie Dawn Shoop, Upper Arlington
 Julie Lynne Showiak, Akron
 Jeffery Lynn Shultz, Maumee
 Baldev Singh Sidhu, Jr., Columbus
 Denise Simmons, Pittsburgh, PA
 Judith Ann Simon, Cleveland
 Matthew Paul Simpson, Granville
 B. Scott SirLouis, Bath
 Elizabeth Anne Skowron, Dayton
 Karen J. Slanicka, Columbus
 Laurie Sue Smith, Hilliard
 Stephen Wayne Smith, Springfield
 Kristin Carson Smithberger, Howard
 Hollie Ann Snow, Howard
 Jennifer Snyder, Middletown
 Michele Beth Sosnoswsky, Beachwood
 Richard Eric Spencer, Wooster
 John James Spiropoulos, Columbus
 Thomas Lee Spitzer, McCutchenville
 Carl Alan Spurbeck, Reynoldsburg
 Michelle Marie Stanford, Perrysburg
 Randall Evan Stevens, Hudson

Mark Robert Stubbs, Centerville
 Martha Priscilla Sulser, Bucyrus
 Jeffrey Dwain Swank, Mansfield
 Sharon Marie Swartz, Lancaster
 Melissa Ann Swinton, Ossining, NY
 Raymond Russell Swisher, Columbus
 Scott Michael Syring, Toledo
 Carolyn Lee Thaeler, Middletown
 Nathan David Thomas, Sagamore Hills
 Susan Elizabeth Thompson, New Albany
 Jenny Joanna Thorp, North Olmsted
 Shelly Anne Tobin, Vermilion
 Mary Lisa Trenary, Chillicothe
 Erin Elizabeth Trifshouser, Batavia, NY
 Ellen Lee Truxall, Columbus
 Wayne James Underhill, Strongsville
 Ronald Wayne Vanio, Willoughby Hills
 David Allen Van Order, Columbus
 Linda Marie Wagy, Blacklick
 Steven Kenneth Walker, Cincinnati
 Darryl James Walters, Columbus
 David Patrick Warner, Louisville
 Cynthia Elizabeth Watkins, Columbus
 Lori Louise Watkins, Columbus
 Ivan Eugene Watts, Cincinnati
 Carolyn Marie Weeda, Dayton
 David Alan Weisberg, Beachwood
 Diana Lynn Weiss, Buffalo, NY
 Douglas Ward Wetzel, Westerville
 David Alexander Whitcomb, Upper Arlington
 Mark Alan Whitman, Ravenswood, WV
 Anthony Clayton Whitmer, Coshocton
 Jennifer Marie Wilcox, Columbus
 Kathryn Patricia Wilcox, Temple Hills, MD
 Paul Richard Williams, Uniontown
 Adonna R. Wilson, Cardington
 Scott Harvey Wilson, Marion
 Lori Elizabeth Witherup, Coshocton
 Milissa Penelope Wojta, Columbus
 Robert Alan Work, Hilliard
 Cathy Chilton Yaste, Middletown
 Angela Mahan Yeldell, Columbus
 Elizabeth Jule Zeidenberg, Bethesda, MD
 Donald Alan Zeppernick, University Heights
 Robert Alan Zimmerman, Beachwood
 Dina Zinni, Middleburg Heights
 Christian Aaron Zorman, Marysville

Bachelor of Science

Sherry Elizabeth Altizer, Centerburg
 Dale Jeffrey Arnett, Mechanicsburg
 Karen Amy Besselievre, Columbus
 Stephen Vincent Bradley, Franklin
 Laurel Nikki Bravo, Cleveland
 Terri Lee Bunn, Toledo
 Marie Caputo, Strongsville
 Rodrigo Alberto Chaves, San Jose, Costa Rica
 Deborah Ann Cianflona, Delaware
 Kimberly Sue Conrath, Marion
 Francine Laura Cosner, Cleveland
 Susan Wolfe Cotterman, Coshocton
 Nancy Joan Davidson, Marion
 Timothy Broadhurst Decker, Berea

Lisa Ann Dewire, Bryan
 Paul Anthony Dudchenko, Sheffield Lake
 Timothy Grant Ferree, Columbus
 Barbara Jane Fickell, Upper Arlington
 Nathan Edwards Freer, Cincinnati
 Edwin Dale Hendrickson, Midland, MI
 Kimberly Dawn Homa, Alpharetta, GA
 Joseph Anthony Iannucci, Jr., Toledo
 Lisa Marie Joliat, Canton
 Michael Brian Katka, Columbus
 Clark James Leslie, Beavercreek
 David Vincent Mackett, Reynoldsburg
 Samuel James Matchett IV, Columbus
 Daniel Kian McKiernan, Westerville
 David Warren Mills, Norwalk
 Anthony Abrillo Moraleja, Waverly
 Daniel Marc Neides, Pepper Pike
 Heide Maria Newton, Hudson
 Heather Chapin Reed, Westerville
 Kimberly Ann Schoch, Warren
 Michael Stephen Schottenstein, Columbus
 Kimberly Ann Selvage, Wooster
 Judith Ann Silagy, Westlake
 Mark Andrew Spadaro, Mentor
 Leann M. Stadlander, Columbus
 Jaylyn Marie Stahl, Reading
 Pia Camilla Stensby, Oslo, Norway
 William Christopher Suren, Strongsville
 Christopher Jon Thomas, North Canton
 Laura Grace VanArsdale, Wyoming
 Michael Lawrence Waxman, Lyndhurst
 John William Welsh, Jr., Parma Heights
 Stephen Allan White, Largo, FL
 Christopher Andrew Wroblecki, Highland Heights

School of Journalism

Bachelor of Arts in Journalism

Robert Eric Adelstein, Lyndhurst
 Michael Charles Adolph, Mogadore
 Deborah Lynn Alexander, Pepper Pike
 Thomas Michael Andrews, Jr.,
 Steubenville
 Laura Kristin Arthur, Worthington
 Dale Charles Bagwell, Boardman
 Samantha Lee Baker, Bexley
 Jay William Becker, North Olmsted
 Robert Ray Berger, Jr., Butler
 Scott Clarkson Bitzer, South Euclid
 Lesley Rose Bradley, Lorain
 Traci Darlene Brown, Columbus
 Nicholas Anthony Bryan, Columbus
 Cynthia Ann Byrd, Columbus
 Susan Jane Carey, Columbus
 Mary Catherine Chojnacki, Gates Mills
 Christine Ann Crumrine, Lima
 Michael Anthony Demko, Copley
 Patrick Douglas Derr, Circleville
 Mary Catherine DiSalle, Maumee
 Andrew Jerome Downey, Columbus
 Casey Devin Doyle, Gahanna
 Susan Elizabeth Drapkin, Pittsburgh, PA
 Dana Lynn Dwoish, Lyndhurst
 Brian Louis Dytko, Canton
 Regina Vite Eckel, Fort Worth, TX

Louis John Fabro, Columbus
 Maureen Susan Fearon, Canton
 Darryl John Feldmeyer, Dayton
 Cathleen Marie Finn, Cincinnati
 Christine Alexandra Fisanick, Columbus
 Leslie Lynn Flacche, Westerville
 Rebecca Lynne Flowers, Wadsworth
 Nanette Marie Fortman, Westerville
 Gina R. Fralic, Chesapeake
 Denise LaShon Fuller, Columbus
 Janice A. Fulmer, Akron
 Vincent Eugene Garlock, Lima
 Richard Paul Geib, Lakewood
 Melissa Jo Green, Sylvania
 Joseph Patrick Griffin, Columbus
 Joanne Mary Grunenwald, Columbus
 Thomas S. Haughey, Sylvania
 Donna Kristen Heisler, Beavercreek
 Denise Janette Hergatt, Westerville
 David Bruce Hickman, Jr., Columbus
 Lisa Ann Hill, Radnor
 Lydia Angelita Hill, Cincinnati
 Barbara Lynn Hoene, Kettering
 Stephen Kenneth Hoza, Cincinnati
 Lori Ann Hull, Vermilion
 Suzanne Marie Jansik, Broadview Heights
 Megan Elizabeth Janusz, Grandview Heights
 Patrick Steven Jeffrey, Madison, NJ
 Marilynn Catherine Johnson, Sylvania
 Patrick Lydon Kilbane, Avon Lake
 Dean Howard Klein, Shaker Heights
 Gabrielle Ann Klein, Beachwood
 Jonathan Carlson Knechtly, Cincinnati
 David Aaron Komessar, Weston, MA
 Karen Sue Kostelnik, Painesville
 Kelly Ann Kugler, Lockport, NY
 Mark Stuart Laven, Beachwood
 James J. Lease, Beachwood
 Mary Anne Leonard, Columbus
 Gerald Lima, Columbus
 Heather Marie Loughley, Bridgeport
 Kerry Ann Lynch, Perry
 Scott Joseph Mangini, Westerville
 Carmel Martin, Lodi
 Mark E. Martindale, New Albany
 Kimberly Kay Matthews, Fostoria
 Dorothy Mae McCollum, Canton
 Sharon J. McKisson, Wellington
 Donna Jean Meacham, Columbus
 Amy Christine Meldrum, Massillon
 Gregory Harmon Mende, Mansfield
 Eric Jude Mettes, Toledo
 Kevin Jon Milliken, Minerva
 Lori Christina Morar, Springfield
 Lisa Ann Nerone, Worthington
 Kelly Maureen O'Connor, Westerville
 Amy Lou Oliver, Westerville
 Paige R. Oliver, Morrow
 Jill Marie Pavloff, Cincinnati
 Michele Cherie Phillips, Cincinnati
 Jeffrey James Plaat, Columbus
 Dawn Marie Plante, Chesterland
 Julie Anne Poulson, Worthington
 Pamela Kay Prosser, Columbus
 Kelly Jean Quinn, Columbus
 Jeffrey Wayne Rapp, Columbus
 Robert Thompson Ridlehoover, Jr.,
 Reynoldsburg

Anita Renee Morris, Bexley
 Allyson Lynn Roth, Solon
 James Michael Schaefer, Columbus
 John Martin Schoenborn, Fort Myers, FL
 Tamara Carol Schubert, Minster
 Amy Marie Schultz, Columbus
 Lori Ann Sheid, Pompton Lakes, NJ
 Daniel David Shellenbarger, Waynesville
 James Vernard Shindler III, Sylvania
 Anya Maria Silecky, Lorain
 Laurie Jean Simpson, Columbus
 C. Calvin Skaates, Westerville
 Eric John Smith, Cincinnati
 Holly Susan Smith, Mariemont
 Rebecca Ellen Smith, Westlake
 John David Sours, Wadsworth
 Maria Lena Sprankle, New Springfield
 Scott Alan Stearns, Toledo
 Lisa Jane Summers, Zanesville
 Daniel Julian Sutandar, Medina
 Courtney Lynne Sutton, Antioch, IL
 Nancy Jo Sutton, Westchester
 Valerie Lynn Swoyer, Ashville
 Jacqueline Rae Thurston, Centerville
 James David Touvell, Columbus
 Andrew Leonard Trefz, West Union
 Julie Ann Truex, Wadsworth
 Karen Jean Tussey, Milan
 Lori Anne Vechazone, Columbus
 Allan Francis Villafaña, Miami, FL
 Jeffrey Gabriel Waxman, Cincinnati
 Maria Danielle Welt, Silver Springs, MD
 Eric John Weiler, Chagrin Falls
 Heather Therese Westley, Toledo
 James Forrest Whisler, Kirtland
 Diedre Lynnette Williams, Cleveland
 Patricia Diane Wise, Perrysburg
 Lucinda Ann Wolstenholme, Marysville
 Patricia Ellen Young, New London

College of Agriculture

Dean: Frederick E. Hutchinson

Bachelor of Science in Agriculture

Kelly Wayne Ager, Jewett
 Dawn Patricia Alspaugh, Springboro
 Jon Mark Anders, London
 Jeffrey Alan Bahnsen, Perrysburg
 Sara Grace Baker, Sylvania
 Louie Angelo Basilone, South Euclid
 Shawn Vincent Belt, Columbus
 Robert Charles Berry, Wadsworth
 Robyn Lynn Besecker, Arcanum
 Michael Angelo Bianchi, Cincinnati
 Tesfaye Wosenyeh Biru, Columbus
 Robert Fager Black III, Columbus
 Rebecca Catherine Boerger, Seaman
 M. Neal Bond, New Vienna
 Gary William Bowers, Sidney
 David Carlton Boyle, Columbus
 Judith Diane Brazis, Burbank
 Laurie Ann Burnett, Cincinnati
 Thomas Barry Burroughs, Batavia
 Kibb Lawrence Calaway, Columbus
 Michelle Lynn Callahan, Williamsport

Christy Mae Cavanagh, Burton
 Mark Robert Charville, Milan
 Chris Allen Clark, New London
 Roger Alan Clark, Attica
 Aaron Christian Cole, Republic
 Eric Robert Cook, Paulding
 Bryan Lee Crapo, Wellington
 Todd Dale Creager, Wauseon
 Mark Steven Cronin, Hudson
 Julie Anne Davis, Marion
 Eugene David DeBruin, Sugar Grove
 William Jay Decker, Green Camp
 Eric Lee Dodd, Amherst
 John David Dryer, Avella, PA
 Gail Elaine Edgington, Middletown
 Bethann Emmons, Fayette
 Todd Richard Emo, Ransomville, NY
 Timothy David Eppley, Zanesville
 Joseph Calvin Erb, Whipple
 Donna Lee Estey, Troy
 Anne Marie Fay, Dayton
 Tony Allan Finchum, South Charleston
 Mark Allen Frank, Homeworth
 Matthew Ross Frost, Utica
 Roger Llewellyn Getting, Cleveland Heights
 Ralph Anthony Gillota, Medina
 Ashley Lynn Gordon, Marysville
 Kevin James Grace, Brecksville
 Carol Marie Grant, Columbus
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 Brian Kenneth Gwin, Shreve
 Gregory Ara Hamamjian, Lakewood
 Lynn Lemar Hamilton, Felicity
 Jeffrey Scott Hara, Farmersville
 Rodney Lynn Heffner, Harrod
 Patricia Heinrich, Mentor
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 Jay Paul Henderlong, Plain City
 Elizabeth A. Henson, Lima
 David Lee High, Columbus
 Jefferson James Hingson, Jenera
 Kevin James Hooper, Dresden
 Mark Elden Houts, Celina
 Andrew Robert Huey, Marysville
 Bettye Claire Huffman, Powell
 Randall Lee Hutchison, Columbus
 Kevin Thomas Jenne, Iberia
 Robin Lu Johnson, Columbus
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 Jeffrey Robert Kreinbrink, Leipsic
 Tamara Gail Kritzler, Kenton
 Sandra Jo Kuhn, Rockbridge
 John G. Labine, Maumee
 Sharon Ann Lambert, Pickerington
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 David Ross Lendon, Columbus
 Todd Mitchell Long, Alger
 Darcy Ann Loos, Worthington
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 Brian John Mahoney, Long Island, NY
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 Timothy Charles McDaniel, Urbana
 Charles Timothy Meder, Columbus
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 Juan Fernando Moreno, Bucaramanga, Colombia
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 Pamela Lynn Nau, Pleasant City
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 Robert Alan Niederman, Hamilton
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 Cathy Ann Palatinus, Petersburg
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 Ronald Duane Parks, New Concord
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 Bryan Thomas Rice, North Canton
 Donald Martin Roth, Beachwood
 Collin Jan Ruckel, Waite Hill
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 James Vincent Sharp, Jefferson
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 Marjorie Lynn Sigler, Franklin
 Van Howard Slack, Roseville
 Mark Edwin Slater, Hebron
 Kenneth Elton Smith, Worthington
 Stacey Ann Smolik, Euclid
 Eric Riley Sorrell, Eaton
 Brian Allen Spahr, Findlay
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 Kurt David Steiner, Creston
 Kevin Allen Stoner, Loudonville
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 Christopher John Willman, Attica
 Robert Todd Wise, New Philadelphia
 Lorene Ann Wurts, Attica
 John Matthew Yager, Chesterland
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 Trisha Marie Zimmerman, Dayton

Bachelor of Science in Food Science

Andrew Scott Ames, Toledo
 Rose Catherine Bruno, Dublin
 Connie Jean Justinger, Defiance
 Tracy Glen Kavanagh, Richwood
 Amy Elizabeth Peacher, Hamilton
 Cheryl Ann Peters, Columbus
 James Michael Post, Indianapolis, IN
 Rosalyn Ruland, Madison
 Cameron Dwight Wright, Conneautville, PA

Bachelor of Science in Food Technology

Paula Jean Rausch, Marysville
 Jeffrey Keith Seeds, Pickerington

School of Natural Resources

Bachelor of Science in Natural Resources

Vincent Patrick Ashcraft, Piqua
 Stephen Edward Bachmann, Lyndhurst
 Roberta Jane Beyer, Kettering
 Daniel Garrett Bissonette, Dayton
 Robert G. Blanke, Reynoldsburg
 Sharon Louise Bogner, Centerville
 David Paul Cremer, Perrysburg
 Craig Allen Davis, Casstown
 James Louis Eckert, Strongsville
 Bryan Arthur Fail, Columbus
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 Thomas Allen Hrivnak, Manchester
 Daniel Herman Huss, New Riegel
 William Edward Jasko, Columbus
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 Peter Norman Johnson, Brunswick
 Daniel Richard King, Galena
 Anthony Joseph Lavatori, Cincinnati
 John Paul Leahy, Hilliard
 Theresa Marie MacDonald, Gahanna
 James Francis Mehl, Maustown
 Patrick John Murray, Cleveland
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 Patrick Edward Radachi, Elyria
 Robert John Reid, Bay Village
 Timothy James Riegel, Columbus
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 David Eric Sherman, Bucyrus
 George Alfred Sholtis, Ashtabula
 Vanessa Jeanne Steigerwald, Strongsville
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 Suzanne Marie Walker, Hamilton
 James Randolph Wallace, Byesville
 Raymond Karl West, Vermilion
 Liesl Carol Wheeler, Fairfield
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 Youngstown
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College of Business

Dean: H. Justin Davidson

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 Wendell Alan Cauley, Washington Court
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 Yew Leong Choong, Butterworth,
 Malaysia
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 Kathryn Mary Conway, Middleburg
 Heights
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 Melinda Kay Corwin, Delaware
 Mary Elizabeth Crespy, North Olmsted
 Kelley Christine Crites, Gahanna
 John Joseph Cronley, Columbus
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 Thomas Anthony Cullinane, Cleveland
 Todd Alan Cunningham, Lancaster
 James Brian Cuthbert, Columbus
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 Vinh D. Do, Columbus
 Khozema Shabbir Doctor, Gallipolis
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 Mary Margaret Duckworth, Stow
 Mark Allen Duffey, Gahanna
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 John Earl Eberhart, Circleville
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 Canada
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 Church, VA
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 David Takashi Ito, Hudson
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 Julie L. Jacobus, Akron
 Randall Scott Jacques, Columbus
 Nancy Joann Jakubisin, Warren
 Mark Edward Jamison, Allison Park, PA
 Laurie Ann Januska, Litchfield
 Aaron Lee Jarvi, Bay Village
 Beth Ann Jaynes, Westerville
 Julianne Jenkins, Mansfield
 Scott Byron Jensen, Cleveland
 Daniel Jizhar, Jakarta, Indonesia
 Leonard Jay Johnson, Akron
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 Richard Edward Johnson, Newton Falls
 Jennifer Lynn Jones, Mechanicsburg, PA
 Renee Lynn Jones, Alliance
 Elizabeth Marie Juhasz, Mansfield
 Fawzi Monzer Kabbara, Tripoli, Lebanon
 Laura M. Kalle, Clifton Park, NY
 Jane Eunha Kang, Elyria
 Jeffrey Daniel Kasper, Toledo
 Ing Chuan Kau, Singapore, Singapore
 Brian Louis Kazdin, Beachwood
 Brian S. Kelley, Perrysburg
 Crystal Dawn Kelley, Columbus
 Keith Brian Keyser, Greenwich
 Kathleen Lee Khol, Lyndhurst
 Dorothy A. Killian, Canton
 Patrick S. Kilrain, Highland Heights
 Ruth Janeen Kimerline, Bucyrus
 Christopher James Kindy, Redmond, WA
 Janel Renee King, Galion
 Todd Allan King, Stone Creek
 Robert William Kint, Circleville
 Bruce Everitt Kitchen, Cincinnati
 Steven D. Kleinknecht, Galion

Cheryl Lynn Knauber, Ashley
 Kirstin J. Knott, Columbus
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 Eric Francis Kristofic, Columbus
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 David Frederick Krumel, Gahanna
 Susan Lee Krumesc, Independence
 Deborah Ann Krzys, Valley City
 Jeffrey Allen Kuhr, Cincinnati
 Kyra Ann Kurtz, Cincinnati
 Dijana Kuzarevski, Columbus
 Kimberley Lynn Lahmon, Fancher, NY
 Michelle Toby Landever, Shaker Heights
 William Ronald Lane, Hudson
 Brian James Langguth, Bedford
 Peter Carl Langhals, Columbus Grove
 William C. Latta II, Columbus
 David John Lattimer, Logan
 Krisann J. Lear, Painesville
 Becky Cathy Lynn Ledford, Hamilton
 Angela Lee, Troy, MI
 Edward Nearing Lehmann, Hillsboro
 Ray E. Leonard, Westerville
 James Alan Levasseur, Beverly, MA
 John Randall Lewis, Lima
 Gregory J. Liakos, Columbus
 Timothy Eugene Liggins, Columbus
 Gretchen Kay Links, Toledo
 Laura Jane Linn, Canton
 Anne E. Linville, Middleburg Heights
 Waikit Liu, Singapore
 Cherie Lynn Livingston, North Canton
 Jeffery R. Lohmeyer, Sylvania
 Michelle Lynn Lojek, Cuyahoga Falls
 Kevin Todd Londot, Utica
 Robert Joseph Louwers, Plymouth, MI
 Piero Domenico Lucrezi, Painesville
 Troy Luther Luke, West Lafayette
 Glenn Barry Lustgarten, Toledo
 Dale Michael Lutz, Cincinnati
 Joseph John Madanski, Painesville
 Michele Elaine Maerker, Springfield
 Anthony Joseph Magnacca, Columbus
 Edward Dennis Makruski II, Marengo
 Stephen Clark Malcolm, Canton
 Michael W. Malloy, Columbus
 Biljana Manev, Columbus
 Jim Craig Manning, Centerville
 Christopher James Marino, Warren
 Jeffrey Scott Martin, Maumee
 Patrick John Martin, Lancaster
 Richard Joseph Martin, Newark
 Wayne Donald Martin, Everett, WA
 Daniel Scott Mason, Dayton
 Douglas Clayton Matney, Columbus
 Linda Ruth Mattson, Antioch, IL
 Shelley Lynn McBean, Chardon
 Brian Michael McCarthy, Sylvania
 Betsy Kerr McCarty, State College, PA
 Cynthia Lynne McCord, Upper Arlington
 Jeffrey Scott McCuen, North Ridgeville

Mark Cooper McCullough, Columbus
 Ronald L. McDaniel, Columbus
 Timothy S. McDonald, Newark
 Karla Renee McDowell, Millersburg
 Timothy Lawrence McGarry, Cleveland
 Stephen James McKelvey, Wadsworth
 Joseph M. McManus, Westerville
 Jeffrey Allen Megyesi, Whitehouse
 Scott Allan Mekus, Defiance
 Jody Lynn Melton, Monroe
 Laura Lizbeth Michota, Sylvania
 Julia Marie Mikolajczyk, Toledo
 Christopher James Miller, Milford
 Steven R. Miller, Westerville
 Paul Milsom II, Youngstown
 James Andrew Minnery, Anchorage, AK
 Sharon Marie Minnich, Bay Village
 Patricia Cecelia Miskinis, Worthington
 Braden Kent Moll, Boardman
 Julie Anne Mong, Worthington
 Lisa Marie Montello, Cleveland
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 Scott Lawrence Moore, Strongsville
 Nicholas Gerard Morgione, Youngstown
 Rex Alex Moskovitz, Bexley
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 John Steven Mulholland, Sharon Center
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 Jodi Lynn Nickell, Wheelersburg
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 Jeffrey A. Norris, Zanesville
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 Chong Man Pak, Los Angeles, CA
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 Bernadette Mary Palte, Columbus Grove
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 Julie Ann Parke, West Carrollton
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 Thomas F. Pepe, Montvale, NJ
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 Donna Petrofski, Mansfield
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 Mark Edward Pfeiffer, Kenton
 Jay Evan Phillips, Gahanna
 April Lee Phipps, Vandalia
 Colleen Marie Pinkelman, Maumee
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 Terry L. Pitts, Cleveland
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 Deborah Ann Pribanic, Amherst
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 Gary Benjamin Price, Granville
 Jeffrey Scott Price, Hartsville, SC
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 J. William Pryor, Jr., Barnesville
 David Alan Pugh, Dayton-Centerville
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 Christine Carol Quilling, Celina
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 Allen Franklin Ramey, Marion, IL
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 Patricia Eileen Riege, West Alexandria
 Bernard Joe Rieser, Ashland
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 Thomas Allan Rine, Howard
 Sherri Lynn Rinker, Pendleton, IN
 Terri Ann Rinker, Pendleton, IN
 Barbara Williams Ritchie, Hudson
 Vicky Lynn Roark, Orient
 Robin Lynn Roberts, Kent
 Marco Rodriguez, Brook Park
 Kenneth R. Roe II, Wheelersburg
 Michael Roeper, Lindenhurst, NY
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 Jennifer Tracy Rose, Youngstown
 Jerald Mark Rosenston, Cincinnati

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 Kyp Lodge Ross, Marietta
 Lucia Lenaye Ross, Columbus
 James Rossi, Euclid
 Wendy Susan Roth, Girard
 Kimberly Blair Rothman, Avon Lake
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 Suantar Samsurya, Worthington
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 Jennifer Lynn Shaw, Frazeysburg
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 Gregg Andrew Smith, Newark
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 Rachel Michele Smith, Westlake
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 Tracy Kara Smith, Dublin
 Chee Yong Sng, Thomson, Singapore
 Thomas Hern Snider, Grove City
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 Laura Frances Stock, Middleburg Heights
 Jeffrey Allen Stockdale, East Liverpool
 Andrew Leslie Stone, West Carrollton
 Michele Anita Stubbs, Akron
 Theodore Joseph Stumphauer, Avon
 Dino Sukendro, Jakarta, Indonesia
 Urvi Bakul Sutariya, Columbus
 Joseph Michael Sweeney, Euclid
 Lisa Jean Swineford, Olivesburg
 Farah Shujaudeen Talib, Bombay, India
 Nikolina Taneff, Pickerington
 Robert Gordon Tasney, Columbus
 Dorothy Elizabeth Taylor, Columbus
 Jeffrey Scott Taylor, Bay Village
 Susan Irene Terrill, Ridgeway
 Todd James Tharp, Westerville
 Curtis Keith Thogmartin, Columbus
 Allyson JoAnne Thompson, Albion, NY
 Cindy Ogle Thompson, Newark
 Tod Darrin Thompson, Jewett
 Roxane Renee Threm, Ypsilanti, MI
 Ross Alan Timmons, Marion
 Erman Tjia, Medan, Indonesia
 Erwin Tjia, Medan, Indonesia
 Randolph Joseph Tomasek, Elyria
 Diane Lynn Torski, Mansfield
 David Mario Tortorella, Ravenna
 Gregory Michael Troyan, Westlake
 Dwight David Truax, Woodsfield
 Michael William Tymoszczuk, Parma
 William J. Ubbing, Columbus
 Kimberly Ann Ulm, Lancaster
 Timothy Michael Vaio, San Rafael, CA
 Randall Brown Van Hove, Ashland
 Mary A. Van Kuren, Dublin
 Michael Allen VanPutte, Rochester, NY
 Tery Albert Vari, Youngstown
 Shana Lynne Vazsonyi, Centerville
 Tim Christopher Velky, Stow
 Joseph John Vishey, Chagrin Falls
 John B. Voorhies, Dublin
 Jeffrey Clayton Wade, Cincinnati
 James Lowell Wagner, Lima
 Jeffrey J. Walczak, Toledo
 Janet Marie Waller, Lorain
 Chun Ming Wang, Singapore, Singapore
 Robert Shawn Wanucha, Toledo
 David Charles Ward, Salem
 John H. Ward, Columbus
 James Ralph Weaver, Grand Rapids
 Curtis George Webel, Mansfield
 Gerald Robert Wehrman, Fort Loramie
 Patrick Lee Weisgarber, Massillon
 David Bryan Weiss, Columbus
 Lauren Elizabeth Weiss, Beachwood
 Susan Beth Weissberg, Cleveland
 Christopher Stewart Welch, Worthington
 Ann Elizabeth Wertz, Maumee
 William Andrew Wetta, Columbus
 John Vincent White, Bay Village
 Kenneth George Wichman, Columbus
 Monty Paul Wickerham, Port Clinton
 Kathryn Jean Wilcox, Elyria
 Mark Edward Wilke, Columbus
 Robert N. Wilke, Columbus
 Steven Kirk Williams, Columbus
 Timothy K. Williamson, Cincinnati

Pamela Sue Willis, Canal Winchester
 Curtis Lamar Wilson, Akron
 Kelly Lynn Wilson, Worthington
 Paula Helene Windle, Columbus
 Susan Michelle Winslow, Gahanna
 Judith Lynn Wisbith, Pleasant Plain
 James Martin Wogaman, Worthington
 David Kenneth Wolfe, Akron
 Steven Matthew Wolfe, Columbus
 Thomas John Woods, Basking Ridge, NJ
 Brian Edward Worth, Columbus
 Cheryl Lynn Wyatt, Columbus
 Lay Kuan Yeo, Melaka, Malaysia
 Christine Luce Young, Columbus
 Mark William Young, Decatur, IL
 Robert J. Zadkovich, Richmond Heights
 Michael D. Zawadzki, Williamsville, NY
 Scott Daniel Zehnal, Crystal Lake, IL
 Ronald R. Zeppernick, University Heights
 John Nicholas Zuppas, Wadsworth

College of Dentistry

Dean: William R. Wallace

Doctor of Dental Surgery

Lisa Jo Adornetto, North Canton
 B.A. (Saint Mary's College)

Alexander Dennis Alavanja, Seven Hills
 B.S. (John Carroll University)

Joseph Victor Alvarez, Crown Point, IN
 B.S. (Valparaiso University)

David K. Andrews, Dayton

Benjamin Dean Babcock, Mansfield
 B.S. (Mount Union College)

Brenda Kay Bailey, New Philadelphia
 B.S. (Brigham Young University)

Carolyn Ann Barber, Stow
 B.A. (Case Western Reserve University)

Jeffrey Robert Bartnik, Agawam, MA
 B.A. (American International College)

Joseph David Bedich, Warren
 B.S. (Miami University)

Thomas Mathew Bilski, Strongsville
 B.S. (Baldwin-Wallace College)

Gary Louis Boano, Struthers
 M.S. (Youngstown State University)

Helen Elizabeth Bozok, Columbus
 B.S. (University of Michigan)

Michelle Joyce Brichacek, Garfield
 Heights
 B.S. (Saint Louis University)

Duane Allen Burks, Shelby B.S. (Miami University)	Carl Roger Fleser, Waverly B.S.Pharm.	B.A. (Wittenberg University)
Robert Eric Burns, Mt. Vernon B.A. (Miami University)	David Michael Flint, Williamston, MI B.S. (Michigan State University)	Richard Andrew Kormos, Jr., Chagrin Falls B.A.
Charles Lewis Butts II, Lima B.A. (Miami University)	James Bradley Ford, Findlay B.S.	Derrick Mark Kruger, Shaker Heights B.S.
Clarence Lester Camp, Jr., Detroit, MI B.S. (Wayne State University)	Robin Teresa Ford, Bath B.A. (Miami University)	Kevin Joseph Krupp, Lorain B.S. (Miami University)
Robin Lee Anne Capaldi, Canton M.S. (University of Akron)	Thomas John Frankfurth, Akron B.S. (Washington & Lee University)	Glenn Joseph Kuemerle, Canton B.A. (Case Western Reserve University)
Heather Lynn Childers, Buffalo, NY B.S.	Robert David Garland, Cincinnati	Lan Ngoc Lam-Law, Saigon, Vietnam B.S. (Xavier University)
Daniel John Clark, Paulding B.A. (University of Toledo)	Connie Denise Gawrych, Steubenville B.A. (University of Steubenville)	Melanie Boyd Leak, Dublin B.S. (A & T State University)
Kevin B. Cochran, Mt. Vernon B.S. (Heidelberg College)	Philip Lawrence Gingrich, Gahanna B.S.Pharm.	Richard Scott Mayo, Boardman B.A. (Wittenberg University)
Karen Colleen Conlin, Wilmington, DE M.S. (University of Georgia)	William Joseph Gioiello, Warren B.S. (Youngstown State University)	James Thomas Meiring, Minster B.S. (Bowling Green State University)
Thomas E. Cooke, Plainfield, NJ B.S. (University of Dayton)	William Robert Glockner, Lancaster B.S. (Xavier University)	Daniel Scott Merker, Zanesville B.A. (Miami University)
Janine Kay Cornelius, Cuyahoga Falls	Nancy Elizabeth Gress, Melville, NY B.A. (Hofstra University)	Lairy Wayne Miller, Cincinnati B.S. (University of Cincinnati)
Brian Edward Crock, Pickerington B.A. (Miami University)	Maria Catherine Haas, Akron	Lloyd Ray Miller, Cincinnati B.S.Pharm. (University of Cincinnati)
David Lee Crowe, Kits Hill B.S. (Marshall University)	William Albert Hampton, South Point B.S. (Marshall University)	John T. Moon, Bellefontaine B.A. (Case Western Reserve University)
Thomas William Danford, New Matamoras	Robert Louis Heller, Columbus B.S. (Ohio Wesleyan University)	Todd Evan Nicol, Cuyahoga Falls
Dean Richard Davis, Zanesville	Theresa Deogracias Heringhaus, Seven Hills B.A. (Saint Louis University)	Thomas Arthur Niederhelman, Cincinnati B.S. (University of Cincinnati)
Michael P. DiMauro, Akron B.S.	Gregory Eugene Herkert, Cincinnati B.S. (University of Cincinnati)	Anna Padva, Columbus B.A. (Queens College)
Melody Pritchard Dutton, Akron B.S. (Ohio Northern University)	Todd Andrew Heydinger, Bellefontaine B.A. (Miami University)	Vladimir Aleksandar Petkovic, Parma B.S. (John Carroll University)
Gregory Edward Dykes, Solon B.A. (Miami University)	Gregory Benjamin Iaderosa, Youngstown B.S. (John Carroll University)	Gary Martin Piorkowski, Chandler, AZ B.S.
Mark Stephen Ehrhardt, Medina B.S.Agr.	John Harvey Irvin, Jr., Wintersville B.A. (University of Steubenville)	Steven Elliot Polasky, Plantation, FL A.A. (University of Florida)
Brian David Ehrman, Worthington B.S. (Heidelberg College)	Matthew Stephen Johnson, Painesville B.Ch.E. (Cleveland State University)	Neal John Postel, Middleburg Heights B.S.
Melissa Jane Eicher, Steubenville	John Raymond Keim, Barberton B.S.	John James Ragaji, Barberton B.S.Pharm.
Susan Ferritto, Grafton B.S. (University of Toledo)	Dean James Kiourtsis, Upper Arlington B.S.	D. Drew Rathbun, Vermilion
Mark Steven Fisher, Grove City B.S.	John Joseph Koberlein, Uniontown B.S. (University of Akron)	Gretchen Kay Raymond, Lima B.A. (Miami University)
Donald Brent Fissel, Columbus B.S.Pharm.	Christopher Peter Kondas, Brookville	Ronald L. Roddy, Beaver Creek B.S. (Grace College)

Laura Marie Romito, Ravenna
B.S. Food Sc.

Byron Rossi, Warren
B.A. (Oberlin College)

Richard Allen Ruff, Crooksville
B.S. (Bowling Green State University)

Ernesto Geraldo Sabato, Cincinnati
B.S. (University of Cincinnati)

John R. Sadaghiani, Delaware

Kurt Thomas Scheetz, New Middletown

Jeffrey Ray Schoning, Ravenna
B.S.

Thomas H. Siefker, Kalida
B.S. Bus. Adm.

Marc Harold Silverman, Cincinnati

Marie Ann Simon, North Royalton

Marc Howard Sirkin, Cincinnati
B.S.

Dawne Elisabeth Slabach, Mansfield
B.S.

Douglas Erwin Snouffer, Columbus
B.S.

David Michael Sorboro, Cuyahoga Falls
B.S. (University of Akron)

George Andrew Souris, North Olmsted
B.A. (Miami University)

Douglas Alan Stuckey, Port Clinton
B.A. (Miami University)

Timothy Earl Thetford, Toledo
B.S.

George Lee Trask, Pierpont

Roger Dale Turner, Louisville, KY
B.A. (University of Louisville)

Craig Todd Wakefield, Madeira
B.A. (Indiana University)

Lawrence Thomas Weir, Orrville

Gregory William Welsh, Youngstown
B.S. (University of Dayton)

Jonathan Sebastian White, Steubenville
B.S. (Ohio University)

Eric Schilling Wissler, Chillicothe
B.S.

Kevin Bruce Wright, Columbus
B.A. (Miami University)

Robert Brian Yacko, Youngstown
B.S. (Youngstown State University)

Chung-Cheng Yu, Taipei, Taiwan, R.O.C.
M.S.

Nancy Lynn Zagunis, Garfield Heights

Bachelor of Science in Dental Hygiene

Karen Sue Bray, Salineville
Annette Marie DeFelice, Columbus
Melanie Jonson, Centerville
Laura Christine McMahon, Warren
Kristin Kara Oltz, Champaign, IL
Allison Jeanne Port, Youngstown
Brenda Lea Schneider, Lowell
Marsha Jane Spraggins, Tiffin
Maria Lana Walusis, Dayton
Lisa Marie Williams, Mt. Vernon

Certificate of Graduate Dental Hygienist

Anne Marie Buttress, Columbus
Deborah Lynn Carcione, Mansfield
Mary Katherine Chirumbole, Orrville
Tracy Ann Combs, Middletown
Gina Isabel Espinoza, Los Angeles, CA
Jane Anne Gillespie, Waterford
Cynthia Lee Krebs, Westerville
Kandie Dawn Lambert, Columbus
Darlene Klapkowski Mahilo, Gahanna
Terra Sue Sellman, Kenosha, WI
Amina Abul-Qasim Shahid, Cleveland
Jill Elizabeth Staver, Lima
Karen Sue Tarpoff, Springfield

College of Education

Dean: Donald P. Anderson

Bachelor of Science in Education

Beth Mogul Abraham, Canton
Ann Margaret Alge, Fostoria
Cynthia Gail Alleman, Columbus
Jill Colleen Anderson, Worthington
Tami Jean Appelman, Pickerington
Sonia Joy Arnowitz, Columbus
Paul William Ave, Cincinnati
Carrie Jean Baker, Wintersville
Patricia Rene Baker, Beavercreek
Robin Joy Baker, Orient
Julie Elizabeth Baldini, Worthington
Pamela Kay Barnett, Galion
Robin Lynn Barr, Dublin
Leisa Ann Basiger, Delaware
Timothy Garn Baumberger, Shiloh
Barbara Teotor Beach, Marion
Beverly K. Beal, Bellville
Robert A. Bechtel, Lima

Sharon Lee Beets, Columbus
Mary Katharine Bell, Coshocton
Darlene Marie Berres, Delphos
Jeff L. Berringer, Marion
Tiffany Ann Bice, Lima
Joanne Biggins, Wickliffe
Jana Joan Blamble, Columbus
Phyllis Marie Boggs, Perrysville
Anne Marie Bonacci, Copley
David Scott Bowen, Van Wert
Laura Marie Bower, Columbus
Joan Brannan, Perry
Laura Marie Brechbill, Columbus
Julie Ann Breitgam, Jenera
David Patrick Brink, Columbus
Kristin Diane Brockmann, Cincinnati
Angela Louise Brotton, Dublin
Beth Ann Brown, Bluffton
Veronica Leigh Brown, Mansfield
Mary Louise Brown-Wilson, Delaware
Fredrik Paul Bruhn, Mansfield
Fian Ellen Brum, Powell
Timothy Edward Brumfield, Worthington
Deanna Eileen Brusadin, Worthington
Arthur Dean Bryant, Harrison
Julie Ann Buchanan, Cincinnati
Anne Marie Buttress, Columbus
Anthony D. Butts, Columbus
Matthew Eldon Byerly, Columbus
Rebecca Jane Byrne, Wapakoneta
Christine Sue Canter, Nashport
Deborah Lynn Carcione, Mansfield
Karen Jo Carpenter, Bucyrus
Patricia Gail Cavener, Prospect
Irene Pui-shan Chan, Columbus
Elizabeth Ann Chaney, Westlake
Mary Katherine Chirumbole, Orrville
Christine M. Chorovich, St. Clairsville
Velvet-Dove Chrissan, Lima
Susan Jeanette Chumley, Steubenville
Matthew David Clark, Wooster
Neil Scott Clarridge, Grove City
Sharon Marie Clonch, Fayetteville
Kristin Sue Colby, Dublin
Denise Jayne Cole, Conneaut
George Dempsey Combs, Springfield
Rebecca Ann Comisford, Newark
Brenda Louise Conaway, Worthington
Cathleen Sue Conrad, Columbus
Kimberly Kay Conrad, Lexington
Charles Elisha Conway, Mt. Sterling
Scott Alan Coon, Wadsworth
Hal Wayne Cooper, Columbus
Anthony Paul Corcoran, Niles
Elizabeth Ann Core, Rushsylvania
Holly Anne Cornelius, Avon Lake
Candace Lynn Corroto, Columbus
Marni Lee Crabtree, Celina
Christopher Paul Crosby, Spokane, WA
Linda Lou Cross, Warren
Cris Renee Crum, Marion
Jane K. Cummings, Delphos
Kay Barber Cunningham, Lima
Matthew Hoyt Cygnor, Toledo
Andrea B.C. Dakin, Dayton
Holly E. Schaufler Daniels, Canton
Robert Arthur Daniels, Columbus
Amy Elizabeth Darling, Worthington
Michele Lynette Darling, Warsaw

Cheryl Norris Davis, Worthington
 Julie Ann Davis, Newark
 Kara Michelle Dearth, Bellville
 Jeffrey Scott Decker, Worthington
 David Van Nostrand Dickinson, Dublin
 Michele Denise DiFilippo, Steubenville
 Laurie Lee Dillman, Reynoldsburg
 Janet Sauder Dininger, Mt. Vernon
 Devera Dawn Disterdick, Cardington
 Ann Beth Dolan, Pittsburgh, PA
 Shadyne Chapman Dotson, Pataskala
 Thomas William Doyle, Marion
 Nancy Michelle Dragan, Chesterland
 Mary Margaret Drake, Circleville
 Julie Lee Drebus, Kirtland
 James Swinton Dulaney, Columbus
 Kathleen Sue Durkin, Akron
 Robert Alan Durrett, Columbus
 Patricia Joan Eaton, Amlin
 Teresa Jo Eckert, Cincinnati
 Christine Randolph Eddy, Waldo
 Anita Marie Elgin, Columbus
 Karen Sue Ellis, Mansfield
 Elizabeth Hope Ellis, Timonium, MD
 Richelle Lee Engel, Cincinnati
 Mike Scott England, Lima
 Marsha Kay Erickson, Delaware
 Beth Anne Erter, Kenton
 Amy Jo Estey, Troy
 Michele Denise Evans, Uniontown
 Lynn Mitchell Exline, Dublin
 Constance Elaine Fair, Sidney
 Carol-Lyn Falanga, Wadsworth
 Robert Eric Farnwald, Doylestown
 David John Fink, Plain City
 Janet Sue Fink, Mt. Blanchard
 Lisa Kay Finney, Woodsfield
 Lori Ann Finney, Woodsfield
 Beth Huddleston Fisher, Gahanna
 Sara Beth Fisher, Columbus
 Jill Annette Fockler, North Canton
 Lisa Sue Ford, Harrod
 Connie Lee Fornash, Savannah
 Christine Ann Fox, Worthington
 Cindy Patterson Fox, Columbus
 Laura Ann Francis, West Jefferson
 Tracy Lyn Frankart, Bloomville
 Beth Ellen Froning, Sidney
 Deborah Murnane Funk, Columbus
 Kelly Sue Gabriel, Worthington
 Renee Lynn Gales, Brunswick
 Teresa Marie Gibson, Westerville
 Denise Ellen Giesecke, Columbus
 Chris Ellen Gilmore, Columbus
 Linda Anastasia Goehner, Columbus
 Shannon Cory Gonzales, Powell
 Sherril B. Goodline, New Washington
 Kimberly DeLynne Goodwin, Newark
 Gaybrielle Elaine Gordon, Columbus
 Pamela Jean Graber, Plain City
 Kerry Shannon Graham, Whitehall
 Douglas Joseph Green, Caledonia
 Julie Ellen Greene, Lima
 Margaret Elanore Greer, Chillicothe
 Mary-Ellen Greer, Cincinnati
 John Basil Grena, Bexley
 Steve Michael Gresock, Youngstown
 Jean Louise Griffith, Lakewood
 Patricia Gail Griffiths, Shelby

Debra Badertscher Grumblis, Wapakoneta
 Michelle Rene Hall, Columbus
 Jean A. Hamel, Ottawa
 Elizabeth Anne Harbaugh, Lancaster
 Mary Beth Hart, Fremont
 Holly Anne Hartman, Hebron
 Bette Jean Hartschuh, Sycamore
 Marcia Sue Hayes, Columbus
 Debra E. Heffner, Dublin
 William Patrick Heinmiller, Columbus
 Lisa Jo Heiser, Columbus
 Mary Ann Henderson, Stow
 Jilaine Marie Henley, Gahanna
 Jo Ellen Hensel, Upper Sandusky
 Serena Fay Hersh, Cleveland
 Brian Keith Hessey, Nevada
 Steven Thomas Hipes, Columbus
 Jessie Raymond Hite, Jr., Lockbourne
 Jill Marie Hitt, Worthington
 Melani Anne Hobbs, Toledo
 Jeffrey Ross Hodges, Bellaire
 Valerie Ann Hoenie, West Jefferson
 Allen James Hofmeister, Worthington
 Judith Bond Holton, Hebron
 Hillary Karin Hook, Brecksville
 Clifford L. G. Hooks, Columbus
 Marcia Doreen Horn, Fairfield
 Dawn Mischell Hornikel, Newton Falls
 Robert C. Horrocks, Sr., New Carlisle
 Alan Arthur Hostettler, Tiffin
 Elizabeth Anne Houchens, Cincinnati
 Jane Elizabeth Houston, Akron
 Maria Yvette Hovanic, Salem
 Matthew Lloyd Hower, Worthington
 Peggy Lynn Hubschman, Mt. Gilead
 Valene Barber Huels, Gahanna
 Paul Thomas Huffman, Newark
 Karen Marie Hughes, Bexley
 Lauren E. Hunter, Pepper Pike
 Kathryn Jo Hurley, Ironton
 Sharyl Alyse Hurt, West Jefferson
 Kathy J. Hutchison, Dublin
 Karen Ann Hyde, Branford
 Kerri Anne Imes, Pataskala
 Melissa Kay Indorf, Dalton
 Joyce Elaine Ingold, Mansfield
 Amy Sue Jackson, Tipp City
 Deborah Sue James, Dunkirk
 Carla Ann Jennings, Lima
 Catherine Lynn Johnson, Circleville
 Claudette Johnson, Columbus
 Vicki Lee Johnson, Coshocton
 Annette Gail Josen, Sandusky
 Josephine Joan Joseph, Canton
 Scott Donald Julien, Columbus
 Virginia Rohrer Kaiser, Poland
 Susan Jane Kaliszewski, Avon Lake
 Barry Ralph Kanner, Hilliard
 Samuel Israel Kanter, Columbus
 Kathleen Elizabeth Keane, Bay Village
 Mary Karen Keber, Van Wert
 Katherine M. Kegelmeyer, Marion
 Scott Richard Keithline, Coshocton
 Laurie Lynn Kelley, Canton
 Michelle H. Kemp, Mansfield
 Mary Richmond Kennedy, Columbus
 Joanna Jean Kerth, Cincinnati
 Ioanna Lynn King, Panama City, FL
 Tammy Jean Krihan, Fostoria

Desma Denice Klopfenstein, Haviland
 Melinda Elizabeth Knouse, Westerville
 Catherine Marie Knox, Columbus
 Dinah Catherine Kohne, Gahanna
 Karen Noel Krautz, Wichita Falls, TX
 Cynthia Lee Krebs, Westerville
 Jeffrey Alan Krol, Martins Ferry
 Carl Richard Krueger, Wooster
 Karen Louise Krupa, Columbus
 Kandie Dawn Lambert, Columbus
 Sarah Lynn Lambert, West Farmington
 Cynthia Vangas Lancaster, Fort
 Lauderdale, FL
 Penny Sue Lang, Portsmouth
 Douglas Andrew Lapp, Coshocton
 Janie Lynn Lauver, Westerville
 Timothy Allen Lawrence, Westerville
 Douglas Michael Leatherman, Rittman
 Diane Marie Lehmkuhl, Bellevue
 Susan K. D. Leonhart, Columbus
 Jacqueline Sue Lepley, Bellevue
 Victoria Ann Lindsey, Columbus
 Kimberly Jean Line, Columbus
 Rosa Lion, Santiago, Dominican Republic
 Susan Alane Long, Shadyside
 Tracy Lynn Longacre, Fostoria
 Derrick Lovelace, Cleveland Heights
 Betty J. Lukz, Columbus
 Kimberly Ann Mackey, Kettering
 Kristen Marie Magers, Attica
 Deborah Maize, Columbus
 Leslie Jane Marlin, Columbus
 Daniel L. Martin, Johnstown
 Jacqueline Yvette Martin, Delphos
 Eric Lee Mason, Lima
 Laura Leslie Mathews, Heath
 Christopher John Matlock, Mayfield
 Heights
 Jane E. Matrunick, Ashley
 James Jude Maxwell, Marion
 Peggy Maureen McBride, New Concord
 Lauren Kay McCann, Fairfield
 Colleen Marie McCarthy, Canton
 Kathy Lynn McDermott, Worthington
 Kelly Ann McGreal, Garfield Heights
 Ronda Sue McIntyre, High Point, NC
 Brenda Kay McMullen, Jacksonstown
 Mariana Amy McNamée,
 Parkersburg, WV
 Kathy Lynn McNelly, Arcanum
 Chad Eric Meddles, Marysville
 Cathy Lynn Mee, West Jefferson
 Aron Jon Mettes, Toledo
 Layne Louise Meyer, Sidney
 Kerin Allison Middleton, Kenton
 Stacie Jo Miller, Toledo
 Darrell Paul Minor, Uhrichsville
 Marjorie Christine Miranda, Westerville
 Laura Kathryn Mohr, Sylvania
 Kathleen Marie Molloy, Port Clinton
 Jacy Ann Montgomery, Columbus
 Stacey Sue Montgomery, Shadyside
 Deborah Jo Moore, Newark
 Jacqueline Sue Moore, Columbus
 Shannon Leslie Moore, New Albany
 Barbara Ann Morgan, Columbus
 Mary Martha Morgan, Columbus
 Julie Ann Morrison, Upper Sandusky
 Jeffrey Alan Muehlfeld, Dublin

Chrystal Renee Mullins, Grove City
 Emma L. Myers, Pataskala
 Julie Ann Natelson, Edison
 Bonita Denise Nauman, Marengo
 Donna Lavon Neal, Grove City
 Cynthia Anne Ness, Circleville
 Kristi Noell Neuman, Fridley, MN
 Amy Lou Nickel, Hudson
 Christine Ann Nielsen, Alliance
 Mary Alice Niese, Lima
 Carolyn Sue Noland, Marysville
 Pamela Marie Noreault, Malone
 Ann Marie Northrup, Toledo
 Stephen Guillerrey Norton, Westerville
 James Patrick Nye, South Euclid
 Mercedes Maria Olivera, Canton
 Sabra Lynn O'Neal, Mansfield
 Beth Anne O'Rourke, Fairlawn
 Tamari Lynn Overholser, Springfield
 Susan Adelle Owens, Columbus
 Michael Allan Pancake, Convoy
 Tracy Jean Parker, Avon Lake
 Stephen Anthony Parrill, Springfield
 Deborah Kay Patrick, Ashland
 Deborah Lynne Patterson, Cleveland Heights
 Teresa Ann Peddemors, Clarkston, MI
 Michael David Penn, Westerville
 Rhonda Sue Peters, Lockbourne
 Scott Geoffrey Peters, Beachwood
 Carolyn Jean Pettit, Galloway
 Hope Elaine Piper, Johnstown
 Melanie Ann Place, Columbus
 Jane Ellen Plouge, Worthington
 Diane Sue Pollock, Findlay
 Michael Joseph Pottmeyer, Granville
 Marshall Curtis Pratt, Rockford
 Loria Ann Pryor, Columbus
 Jane Katherine Puleo, Novelty
 Laura Elizabeth Randa, Wilmington
 Kerri Kay Reading, Whitehall
 Donita Renee Reese, Jackson Center
 Janean Allison Rempe, St. Mary's
 Judy Ann Renemans, Danville
 Tracy Lee Richards, Westerville
 Kathy Lynn Richardson, Cridersville
 Connee Mae Ricketts, Centerville
 Marsha Marie Rickly, Valley City
 Julie Ann Riegler, Enon
 Dominica Ann Rigby, Painesville
 Mark Daniel Ritzenhaler, Columbus
 Mary Lou Roberts, Pataskala
 Lisa Marie Roelke, Hincley
 Katy Lu Romp, Vermilion
 Zoraba Q Ross, Marion
 Kevin Gene Rutter, Elida
 Lila Sabella, Canton
 Stacey Marie Sams, Dayton
 Ronda Sue Sarver, Richwood
 Carolyn Anne Scarry, Columbus
 Suzanne Sicksel Schaefer, Delphos
 Susan Marie Schafer, Lima
 Catherine Ann Schilling, Newark
 Karl Richard Schrag, Defiance
 Elizabeth Ann Schultz, Grove City
 Renee Christine Scott, Bellefontaine
 Marci Ann Seaman, Beachwood
 B. Craig Shank, Springfield
 Kristine Kay Shepler, Beaumont, TX

Jill Susan Shleier, Dayton
 Marci Sloane Shmarak, Worthington
 Amy Kathleen Sievert, North Canton
 Nancy V. Singer, Westerville
 Tonya Sue Skinner, Thornville
 Dawn Slack, Columbus
 Sandra Kay Slane, Mansfield
 Rita Carol Slone, Lucasville
 Vicki Lynn Snider, Pleasant Plain
 Gregory Richard Snow, Lima
 Kara Lynn Snyder, Wapakoneta
 Elizabeth Ann Solt, Arlington
 Kathleen E. Squires, Westerville
 Gary R. Stillman, Columbus
 Cheryl Diane Stitt, Crown City
 Kevin Scott Stone, Galion
 Denise Wynn Studer, Poik
 Susan Marie Stump, Kettering
 Mary Beth Sullivan, Portsmouth
 Peter James Summers, Zanesville
 Scott Andrew Sweet, West Jefferson
 Melanie Kay Tarbutton, Heath
 Delia Rae Tarris, Columbus
 Kathie Sue Thatcher, Lima
 Michelle Elaine Thomas, Westerville
 Thomas Reese Thomas, Lima
 Patrick Gerard Thompson, Lima
 Lucas Leroy Todd, Mansfield
 Stephanie Kathleen Tompkins, Delaware
 Tiffany Diane Toombs, Mansfield
 Sandra Lou Treadway, Delaware
 Eva Christine Turley, Upper Sandusky
 Marcelle Leigh Vitti, Hingham, MA
 Elizabeth Ann Walker, Westerville
 Erika Therese Walker, Columbus
 Stephanie Smith Warmke, Columbus
 Kimberly Kaye Warner, Reynoldsburg
 Richard Alan Warren, Hilliard
 David Michael Watros, Warren
 Julie K. Watson, Springfield
 Darin Christopher Waugh, Columbus
 Beth Ann Weaver, Newark
 Wendy Elizabeth Webb, Columbus
 Melissa Margaret Weber, Pickerington
 Eileen Marie Weidner, Columbus
 Marsha Sue Weikel, Fredericktown
 Jeffrey Lee Weisner, Holland
 Susan Marie Weiss, Columbus
 Gretchen Kay Weller, Columbus
 Timothy Gerard Wenning, Yorkshire
 Theresa Maria Whalen, Dayton
 Bonita Lee White, Bexley
 Julia Marie Wiant, West Liberty
 Jerry Kevin Wieman, Mt. Carmel
 Patricia Louise Wilms, Bedford
 Pamela Sue Wilson, Plain City
 Donna Leigh Winkler, Columbus
 Susan Renee Winter, Columbus
 Bruce William Winters, Mansfield
 Brian Jon Wischmeyer, Ottawa
 Dana Marie Wright, Hilliard
 Blyth Marie Wurth, Columbus Grove
 Fumi Yokota, Ichihara-shi, Japan
 Christine Elizabeth Young, Columbus
 Christine Anne Zawadowski, Saginaw, MI
 Sarah Ellen Zeisler, Marion

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 the College of the Arts.

College of Engineering

Dean: Donald D. Glower

Bachelor of Science in Aeronautical and Astronautical Engineering

David Adamczak, Lakewood
 Rother M. Alda, Columbus
 Cynthia Karin Alexander, Anchorage, AK
 David Alan Ault, Mansfield
 Saulius J. Bankaitis, Fairview Park
 Bradley Charles Basile, Youngstown
 James Patrick Batka, Beavercreek
 Donald Lee Blair, Jr., St. Clairsville
 Bradley John Brinzo, Strongsville
 Helen Claire Brown, Strongsville
 Edward Albert Burrows, Bohemia, NY
 Gene Colin Campbell, Columbus
 Ronnie Salta Catipon, Columbus
 Ronald Allen Clark, Las Vegas, NV
 David Philip Conser, Youngstown
 Elia John Diamessis, Youngstown
 Leslie Arlyn Doud, Palos Verdes, CA
 Mark Joseph Due, Sylvania
 Carol Elaine Elbert, Mansfield
 Robert Michael Gabel, Tiffin
 Robert Keith Goldberg, Berea
 Thomas Wesley Greenman, Willingboro, NJ
 Dale Anthony Gregan, Brunswick
 David Charles Gross, Cambridge
 Timothy Scott Harless, Riverton, WY
 Scott Michael Herzog, Cincinnati
 Bradford Eugene Houser, Sundial, PA
 Wesley William Jackson, Columbus
 Glenn V. Johansen, Millbury
 Sharolee Ann Kepler, Edgerton
 Bruce G. Kline, Tallmadge
 Paul R. Kronz, North Olmsted
 Ruth Evelyn Kucheravy, New Albany
 Steven Waid Lingenfleter, Warren
 David Roger Lollini, Belmont
 William Henry Marvin, Lindenhorst, NY
 David Charles Meyer, Cincinnati
 Kirk Allen Montgomery, Hartsville
 Patrick Robert Mullen, Cleveland
 Christopher Allen Nelson, Youngwood, PA
 Glenn Herbert Nichols, Cincinnati
 William Usilton Notardonato, Westlake
 James Patrick O'Donnell, Lakewood
 David Lloyd Perry, Wooster
 John Brady Phillips, Columbus
 Anthony Joseph Pucciarella, Baltimore, MD
 Terry Alan Richards, Zanesville
 Jeff E. Roan, Bryan
 Jeffery John Ruplinger, Campbellsport, WI
 William Steven Schreiner, Lakewood

David Vincent Schuehler, Cincinnati
Martin Lee Smith, Beaver creek
Stephen Kenneth Smith, Columbus
George Chris Soulas, Columbus
Richard Edwin Stanton, Columbus
Boris Frederic Streun, Upper Arlington
Ronald Sylva, Cincinnati
Janet Sue Teets, Marysville
Christopher John Tomko, Cortland
Michael Rutgert Van der Veer, Sylvania
Rafael Villalba, Jr., Cherry Hill, NJ
Philip Stephen Weissman, Cincinnati
John Phillip Wojno, Akron
Jon Andrew Yenko, Lakewood

Bachelor of Science in Agricultural Engineering

Dale Norman Clapsaddle, East Liberty
Darrin John Drollingier, Medina
Michael Lynn Marteney, Carrollton
Charles Wayne Schalk, Avon
Daniel William Whited, Whitehall
Paul Joseph Yaufman, Ottawa

Bachelor of Science in Aviation

Rother M. Aida, Columbus
Shawn Miller Bakies, Carey
Michael Richard Bray, Beaver creek
William Thomas Claypoole, Groveport
Charles Andrew Fineran, Zanesville
Raymond Arthur Heasley, Columbus
Wayne Steven Heiler, Hamburg, NY
Kevin Bruce Hillman, Warren
Kent Edward Koch, Alma, MI
Mark Allen Kuttrus, Canton
Kristopher Haakon Lee, Cuyahoga Falls
James Edward Maurer, Columbus
Thomas Francis Mullen, Warren
Joseph Charles Pierson, Broadview Heights
Albert Harold Wessbecher, Brecksville
Timothy Charles Williams, Granville
Terry Gerard Zavilla, Chicora, PA

Bachelor of Science in Ceramic Engineering

Charles Walter Alt, Marietta
David Lawrence Boback, Cincinnati
Janine Luise Braun, Beaver creek
Stephen David Chericco, Clarion, PA
Louis John Colarusso, Solon
Joey Michael Corpus, Columbus
Robert Colonel Dilmore, Wadsworth
Donna Sue Finke, Dublin
Scott Davis Furlong, Mt. Prospect, IL
Rhonda Lou Gatzke, Circleville
James Morgan Gray, Chesterland
Joseph Arthur Heisler, Jr., Jr., Orient
Mark Allen Taylor, North Olmsted
Amy Monica Trapp, Gahanna

Bachelor of Science in Chemical Engineering

Talivaldis Viesturs Berzins, Dublin
David Adam Boerner, Columbus
John Andrew Bohlmann, Columbus
Annette Laraine Brough, Newark
Jonathan J. Calderas, Warren
Julia Marie Courts, Monroe
David Earl Davis, Toledo
Eric Scott DelliGatti, Gahanna
Cathy Ann Finafrock, Bellbrook
Josef Anton Franz, West Salem
Paula Rene Fulk, Bellevue
Mary Alison Grady, Newark
Mark Richard Kinkelaar, Dublin
Steven Ronald Lang, Westlake
David Wayne Miller, Grove City
Dianne Marie Monnin, Fairfield
Heidi Mae Oesch, Shelby
Kimberly Lynn Oney, Londonderry
David J. Parker, Newark
Todd Kevin Pencarinha, Grove City
Amy E. Schmitt, Uniontown
Marshall Lee VanDeWalle, Williamson, NY
Ronald Baylon Villanueva, Parma Heights
Susanne Terese Woodlan, Painesville

Civil Engineer

Muhammad Tahir, Columbus

Bachelor of Science in Civil Engineering

Tareq Rafiq Abed, Kuwait, Kuwait
Richard Alan Archer, Columbus
Susan Kay Brittain Banbury, Worthington
Raymond G. Beer, Columbus
Mark Belloni, Brewster
Jeffrey Allen Blair, St. Clairsville
William Coleman Blank, Columbus
Mark Joseph Bonifas, Columbus
Theodore Anthony Brown, Huntington, WV
Gregory Charles Butcher, Sandusky
Kenneth Paul Celec, Arlington, VA
Christopher Robert Clevely, Narvon, PA
Todd Matthew Day, Reynoldsburg
Warren Mark Dowling, Angola, NY
Russell Eugene Etheridge, Jr., West Chester
Mark Samuel Evans, Cleveland Heights
Bryan Carl Foes, Fremont
Valerie Jean Frank, Murrysville, PA
Edward Joseph Gebhart, Newark
Louis Raymond Gibb, Columbus
Kevin Joseph Grathwol, Sandusky
Miles Frederick Hebert, Caribou, ME
Benjamin Henry, Columbus
John Matthew Hodapp, Dayton
Ethan Tyler James, Celina
Ibrahim Farid Kandalaft, Damascus, Syria
Scott Andrew Kerber, Sidney
Riadh Koubaa, Sfax-Gafsa, Tunisia
Jeffrey Ray Larkin, Cincinnati

Mark Douglas Laymon, Columbus
Matthew Brian Letson, Sylvania
Shu Yin Lim, Tawau, Sabah, Malaysia
Chin Wah Low, Kuala Lumpur, Malaysia
Rosnani Maarof, Melaka, Malaysia
Russell Eldon Mapel, Coshocton
Cynthia Ann Martindale, Reynoldsburg
James Edward McGrath, Hudson
Kok Seng Ngui, Kuala Kubu Bharu, Malaysia
Keith Frank Papay, Amherst
Teresa Ann Petrick, Columbus
Craig Steven Riedel, Attica
William Corcoran Roach, Columbus
Sandra Rudd, Akron
Salah Kayed Said, Beirut, Lebanon
Timothy J. Savercool, Apalachin, NY
Daniel William Schoeter, Cincinnati
Teck Chye Seah, Klang, Malaysia
Jack D. Wallick, Columbus

Bachelor of Science in Computer and Information Science

Elias Adib Abboud, Beirut, Lebanon
Benededa Evelyn Allen, Columbus
Jusuf Anwar, Bandung, Indonesia
Jae Min Bae, Columbus
Nanthini Balakrishnan, Colombo, Sri Lanka
James Gerard Bednar, Youngstown
Garry Lee Brannon, Centerville
Mark Patrick Brucoli, Canfield
Moez Chaabouni, Sfax, Tunisia
Bruce Edward Chapa, Columbus
Thomas Albert Daniels, Brecksville
Forrest Todd Doan, Lithopolis
David Allen Dues, St. Marys
Eric Dean Dulaney, Willoughby Hills
David Alan Eaton, Galena
Howard James Eberhart, Brunswick
Jonathan Ross Fausey, Columbus
Bedwan Issa Gammoh, Amman, Jordan
David Allen Greer, Mansfield
Bruce Edward Griffin, Columbiana
Jack Wade Griffith, Lima
James M. Grywalski, Summerfield
Roger Grywalski, Byesville
Pankaj Gupta, New Delhi, India
Jennifer Ann Havens, Worthington
Mahmood Karbasi-Amel, Esfahan, Iran
Steven Daniel Kirner, Sandusky
Mark Allan Koenig, Strongsville
Timothy Jon Krieg, Columbus
Wen-Min Lee Kuan, Nantour, Taiwan, R.O.C.
Nicola Labate, Fairview Park
Catherine Clara Lander, Kettering
Robert Joseph Leugers, Cincinnati
Pui-Hung Roderick Leung, Hong Kong
Gary Ernest March, Parma
Victor Linn Mollett, Laurelville
Stephanie Ruth Morris, Cleveland Heights
Candice Lynn Music, Marion
Yeong-Cheol Oh, Seoul, Korea
Tanya Sofia Pittel, Columbus
Branson Reed Rutherford II, Carroll

Elaine Mae Sabio, Gates Mills
Robert Wayne Schott, Marietta
Scott Raymond Seely, Poland
John Ebin Simpson, Jr., New Boston
Douglas Scot Slattery, Batavia
Kevin Dennis Sorg, Findlay
Chin Koon Tan, Penang, Malaysia
James Richard Vaigl, Jr., Galloway
Daniel Brian Waylonis, Columbus
Grace H.P. Wen, New York, NY
Ka Cheong Yu, Columbus

Electrical Engineer

Masoud Rafiee, Dublin

Bachelor of Science in Electrical Engineering

Kenneth Christopher Adkins, West Chester
Saul Eugene Allen, Jr., Lima
Eric Clement Aronson, Bay Village
Paul Calvin Austin, Columbus
Deepak Kumar Bhatia, West Chester
Nabeel Bitar, Damascus, Syria
James Anthony Bizily, Eastlake
Michael Joseph Bloom, Louisville, KY
Mark Eugene Bosh, Marion
Robert David Bower, Jr., Galena
Nancy Lee Brower, Monroe
Craig Robert Brown, Elyria
Jeffrey John Bruns, East Stroudsburg, PA
Kastro Budiman, Jakarta, Indonesia
Daniel Joseph Butzer, Pickerington
David Edwin Champagne, Kettering
Pak-Kin Andrew Chau, Toronto, Canada
William Yu-Wei Chen, Columbus
Donald Scott Coffey, Avon Lake
Ben Burris Creighton, Columbus
John Fredrick Crooks, Medina
Theodore Charles Davis, Toledo
Daniel Louis DeCarlo, Fairborn
Steven John Decker, Worthington
Inderpal Singh Dhillon, Cleveland
Ann Christine Douglas, Pleasant City
Michael Allen Ecker, Fostoria
Thomas George Edwards, Xenia
Scott William Eggleston, Chesterland
Thomas Erich Eisenloffel, Mansfield
Ralph Lane Ely, Elyria
Raymond Francis Emmett, Mt. Blanchard
Donald Anthony Fatica, Mayfield Heights
Robert Eric Finicle, Bay Village
Scott William Fisher, Worthington
Amanda Susan Francus, Watertown, NY
Mark Alan Gerding, Kalida
Mohamad Hussein Ghie, Tripoli, Lebanon
Samuel Kelley Hammel, Pataskala
Kourosh Harandi, Tehran, Iran
Kent Evan Helfrich, Youngstown
Jeffrey Charles Henley, Bay Village
Carole Lee Hindman, Strongsville
Marcie Lynne Hodory, Cincinnati
Daniel Bruce Holton, Elyria
Catherine Marie Hopkins, Beavercreek
Morgan Eliot Jackson, Lancaster

Jeffrey Edward Janosek, Northfield
James Bradley Jenkins, San Antonio, TX
Romer Daniel Johnson, Orem, UT
Shahid Maqbool Kabli, Lahore, Pakistan
James John Klocinski, Toledo
John Paul Kralik, Columbus
Kevin Michael Kushmaul, Columbus
Mark Brian Lansman, Dayton
Robin David Latham, Fairfield
Kim Owen Leimbach, Lima
James Michael Light, Greenville
Nien Fang Lin, Taipei, Taiwan, R.O.C.
Jack Chee Sheng Loh, Singapore
Randall Joseph Majerczak, Seven Hills
Stephen John McCracken, Worthington
Michael Patrick McManus, Cincinnati
Sukumar D. Menon, Chardon
David Robert Meyer, Lima
Renee Louise Miller, Batavia
Daniel John Morelli, Warren
Dennis Anthony Mullahy, Findlay
Claudia Elisabeth Muller, San Antonio, TX
Steven Wayne Myers, South Charleston
Koji Nagai, Gahanna
Timothy Alan Nissen, Curtice
James Joseph Norton, Cleveland
Michael Patrick O'Hara, Akron
Karen Elizabeth Peters, Columbus
Scott Edward Peters, Tallmadge
David Charles Petrik, Cincinnati
Brian Alan Porter, Elyria
James Christopher Raeburn, Akron
Hafedh Rahali, Tunis, Tunisia
Carey Norman Rakich, North Canton
Alejandro Julio Recabarren, Argentina
David Michael Rhoad, Norwalk
Rami Michel Saba, Damascus, Syria
David Steven Sarisky, Youngstown
Suzanne Elizabeth Savage, Blanchester
Peter Thomas Schimmoller, Ottawa
Mark Paul Schnaible, Warren
Steven Eric Schupbach, Columbus
Troy Allan Seman, Strongsville
Patricia Ellen Shine, Warren
Edward Brian Shrock, Westerville
Scott Joseph Sliter, Maple Heights
Jeffrey Warren Smith, Columbus
Raymond Michael Spoutz, Huber Heights
Alan Eugene Steinke, Wapakoneta
Stacey Ann Stipkovich, North Canton
Stephen Michael Strom, North Olmsted
Mark Anthony Thomas, Eastlake
Clifton Todd Valley, Columbus
Natalie Ann Wakulchik, Shadyside
Mark Frederick Wolff, Niceville, FL
David Brian Zehala, Galena

Bachelor of Science in Engineering Physics

Thomas Andrew Bott, Columbus
James Edward Diederich, Painesville
James Michael Lee, Rossford
Ann Marie Mescher, Anna
Keith Allen Najmowski, Columbus
Hung Huu Nguyen, Columbus

Humberto Nawer Nunes, Curaçao, Netherland Antilles
Genaro Perez, La Paz, Bolivia
Eric Robert Ulm, North Canton
Thomas Michael Weiland, Bellevue

Bachelor of Science in Industrial and Systems Engineering

Darin Corbin Beach, Cincinnati
Erik Lee Bertelsen, Chesterfield
Michael William Bush, Pickerington
John Joseph Clifford, Columbus
James David Coup, Westlake
Charles Glenn Covert, Columbus
Biron Scot Crusenberry, Dayton
James Francis Curran, Enterprise, AL
Teresa Mae Dombkowski, Oregon
Kathryn Ann Dues, Minster
Michael Timothy Elter, Columbus
Sue Ann Ferguson, Mt. Vernon
Todd Brian Fisher, Pickerington
Michael Joseph Gaber, Columbus
David George Hochman, Columbus
Monica Diane Hudek, Warren
Devon Prester Johnson, Lakewood
Pamela Lynn Jones, North Canton
Poh-Yian Koh, Singapore
John Edmund Koleszar, Woodbridge, VA
Nancy Suzanne Kovach, Avon Lake
Michele Inge Kriegelstein, Cincinnati
Gregory Dane Lynd, Annandale, VA
Christopher Stoli Mahne, Painesville
Michael Thomas Malone, Cincinnati
Phillip James Marn, Dayton
Raquel Maria Maymir, Cincinnati
Julianne Meder, Phoenix, AZ
Thomas Lee Michalski, Mansfield
Scott Lee Miller, Huber Heights
Leonard Edward Murphy, Lorain
Timothy Alan Murphy, Xenia
Michael Edward Nagy, Westlake
Bradley Kenneth Ness, Circleville
Leslie Rae Orvos, Uniontown
Ronny Michael Paelicke, Solon
Parimal Bachubhai Patel, Mentor
Aaron H. Peery, Worthington
Jeffrey Alan Peterson, Cincinnati
Kathy Ann Prazer, North Canton
Steven Lawrence Seldowitz, Rochester, NY
Dennis Joe Shank, Attica
John Edward Spatak, Warren
R. Todd Strickland, Bucyrus
Susan Coryn Summers, McConnelsville
John Pfeiffer Sweeney, Lima
David Michael Tersigni, Greensburg
Carol Lyn Trierweiler, Wooster
Patrick Gerard Urwin, Independence
Carolyn Yin-Ching Wang, Worthington
John Paul Weigman, Avon
Mark Edward Wenzel, Mentor
James Earl Williams, Dayton
Robert Fred Zahn, Mansfield
Renee Marie Zelis, Strongsville

Bachelor of Science in Mechanical Engineering

John Brooks Alford, Minford
Timothy Darryl Angell, Uniontown
Steven Michael Auvil, East Sparta
Frank Adam Barhorst, Fort Loramie
Scott Zerke Barnes, Paulding
Patrick Brian Baumle, Payne
Steven Alan Borrer, Columbus
Kyle Edward Broeker, Toledo
James Kenneth Brown, Coshocton
Ernest Ford Caldwell II, Marietta
Mark Ralph Carifa, Columbus
Paul Joseph DeChant, Avon
Andrew J. Eckler, Sardis
John Timothy Foreman, Blacksburg, VA
William John Fosnight, Akron
Daniel Patrick Fradl, Dayton
Kenneth Thomas Fricker, Powell
Karen Marlene Geil, Vermilion
Geoffrey Lawrence Gordon, Olmsted Falls
Martin Joseph Hindel, North Olmsted
Thomas Eaton Hunt, Cincinnati
Dung Tien Huynh, Dayton
Donald Dean Johnson, Reynoldsburg
Thomas Ray Johnson, Pickerington
Charles Gerard Kemper, Coldwater
Frederick Gordon King, Akron
Paul Robert Kula, Columbus
Kenneth Austin Lantz, Wayne, PA
Keith Harold Leimbach, Norwalk
Matthew Jon Lis, North Olmsted
Eugene Yu-Jen Liu, Worthington
Edward David Malone, Worthington
Anthony Wayne McCleery, Columbus
James Lawrence McGarvey, Dayton
David John McNally, Lower Burrell, PA
John Wood Munro, Bay Village
Cynthia Ann Murray, Kenton
George Nick Nicoloulas, Athens, Greece
Clay Logan Niemeyer, Toledo
Julie Ann Olberding, Cincinnati
James Francis Patton, Columbus
Donald Kenneth Perry, Cincinnati
Scott Frederick Popelar, Worthington
Jeffrey Michael Pratt, Wooster
Michael Eugene Purcell, Cridersville
Michael Stephen Rinn, Centerville
Robert Steven Shea, Newark
Steven Edward Shekut, Westlake
Charles H. Simmons, Jr., Huntington, NY
James Louis Tarolli, Rocky River
David Thomas Tyler, Columbus
Lawrence Leo Vietmeier, Lisbon
Colin Todd Williams, Amelia
Dale L Wynkoop, Findlay

Bachelor of Science in Metallurgical Engineering

Joyce Elizabeth Braun, Beavercreek
Jane Marie Brown, Columbus
Toni Margaret DiGeronimo, Worthington
Joseph Anthony Eramo, Columbus
Robert Walter Gairing, Wadsworth
Elizabeth Anne Kercsmar, Middletown
John Carl Kujanek, Berea

Richard James Morris, Wheaton, IL
Christine Marie Rankin, Uniontown
Dale Scott Reed, Fairfield
Timothy Lee Schorr, LaRue
David Alan Shepard, Middletown
John James Socrates, Cincinnati
Glenn Michael Steed, Napoleon
Roger Cheong-Ling Tai, Hong Kong

Bachelor of Science in Surveying

Michael Lewis Keller, Willard
Chee Wan Ong, Tangkak, Malaysia

Bachelor of Science in Welding Engineering

David Henry Abbott, Upper Arlington
Robert Joseph Abfall, Orwell
Bart Lawrence Anthony, Wapakoneta
Anthony Steven Antinone, Mingo Junction
Daniel Eugene Applegate, Columbus
Alain Serge Artayet, Oswego, NY
John Paul Bechie, Jr., Chillicothe
Victor Thomas Bell, Columbus
Thomas John Bruno, Carbondale, PA
Douglas Eric Carter, Thornville
Kapyoung Choi, Hubbard
Patrick Timothy Collins, Bedford
Mark Edward Emerine, Fostoria
Brian Thomas Finnigan, Indianapolis, IN
Paul Anthony Fortunato, Mentor
David Lawrence Gantt, Jr., Kettering
Mark Steven Goodman, Mayfield Heights
John Frank Guzzo, Columbus
Todd William Hiltibran, West Liberty
Aaron Andrew Holander, Highland Park, IL
Robert Carl Hovan, Strongsville
Richard Stephen Iannetti, Reading, MA
Alexander Jae-Kyung Kahng, Dublin
Robert Mathew Kistler, Clyde
Andrew James Kottenstette, Columbus
James Brian Krieger, Toledo
Jeffrey Scott Kuchta, Cleveland
Craig Alan Leffel, New Knoxville
Michael Scott Lockhart, Columbus
Tikna Goenawan Lukita, Jakarta, Indonesia
Oswaldo Enrique Machado, Maracaibo, Venezuela
Brian Patrick McEntee, Upper Arlington
Timothy Brian McKee, Whitehall
Hector Kurt Menke, Springfield
Gene Thomas Merryman, Columbus
Daniel Joseph Moniak, Brecksville
Meryl Edgbert Newton, Cleveland
George Andrew Oschip, Cleveland
Byoung Soo Ou, Worthington
Richard Edward Pietron, Cleveland
John William Robbins, Niles
David Andrew Roberts, Columbus
William Jay Ryan, Columbus
Keith David Savastano, Canton

Sassan Shademan, Columbus
Timothy Vernon Stotler, Newark
Kenneth Edward Wise, Jr., Delta

School of Architecture

Bachelor of Science in Architecture

Nor Haizan Abdul Hamid, Kuala Lumpur, Malaysia
Adetoro Oluwasola Aladesuyi, Lagos, Nigeria
Michael Edward Auferderheide, Worthington
Stuart Werner Baur, Coral Gables, FL
Nelson Louis Behr, Wapakoneta
Philippe Maurice Bourizk, Al-Shweir, Lebanon
Chong Chuan Chuah, Alor Setar, Malaysia
James Lloyd Daman, Pemberville
Ronald Dinardo, Novelty
Donald Joseph Dispenza, Youngstown
James Michael Dickason, Columbus
Virginia Leigh Durfey, Columbus
Joanne Lynn Gannes, Fox River Grove, IL
Thomas John Gerken, Columbus
Gary Lee Green, Lima
Mark Wesley Haines, Kettering
Mark David Headlee, Powell
Bradley Craig Horst, Orrville
Edward Thomas Howard, Huntington, WV
Paul Andrew Huck, Marietta
Robert Gordon Johnson, Massillon
Tala Johnson, Findlay
David Lytle Joliff, Columbus
Patrick Thomas Kelly, Roseville
John Kenton Lund, Reading
Michael Herbert Lutsch, Jr., Salem
Richard P. Makley, Columbus
Kristin Elaine Mingos, Athens
George Paul Nameth, Cortland
Edward Joseph Odziemski, Garfield Heights
Todd Richard Palechek, Hamilton
Daniel Thomas Pardi, Columbus
Petar Perisic, Rocky River
Leslie Anne Pomeroy, Toledo
Thomas John Popoff, Marion
David Carlyle Prater, Stuttgart, AR
Goelij Hanz Prawira, Balikpapan, Indonesia
Kent Eugene Purk, West Unity
Christopher John Redecke, Bethesda, MD
Robin Jeffrey Savage, Cincinnati
James Michael Schmidt, Mansfield
Cathy Lynn Schneider, London
Lori Ann Seeger, Columbus
Mario Serraglio, Whitehall
Paul Ernest Sherwood, Huber Heights
Matthew Evans Simon, Canton
Frank Stephen Ternasky, Columbus
Son Quoc Tran, Columbus
Daniel William Umbach, Wooster
Christopher James Vallette, Ashville

John Russell Van Doren, Forest Park
Michael George Ventouras, Miami, FL
Craig M. White, Columbus
Jerry Lee Winget, Marion
Ronald Eugene Zinn, Chiayi,
Taiwan, R.O.C.

Bachelor of Science in Landscape Architecture

Maria Helen Altenburger, Lima
Eric Joseph Anspach, Columbus
Shannon Leigh Bailey, Plain City
Jacqueline May Bottle, Columbus
Patrick Jeffrey Cloonan, Kirtland
David James Cunningham, New Concord
Roy Edward Davies, Jr., West Chester
Alan Lee Davis, Columbus
David Alan Elder, Youngstown
Shira Kay Evans, Columbus
Mary Katherine Florence, Columbus
Rodney David Fritz, Lexington
Diane Ruth Glimcher, Columbus
Margaret S. Grannis, Columbus
John Lee Grundey, Pickerington
Matthew William Hall, Columbus
Kent Andrew Henschen, New Bremen
Randall Charles Hunt, Fredericktown
James H. Kaiser, Jr., Newark
Pei Lih Lee, Singapore
James Alfred Lesti, Parma
Brian J. Mahoney, Mastic Long
Island, NY
Edward Lynn Melvin, Springfield
Leisha Mae Mueller, Mansfield
Paul Andrew Neundorfer, Chardon
Kathleen Virginia Pendery, Cincinnati
Mary Margaret Pendery, Cincinnati
William Mark Rifas, Miami, FL
John Robert Sambuco, Martins Ferry
Todd Arnold Shallenberger, Cortland
Michelle Elaine Shroge, Middleburg
Heights
Jeffrey K. Simpson, Sylvania
Daniel James Winner, Celina

College of Home Economics

Dean: Lena Bailey

Bachelor of Science in Home Economics

Lori Rae Anderson, Columbus
Louise Patricia Anderson, Maumee
Rhonda Marie Ashbrook, Kettering
Maria Lynn Bajec, Willoughby
Patricia Marie Banas, Seven Hills
Lisa Andrea Bez, Southfield, MI
Sheryl Lea Bombei, Solon
Katherine Ann Bonacci, Rocky River
Cheryl Ann Borton, Columbus
Toni Lea Boyle, Columbus
Heather J. Breese, Columbus
Connie Sue Brueggemeier, Bowling Green

Brenda Sue Cain, West Lafayette
Sherry Ann Calhoun, Massillon
Celeste Celene Canteri, Willowick
Lisa Ann Cherry, Oregon
Elizabeth Ann Cherwinski, Worthington
Pamela Marie Cicek, Highland Heights
Jill Marie Danko, Akron
Teresa Kay Davis, Cincinnati
Jeff Dettorre, Lorain
Becky Lynn Dickson, Forest
Marcia Marie DiRuzza, Canton
Andrea Monique Dixon, Whitehall
William John Donnelly, Wellington
Amy Lynn Dues, St. Marys
Lisa Anne Edheimer, Pepper Pike
Patricia Ann Elchert, Tiffin
Susan Lane Fink, Gahanna
Mary Catherine Fisher, Hillsboro
Hallie Lynne Friedman, Mayfield Heights
Janet Marie Friedmann, Fairborn
Mitzi Jo Fry, Chillicothe
Rebecca Eleanor Fry, Findlay
David Bryan Gates, Columbus
Melanie Meredith Gaulke, Columbus
Dorina Lynne Geitz, Orange Village
Susan Lee Glenn, Columbus
Eileen Marie Haller, Rocky River
Linda Marie Harrah, Sylvania
Donna Lee Harrass, Columbus
Faith Eileen Hart, Belmont
Lisa Holly Hays, Worthington
Amy Kay Henderlong, Plain City
William Oliver Henry, Columbus
Laura Jane Hester, Norwalk
Marcy E. Heyman, Bexley
Anita Marie Hines, Orient
Beth Gina Hochberg, Cincinnati
Ann Margaret Holben, Westerville
Joellen Kathryn Hoppes, Worthington
Margie Ann Hriesik, Mansfield
Annie Juanita Hsu, Columbus
Ruth Anne Inglis-Hirsch, Columbus
JoEllen Laurene Jannot, Mt. Vernon
Yvonne Evdokia Kalucis, Middleburg
Heights
Amy Louise Kidder, Arlington, TX
Deborah Lynn Koester, Centerville
Elizabeth Jane Kreider, Granville
Jane Elizabeth Krill, Edgerton
Christen Jean Lackey, Marion
Julie Ann Landholt, Columbus
Jan Marie Lukac, Port Clinton
Juliana Kay Lutz, Greenville
Robin Marie Mainous, Toledo
Ann Marie Marchese, Columbus
Kathleen Grace Maxwell, Westerville
Lee Adair McCarty, Plain City
Amy McCracken, Cincinnati
Maria Ann McKinley, Westerville
Brenda Alese Merriner, Uniontown
Pamela Lynn Merry, Columbus
Molly Anne Miller, Willoughby
Jeannine Monica Murray, Marietta, GA
Rebecca Lynn Nickles, Columbus
Lisa Renee Oxender, West Unity
Kelly Sue Parlett, Columbus
Joyce Marie Pleiman, Sidney
Jill Joanne Poppe, Columbus
Susan Marie Poppe, Columbus

Jeffrey L. Redmond, Loveland
Delford J. Rees, Columbus
Terri Elizabeth Ribet, Marion
Richard Joseph Rinella, Akron
Mary Elizabeth Robison, Peebles
Cheryl Ann Roepke, Maumee
Anne Elizabeth Sawicki, Toledo
Julie Ann Schlossberg, Columbus
Sumit Kumar Sethi, Bangkok, Thailand
Melissa Dianne Simmons, Barberton
Jenifer Arlene Simons, Marietta
Anthony Edward Skerski, Columbus
Sandra Sue Smith, Monroeville
Sheryl Ann Steahly, Zanesville
Sandra Kay Streecker, Tiffin
Anne Kathryn Stuller, Worthington
Laura Lee Sutton, Wapakoneta
Kristin Kay Thompson, Columbus
Melinda Ann Tran, Columbus
Kristin Joy Uhl, Columbus
Renee Ellen Walter, South Euclid
Cynthia Marie Watson, Columbus
Jamie Lynn Watson, Columbus
Theresa Lee Whitston, Galion
Cathy Ann Williams, Columbus
Jodi Lynn Young, Dayton
Alyssa Zimelman, Cincinnati
Judith Anne Zubic, Streetsboro

Bachelor of Science in Hospitality Management

Nancy Gibson Auger, Dublin
Diane Marie Bogner, North Ridgeville
Robert Louis Cartwright, Columbus
Joseph Eugene Christie, Amsterdam
Rosa Maria Del Rio Pineda, Rio
Piedras, PR
Richard J. Gaderick, Dublin
Nancy Ann Hartory, Chardon
Todd William Justus, Cuyahoga Falls
Drew David Lobdell, Columbus
Martha Jean Plyter, Clyde, NY
James Morgan Reese, Blacklick
Jennifer Jo Sparma, Columbus
Eric John Stenta, Shaker Heights
Kristi Lee Tsarbobopoulos, Rochester, MN
Carolyn Margaret Verga, Avon Lake
Debra Ann Weir, Orrville
Christina Diane Wells, Akron

Bachelor of Science in Nutrition

David Reuel Navorska, Ashland
Eric Jay Oglesbee, Kettering

College of Law

Dean: Francis X. Beytagh

Juris Doctor

Frank James Agin, Chassell, MI
B.A. (Beloit College)

Peter James Albert, Independence
B.A. in Bus. Adm. (Bowling Green State
University)

Alan Dawson Alford, Novelty
B.S.

Ronda Sue Anderson, East Sparta
B.A. (Walsh College)

John Todd Arkebauer, Sylvania
A.B. (University of Michigan)

G. Randall Ayers, Newcase, IN
B.A. (Earlham College)

Dan Evan Bellville, Delaware
B.S. (Bowling Green State University)

Alicia Jean Bentley, North Lima
B.A. (University of Akron)

Judith Ann Berman, Columbus
B.A.

Jeffrey Arlen Blake, Gahanna
B.A.

Bernadette J. Bollas, Columbus
B.A. (University of Notre Dame)

Debra A. Braddy, Miami, FL
B.S. (Central State University)

John Joseph Brennan, Toledo
B.A. (Miami University)

Vincent C. Brockman, Granville
B.A. (Miami University)

Robert Frederic Brown, Sandusky
B.S. (Miami University)

Joseph Dominic Buckley, Cleveland
B.A. (College of Wooster)

Donald Eric Burton, Defiance
B.A. (University of Toledo)

Robert Joseph Byrne, Eaton
A.B. (San Diego State University)

Jay Bernard Carter, Dayton
A.B. (Stanford University)

Anthony Joseph Caruso, Cincinnati
B.A. (University of Cincinnati)

Theodore F. Claypoole, Dayton

B.A. (Duke University)

Charles M. Coate, Columbus
B.S. (Miami University)

Zoe Allison Cohen, Charleston, WV
B.A. (Marshall University)

David Cooper Comstock, Jr., Youngstown
B.A. (The College of Wooster)

James William Conway, Norwalk
B.A. (University of Toledo)

Lisa Jo Cook, San Marino, CA
B.A. (University of California-Santa
Barbara)

Monette Wynn Cope, Columbus
B.A.

John Thomas Corrigan, Holyoke, MA
B.A. (Ohio Dominican College)

Timothy E. Cowans, Columbus
B.A. (Ohio Dominican College)

William Ray Damschroder, Gibsonburg
B.B.A. (Ohio University)

Dale Lloyd Dennie, Ann Arbor, MI
B.A. (Calvin College)

Phillip Francis Downey, Trenton, NJ
B.A. (Rutgers College)

Thomas Francis Doyon, Worthington
B.A.

Nathan Anthony Durst, Westerville
B.A. (Rice University)

Amy Lynn Earl, Columbus
B.A. (Georgetown University)

Kevin Francis Eichner, Dayton
B.S. (Miami University)

David Alan Eide, Elmhurst, IL
B.A. (University of Chicago)

Wendell Craig Eldridge, Willard
B.A. (John Carroll University)

Joan Marie Englund, Norton A.F.B., CA
B.S.

Mary Patricia Ennis, Columbus
B.A. (Kenyon College)

Ann Eileen Fallon, Cleveland
B.S. (Kent State University)

Robert Dale Fein, Girard
B.S.Bus.Adms.

Therese Susan Felix, Cincinnati
B.B.A. (University of Cincinnati)

Susan Leonard Fenderson, Rocky River
B.A. (The College of Wooster)

Mark Francis Fischer, Massillon
B.B.A. (University of Notre Dame)

Paul Harrison Fisher, Cincinnati
B.S. (Miami University)

Mark Ross Fortunato, Poland
B.A.

Anthony Luciano Foti, Lyndhurst
B.S.Bus.Adms.

William Edward Frank, Jr., Massillon
B.A.

Wendie Melise Freeman, Coshocton
B.A. (Northwestern University)

Judith L. French-Berry, Sebring
B.A.

Michael E. Furry, Columbus
B.S.

Grant Bennett Garverick, Galion
B.A.

Gregory A. Gehlmann, Lorain
B.A. (University of Dayton)

Danita Ann Gilbert, Coshocton
B.S.

Anthony Joseph Giuliani, Columbus
B.A.

Michael Jay Goldberg, Beachwood
B.S. (University of Cincinnati)

Lewis Howard Goldfarb, Columbus
B.S.

Rebecca Mills Green, Huntington, IN
B.A. (Hanover College)

Julie A. Grosjean, Wooster
B.A. (Allegheny College)

Daniel Robert Hackett, Springfield
B.B.A. (University of Notre Dame)

Stephanie Lynn Hager, Columbus
B.A. (Vanderbilt University)

Raleigh Ann Hahn, Akron
B.A.

Seth Robert Halpern, Beachwood
B.A. (Northwestern University)

Glenn Paul Hanzlick, Garfield
B.B.A. (University of Notre Dame)

Julia Ann Harden, Cincinnati
B.S. (Miami University)

Deborah Lynn Harp, Oxford
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Timothy Scott Harris, Toledo
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Robert G. Hartmann, Bexley
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Amy Bettina Haynes, Columbus
B.S.

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Karen Lyn Henry, Westerville
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Gregory Allen Hickman, Chicago, IL
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Sharon Anne Hicks, Shaker Heights
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Eugene Latimer Hollins, Marietta
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Elizabeth Ann Howell, Marietta
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Charles R. Hubbard III, Nelsonville
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Vincent Joseph Juliano, Watertown, MA
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Richard Dean Kennedy, Ironton
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Zane Edward Kindley, Hollansburg
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B.S.

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Paul David Morehart, Baltimore
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Susan Jerilyn Murray, Columbus
B.A.

Paul Mansfield Nalepka, Hudson
B.B.A. (Kent State University)

Marianne Neal, Worthington
B.A.

Nancy Ann Novak, Lancaster
B.A. (Miami University)

S. Diane Nutter, Columbus
B.S.Bus.Adm.

Charles Edward Ohlin, Warren
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Emmanuel I. Okonkwo, Enugu, Anambra-
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B.S. (Norfolk State College)

Jacqueline M. Orlando, Columbus
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Myles Anthony Owens, Columbus
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Jorge Alberto Pena, Charleston, WV
B.S.J. (West Virginia University)

Brian Vincent Pero, Boardman
B.S. (Miami University)

William James Pohlman, Columbus
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Thomas Joseph Potts, Sidney
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Claire J. Prechtel, Parma
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Diane E. Reynolds, Canal Winchester
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James Henry Richey, Alpena, MI

B.A. (Michigan State University)

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B.A.

Kirk William Roessler, Chardon
B.A. (Kenyon College)

Evan David Rossio, Columbus
B.A.

Carmin D. Ross Murray, Columbus
B.A.

William C. Ruettinger, Southbury, CT
B.A. (Columbia University)

Christopher Coe Russell, Columbus
B.A. (Kenyon College)

John Scott Saeger, Columbus
B.S. (Miami University)

Stacey Jay Schacter, Highland Park, IL
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Michael Lee Schipper, Portage, MI
B.A. (Hope College)

Michael David Scully, Dayton
B.S. (Ohio University)

John Christian Segelken, Ashland
B.A. (Miami University)

Mark Peter Seitzinger, Kent
B.A. (Kent State University)

William Leo Sennett III, Middletown
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B.S. (Fayetteville State University)

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B.A. (Miami University)

Brian Sirower, Twinsburg
B.A. (The College of William and Mary)

Margaret Kay Sitko, Akron
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B.S.

James Hamilton Smith, Nelsonville
B.A. (Ohio University)

Scott Andrew Smith, Massillon
B.A. (West Virginia University)

Jeffrey J. Snell, Sagamore Hills
B.S. in Bus Adm, B.A. (Ohio Northern
University)

Cheryl Lynn Snyder, Massillon
B.S. Bus. Adm.

Christopher John Snyder, Grand
Blanc, MI
B.S. (Central Michigan University)

Robert Lee Solomon II, Akron
B.A. (David Lipscomb College)

Mark Madison Southard, West Carrollton
B.S. (Wright State University)

James Charles Spitz, Columbus
B.A.

William Joseph Stavole, Parma Heights
B.A. (Kenyon College)

Marta Ann Stein, Akron
B.A. (University of Michigan)

Eugene Joseph Sterle, Highland Heights
B.A.

Patrick Emmett Sweeney, Columbus
B.A. (University of Notre Dame)

Betsy Ann Swift, Columbus
B.S.

Denise Joy Talebi, Columbus
B.A.

David Michael Thomas, Canton
B.A. (Walsh College)

Matthew J. Thompson, Reynoldsburg
B.A.

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B.A. (Lawrence University)

Thad C. Toothman, Columbus
B.A. (Miami University)

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Mary Lenox Topliff, Marion
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Robert John Travers, Youngstown
A.B. (Boston College)

Joan Denise Veri, South Charleston
B.A. (Miami University)

Jeffrey P. Vogelgesang, Cincinnati
B.A. (Miami University)

Matthew Joseph Voltolini, Columbus
B.A.

John Thomas Walker, Powell
B.A. (University of North Carolina at
Wilmington)

Michael Henry Walsh, Westlake
B.A. (University of Kentucky)

Lisa A. Weekley, Columbus
B.A. (Marietta College)

Peter Daniel Welin, Columbus
B.S. (Iowa State University of Science &
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Karen Denise Wheel, Baltimore, MD
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Virginia S. Wilson, Newark
B.S. H.E.

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B.A.

David Allen Zagore, Columbus
B.A.

James Edgar Zorn, Palm Bay, FL
B.A. (University of Central Florida)

College of Medicine

Dean: Manuel Tzagournis, M.D.

Doctor of Medicine

Mark Ellis Aebi, Vincent
B.S. (Harding University)

Janet B. Alexander, Copley
B.S.

David Terrence Applegate II, Grosse
Pointe Park, MI
B.S.

Mark Anthony Armeni, Youngstown
B.A. (Hiram College)

Daniel L. Badenhop, Napoleon
B.S. (Defiance College)

Alp Sinan Baran, Columbus
B.S.

Bradford John Barrett, Canfield
B.S. (University of Notre Dame)

Albert Kenneth Bartko, Boca Raton, FL
B.A. (Wright State University)

Kathleen Rickey Bartunek, Springfield
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Gregg Alan Bauer, Kent
B.A. (Emory University)

Charles Dale Baughman, Carroll
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Bonnie Jo Bayne, Ann Arbor, MI
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Mary Ellen Behmer, Lakewood
B.S. (Boston College)

Greg Russell Bell, Boulder, CO
B.S. (College of William and Mary)

Phyllis L. Bieri, Yellow Springs
B.S. (Antioch College)

Jane Elizabeth Bistline, Dayton

Charles Dana Bond, Akron
B.S.

Joyce Ivy Bonenberger, Cedarville
B.A. (Cedarville College)

Peter Joseph Bongiovanni, Mayfield
Heights
B.A. (Miami University)

Kevin Karl Bowman, Elida
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Debra Lynn Boyer, Westerville
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Joseph Michael Bryan, Canfield
B.S. (Youngstown State University)

Susan Nathalie Buchanan, Columbus
B.S. (Denison University)

William Bruce Bunn, Youngstown
B.S. (University of Wisconsin)

Brian Scott Burdo, Waterville
B.S.

Carol Ann Burke, Mayfield Village
B.S. (University of Colorado)

Denise Ianora Campagnolo, Bayonne, NJ
B.S.

Deborah Ann Campbell, Parma
B.M. (University of Cincinnati)

Jean Marie Capella-St. John, Painesville
B.S. (Duquesne University)

Cynthia Kaye Casamento, Circleville
B.S.

Jeffrey B. Casamento, Chesterland
B.S.

Lawrence Edward Clapp, Toledo
B.S. (University of Toledo)

Debra Lynn Clark, Canton
B.S.

Leesa Irene Comparin, Lakewood, CO
B.S. (Stanford University)

Stephen S. Crane, Pepper Pike
B.S. (University of Michigan)

Edward James Cupler, Youngstown
B.S.

Boyd Delanor Curtis, Canton
B.S.

Valerie Jo Del Medico, Akron
B.A. (Case Western Reserve University)

Thomas James Donnelly, Dayton
B.A. (Wesleyan University)

Nancy Eleanor Drescher, Rocky River
B.S.

Paul Henry Dreyfuss, Miami, FL
B.S.

Peter Holmes Edwards, Columbus
B.S., M.Sc.

Gregor Kreul Emmert, Jr., Toledo
B.A. (Princeton University)

Maria Annette Enrione, Cincinnati
B.S., M.S.

Mary Beth Fenderson, Rocky River
B.A. (The College of Wooster)

Joseph Francis Fiala, Parma
B.A. (University of Notre Dame)

Richard Michael Finer, Cincinnati
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Mark Thomas Finneran, Muskegon, MI
B.S. (John Carroll University)

Sharon M. Roberts Fitzsimmons,
Wadsworth
B.S.

Monica Anne Flynn, Cincinnati
B.S. (Xavier University)

Lowell Arick Forrest, Dublin
B.S.

Orville Ryland Foster, Cleveland
B.A. (Case Western Reserve University)

Robert Matthew Frank, Euclid
B.S. (The University of Michigan)

Janice Aileen Frederick, Fremont
B.A. (Miami University)

Susan Colleen Galbraith, Centerville
B.S. (Graceland College)

Estella Maria Gallardo, Hamilton
B.S. (University of Dayton)

David Spencer George, Marietta
B.S.

Karen Elizabeth George, Mentor
B.S. (Bates College)

Philip Mark Glencross, Valrico, FL
B.A. (Case Western Reserve University)

Dale Alan Goodman, Mayfield Heights
B.S., B.S.

Jeanine Marie Graf, Worthington
B.A. (Saint Louis University)

Thomas S. Granchi, Canton
B.S. (Syracuse University)

Walter George Griffith, Jr., Akron
B.S. (University of Notre Dame)

Terry Winton Grogg, Mansfield
B.S. (University of Cincinnati)

Joseph Jay Guth, Bellville
B.A. (University of Cincinnati)

Julie Ann Guthrie, Springboro
B.S.

Craig Allen Hackworth, Rocky River
B.A. (Ohio Wesleyan University)

Charlene Elaine Hafer, Shippensburg, PA
B.S. (Pennsylvania State University)
M.S. (Case Western Reserve University)

Leila Raja Hajar, Beirut, Lebanon
B.S. (American University of Beirut)

Cecelia Lynn Hamilton, Cleveland
B.A. (Harvard University)

Maged Fouad Hanna, Bellbrook
B.S. (University of Dayton)

Thomas Frederick Harman, Fostoria

Thomas Louis Harmon, Cincinnati
B.S. (University of Dayton)

Keith Edward Harrington, Columbus
B.S., M.S.

Stefan Hasínski, Fairfield
B.A. (University of Cincinnati)

David McClure Haybron, Chagrin Falls
B.S. (Case Western Reserve University)
M.S. (University of Hawaii)

Matthew James Heider, Toledo
B.S. (Kent State University)

Kurt William Heintzelman, Canfield
B.S. (University of Cincinnati)

Gregory Scott Hellwarth, Celina
B.S.

Harry Douglas Hobson, New Richmond
B.A. (Ohio Northern University)

Keith Alan Hollingsworth, Chesterland
B.S. (Denison University)

Tyler Kauffman Huggins, Galion
B.A. (Otterbein College)

Amy A. Imm, Ottawa
B.S., B.A. (Ohio Northern University)

Mark Joseph Johnson, Ravenna
B.S.

Amy Stocker Jolliff, Wooster
B.S.

Stuart Russel Jones, Jr., Columbus
B.A. (Denison University)

Richard Lawrence Kalish, Columbus
B.A. (Brandeis University); M.S.

Matthew William Karshner, Columbus
B.A. (Kenyon College)

Shereif N. Khalil, Solon
B.A. (Case Western Reserve University)

Elizabeth Marie Kiraly, Austintown
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Ján Edward Klamar, Upper Arlington
B.A. (Kenyon College)

Wendy Diane Knarr-Schuen, Fleetwood, PA
B.S. (Columbia Union College)

Frederick Michael Kohn, Trotwood
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Daniel Jay Leizman, Cleveland Heights
B.A. (University of Pennsylvania)

Andrew Campbell Leslie, Delaware
B.S. (Ohio Wesleyan University)

Timothy Michael Lestingi, Cincinnati
B.A. (Northwestern University)

Robert Michael Letscher, Cincinnati
B.A. (Miami University)

David Kennedy Lewis II, Moreland Hills
B.A., B.A. (University of Colorado)

Melissa Susann Lim, Richfield
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William Andrew Liss, Hollywood, CA
B.A. (University of California)

Joseph Michael Long, Middletown
B.S. (Washington University)

Mark Phillip Long, Middleburg Heights
B.S.

Scott Alfred Luking, Huber Heights
B.S. (Wright State University)

Ronald Frank Maceyko, Campbell
B.S. (Youngstown State University)

Christopher Charles Mand, Dublin
B.A. (University of North Carolina)

James Andrew Mandelik, Highland Heights
B.A. (Kenyon College)

David Patrick Marmaduke, Akron
B.S. (De Paul University)

James Craven Martin, Jr., Salinas, CA
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Anthony Michael Masaryk, Wadsworth
B.S. (The University of Akron)

Gregory Scott Masimore, Warren
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John Guy Mastronarde, Campbell
B.S. (John Carroll University)

David Douglas McCarther, Dayton
B.A. (Columbia University)

Charles Thomas McConnell, Jr., West Chester
B.A. (Miami University)

Kathleen Louise McDonald, Olmsted Falls
B.A. (Denison University)

Steve Edward McKee, Gallon
B.A. (Ohio Northern)

Daniel Robert McMahon, Rocky River
B.S. (University of Cincinnati)

Charles Arthur Milem, South Point
B.S.M.E. (University of Cincinnati)

Brian Keith Miller, Toledo
B.A., B.A. (University of Toledo)

Ann Trzaska Moell, Centerville
B.S. (University of Dayton)

Nancy Carroll Moore, Bryan
B.S.

J. David Morgan III, Chagrin Falls
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Ann Marie Morvai, Barberton
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Bradford Brent Mullin, Gahanna
B.A. (Otterbein College)

Lakshman Singh Negi, Kilba, India
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Kenneth Evan Nekl, Seven Hills
B.S. (University of Toledo)

Charles Jon Nicely, Akron
B.S.

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B.S. (Massachusetts Institute of Technology)

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Jane Hildy Pollner, Mt. Lebanon, PA
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Thomas Anthony Preston, Cincinnati
B.A. (University of Notre Dame)

Paul Irvin Pyles, Hamilton
B.S. (Xavier University)

Navdeep Singh Rai, Akron
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Daniel Eric Ray, Chardon
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Anthony Paul Restuccio, Girard
B.S.

Virginia Ann Rhodes, Solon
B.S. (Mount Union College)

Joseph Reid Ritchie, Fairborn
B.S.

Steven L. Robinson, Westerville
B.S.

Karl Gerard Louis Rose, Dayton
B.S. (University of Dayton)

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Mark S. Rumancik, North Canton
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Scott Andrew Russi, Gahanna
B.S. (United States Air Force Academy)

Ralph Christian Samlowski, Columbus
B.A.

Daniel Zev Sands, University Heights
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Philip Harry Santa-Emma, Columbus
B.A.

Gretchen Eloise Schacht, Pittsburgh, PA
B.S.

Roger Matthew Schantz, Sylvania
B.A. (University of Toledo)

Howard Joseph Schertzinger, Jr.,
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Gary Lynn Schroeder, Napoleon
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Andreas Walter Schuster, Middleburg
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Steven Michael Schwartz, Pepper Pike
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Joseph Edward Segeleon, Pittsburgh, PA
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Leslie Yvonne Smith, Bellefontaine
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Deborah K. Smithberger, Pickerington
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Robert Snitzer, Campbell
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Luette Marie Sobecki, Toledo
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Nancy Marie Sokany, Parma Heights
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Richard Alan Spech, Cleveland
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Cynthia Sedor Spicker, Worthington
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Brian Ray Stahl, Beaver Creek
O.D.

Elizabeth Hards Stechschulte, Findlay
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Mark Stechschulte, Lima
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Nancy Lee B. Stier, Canton
B.S.

Rebecca Armstrong Stilson, Worthington
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Gregory Strongosky, Richfield
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Nasir Musa Suleiman, Cleveland
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Donald James Sullivan, Akron
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Lee Shackelford Szykowny, Columbus
B.A. (Williams College)

Eric Michael Tallan, Dayton
B.S.

Michael Wayne Tanksley, Canfield
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Thomas L. Teater, Neffs
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John Nicholas Teteris, Columbus
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Anthony Paul Tizzano, Chesterland
B.S. (Slippery Rock State University)

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Thomas Charles Trevorrow,
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James Michael Uhlenbrock, Urbana
B.S. (University of Notre Dame)

Elio Ventresca, Columbus
B.A.

Gregory Lee Vignon, New Middleton
B.S. (Youngstown State University)

Michael Hung Vo, Maumee
B.S., B.S. (University of Toledo)

Jean Kennedy Warner, Columbus
B.A.

Karin Margaret Wetzler, Cleveland
Heights
B.S. (Texas A&M University)

Sally Jane Wheeler, Warren
B.A. (Wittenberg University)

James David Wilson, Troy
B.S.

Barbara Alice Wynkoop, Wilmington
B.A. (Boston University)

School of Allied Medical Professions

Bachelor of Science in Allied Health Professions

Sandy Jo Alvarez, Shadyside
Jane Marie Andrews, North Canton
Timothy Lee Arndis, Dayton
Connie Sue Asmus, Bowling Green
Kim Lorraine Bailey, Pickerington
Caroline Marie Barnes, Columbus
Lori Ann Baron, Aurora
Deann Marie Bartos, Fairview Park
Douglas William Beals, Dayton
Marlene Anne Beat, Attica
Julie Ann Beck, Newark
Lorriene Carol Behnke, Painesville
Loree Anne Besch, Marion
Alexander Peter Bezruczko, Fayette
Patricia Lynne Black, West Seneca
Debra Lynn Block, Worthington
Bobbie Jo Blue, Girard
Leanne Clarence Boner, Richwood
Tonya Nanette Boolman, Greenville
Kathleen Annette Borchers, Versailles
Mary Ellen Braidich, Newark
Mark Louis Brett, Ravenna
Wendy Marie Buchanan, Euclid
Carla Irene Buffone, Leetonia
Thomas Joseph Caldwell, Mentor on the
Lake
Sheri Dawn Carner, Girard
Kelley Ann Cassidy, Centerville
Maria Sherrilyn Chand, Copley
Thomas Robert Cherry, Columbus
Jan Susan Claggett, Grove City
Amy Louise Clark, Bryan
Eunice Elizabeth Clark, Columbus
Jennifer Christine Elizabeth Clemens, Van
Buren
Mary Catherine Coleman, Lancaster
Deirdre Ann Collins, Worthington
Karen Lee Cook, Warren
Patricia Marie Cooke, Brook Park
Linda Ann Cornu, Marengo
Cynthia Leigh Cox, Columbus
Cassandra Lynn Crank, Columbus
Lynne Ann Crofts, Lockport, NY
Althea Pauline Crome, Yellow Springs
Elizabeth Susan Cypher, Medina
Patricia Ann Davenport, Cincinnati
Cheryl Elaine Davis, Delaware

Deborah Lynn DeBacker, Sylvania
 Kristine N. Debeljak, Mentor
 Angela Dawn Deck, Wilmington
 Oscar R. Del Barco Lara, Cochabamba, Bolivia
 Michelle Marie Deszcz, Brecksville
 Maria DiNovo, Newbury
 Amy Jo Dodson, Shiloh
 Betsy Kay Donahoe, Urbana
 Kathy Lynn Donaldson, North Jackson
 Erin May Eaglin, Dayton
 Rae Jean Fisher, Rushville
 Susan Marie Foster, Ravenna
 Karen Lynn Fox, Massillon
 Marie Louise Frazier, Wooster
 Christopher Charles Frederick, Columbus
 Michael Edward Furda, Wintersville
 Kelly Deanne Furlong, Naperville
 Michele Renee Garnet, Cortland
 Cheryl Lynn Geiger, Delaware
 Lori S. Gillfillan, Grove City
 Gretchen Fay Gnagey, Avon Lake
 Teresa Ann Gordon, Dayton
 David Lee Gray, Celina
 Terri Lynn Guanciale, Warren
 Wendy Jo Harbison, Seven Hills
 Regina Lynne Harder, Kenton
 Tessa Lynne Hay, West Jefferson
 Linda Kay Hiltz, Powell
 Tammy Rae Hollback, Wheelersburg
 Lisa Ann Holpit, Mentor
 Amy Elizabeth Hook, Cincinnati
 Christine Virginia Horattas, Stow
 Jane Marie Houglund, Napoleon
 Marci Lee Hrdlicka, St. Clairsville
 Timothy John Huffman, Poland
 Brian Slaughtery Hunsicker, Doylestown
 Karen Gail Hupp, Caldwell
 Joanne Jacobsky, Solon
 Lori Ann Jeskey, Oregon
 Gregory Scott Johnson, Columbus
 Celeste Marie Jones, Gahanna
 Cynthia Ann Kovacs, Youngstown
 Amy Michele Kramer, Centerville
 Michele Ann Kraynak, Youngstown
 Laura Ann Lesneski, Akron
 Timothy Alan Long, Shady Side
 Julie Lyman, Chesterland
 Christopher Thaddaeus Mancuso, Dayton
 Katrina Lynn Mann, Canton
 Yvette Marie Marmon, Massillon
 Alberto Enrico Marra, Mayfield Heights
 Armand Ludwig Martin, Columbus
 Robert Charles Mears, Canton
 James Michael Mehalik, Middleburg Heights
 Stephen Michael Mendicino, Fairview Park
 Lisa Marie Mino, Seven Hills
 Alice Jodelle Mitchell, Columbus
 Stephen Matthew Molloy, Cincinnati
 Christine Ann Molnar, Amherst
 Ronda Ann Morbitzer, Grove City
 Susan Jill Myers, Holland
 Jody Elizabeth Near, Coshocton
 Thuy Bich Nguyen, Columbus
 Ali Said Nouwairi, Saida, Lebanon
 Deborah Lynn Nugent, Columbus
 Andrea Lee Oliver, Bryan

Kelly Lynn Ottenweiler, Bexley
 Joanna Susan Pallos, Columbus
 Kenneth Joseph Papa, Brecksville
 Mary Monica Papay, Amherst
 Preya Kanu Patel, Reynoldsburg
 Beth Ann Peters, Cloverdale
 Jodi Ann Petry, Findlay
 Stacey Ann Pfeifer, Nashport
 Karen Dolores Phillips, Westerville
 Lisa Ann Phillips, Hubbard
 Frances Claire Quinn, Zanesville
 Katrina Marie Ray, Kettering
 Laurie Anne Reinker, Elyria
 Michael Edward Ribar, Kent
 Maureen Marie Riley, Shelby
 Jane Leanne Roberts, Zanesville
 Diane Thomas Rogers, West Jefferson
 Stanley Ray Roth, Killbuck
 Kathleen Lois Russell, Canfield
 Tracy Marie Saco, Columbus
 Jennifer Schaengold, Columbus
 James Michael Scherman, Scottsdale, AZ
 Lori Jane Schiefer, Tiro
 Mary Susan Schrote, Marion
 David Russell Schumick, Columbus
 Andrea Lynn Schwaderer, Marion
 Teresa Jane Scott, Grove City
 Laura Ann Sewalk, Coshocton
 Samantha Lee Shilling, Smithville
 Connie Frances Siefker, Miller City
 Shani Kay Simmers, Newark
 Stephanie Ann Salter, Chillicothe
 Laura Catherine Smith, Tiffin
 Patricia Marie Smith, Reynoldsburg
 Robert Charles Split, Grand Haven, MI
 Mindy Louise Spurlock, Upper Arlington
 Ann M. Steen, Columbus
 Scott George Strager, St. Clairsville
 Robert G. Stricko, Jr., Austintown
 David Allen Styers, Waterville
 Pamela Lynn Sunderman, Girard
 Denise Ann Susi, Columbus
 Malia Kathleen Swab, Dayton
 Christine Anne Tackett, Gahanna
 Tracey Lynn Thompson, Akron
 Sheri Lynn Tilley, Centerville
 Stanley Roger Tripp, Jr., Dayton
 Lisa Ann Truckor, Swanton
 Antonette Kathrine Tumpek, Stow
 Jacqueline F. Wagner, Troy
 Ralph Edward Walters, Cincinnati
 Scott Alan Warren, Columbus
 Debbie Lynn Wellington, Granville
 Kimberley Sue White, Dayton
 Jennifer Jude Williams, Lima
 Laura Lynn Winner, Coldwater
 Deborah Ann Winter, Huber Heights
 Nancy Alice Witushynski, Amherst
 Melanie Lynn Woosley, New Carlisle
 Margaret Lynne Yager, Chesterland
 Michele Zelina, Lorain

**Certificate of Post Baccalaureate
 Medical Illustrator**

H. Jane Herbst, Lake Oswego, OR
 B.A., B.S.Agr.

**Certificate of Post Baccalaureate
 Medical Technologist**

Bruce Wayne Graybill, Columbus
 B.S.

**Certificate of Study in Physical
 Therapy**

Marla Kay Arns, Cincinnati
 B.A. (Central Bible Institute)

Mark W. Melecki, Columbus
 B.S. (University of Dayton)

College of Nursing

Dean: Carole A. Anderson

Bachelor of Science in Nursing

Deborah Sue Agee, Bellevue
 Janet Mary Amabeli, Sebring
 Ginger Ellen Anderson, Mason
 Michelle Yvette Aspinwall, Euclid
 Gail Elizabeth Aznavorian, East Liverpool
 Linda Suzanne Ballweg, Chickasaw
 Jeffrey Howard Baron, Dayton
 Mel Alan Beal, Columbus
 Michelle Ann Beckerich, Dayton
 Maria Nora Begazy, Stockholm, Sweden
 Victoria Lynn Benton, Galion
 Annette Marie Berger, Mansfield
 Joanna Lee Bigler, Macon, GA
 Heather Lenore Bingham, Salem
 Melanie Ann Black, Vienna, VA
 Andrea Lynn Blackwell, Newbury
 Julie Ann Bletso, Kent
 Marie Angela Bondoc, Cincinnati
 Christine Ann Bowe, Canton
 Amy Elizabeth Brown, Chillicothe
 Tracy Marie Bruning, Toledo
 Terri Lee Bunn, Toledo
 Renée Louise Burgdorf, Strongsville
 Krista Kaye Burge, Kettering
 Katherine Lynn Canfield, Medina
 Cynthia Marie Carrier, Lorain
 DiAnna Marie Chiudioni, Massillon
 Robin Renae Christman, Neoga, IL
 Deneen Marie Cianciolo, Loveland
 Amy Jo Cochran, Middleburg Heights
 Todd Edward Cochran, Zanesville
 Kimberly Dawn Cokes, East Cleveland
 Cynthia Louise Collins, Avon Lake
 Tina Lynn Conley, Jeffersonville
 Suzanne Denise Copus, Ada
 Janet Marie Crum, Columbus
 David Scott Davidson, Columbus
 Sandra Ann Deighton, North Olmsted
 Mary Margaret Devitt, Uniontown
 Terri Jean Dials, Sciotoville
 Rose Ann Dible, Sunbury
 Jennifer Sue Duff, Ravenna
 Maxine Agatha Duhaney, Queens, NY
 Laura Kathryn Dykes, Solon

Carol Beth Ecos, Grove City
 Jennifer Anne Edwards, Bexley
 Julie Lynne Edwards, Bexley
 Jill Elizabeth Ehrbar, North Olmsted
 Carmen Lynn Eikenberry, Gahanna
 Kristen Karen Erickson, Cincinnati
 Michele Dawne Flickinger, Wooster
 Stacey Joan Foster, Warren
 Lisa Ann Fray, Bloomingdale
 William Paul Frichtel, Youngstown
 Carole Lynn Gabel, Dublin
 Joan Michele George, Newark
 Linda Jean Goettemoeller, St. Henry
 Pamela Goines, Willard
 Kelly Ann Gray, Ashland
 Kimberly Anne Greene, Englewood
 Erik Hans Groscoast, Lakewood
 Melinda Lee Guttridge, Newark
 Constance Virginia Guzman,
 Burlington, IA
 Tina Marie Hamm, Lancaster
 Joan Marie Harder, Columbus
 Debra Denise Harris, Columbus
 Monica Ann Hartman, Cincinnati
 Betsy Lynn Held-Lenhart, Clyde
 Barbara Ann Hickey, Columbus
 Margaret Evelyn Holland, Akron
 Dana Anne Holobinko, Middleburg
 Heights
 Christina Marie Holtsberry, Paulding
 Kathleen June Horner, Plymouth
 Deborah Jean Hudepohl, Mt. Vernon
 Sheelia Ann Jackson, Cleveland
 Robert Matthew James, Grove City
 Deborah Ann Janki, Chesterland
 Kimberly Ann Jeffries, Fairfield
 Joan Christine Jentgen, Columbus
 Kelvin James Johnson, Akron
 Wendy Sue Johnson, Oregon
 Jennifer Ann Judy, Warren
 Dawn Alecia Kamen, Pepper Pike
 Susan Lynn Keller, Wapakoneta
 Jody Jean Quisenberry Klejka, Avon
 Pamela Lynn Kline, Elyria
 Elizabeth Anne Komer, Orrville
 Margaret Ann Koster, Rocky River
 Stephanie Noelle Kramer, Lorain
 Cynthia Marie Kulis, Chesterland
 David Thomas Kwiatkowski, Berea
 Allison Jean LaChappelle, Rocky River
 Lisa Christine Lambert, Ashland
 Lucilla Lauderdale-Carr, Cleveland
 Karen Elaine Long, Worthington
 Pamela Darda Lopez, Vineland, NJ
 James Richard Lowe, Columbus
 Traci Lenee Lutz, Bucyrus
 Ann Marie Christine Lyden, Youngstown
 Laurie Sue McCloud, Columbus
 Rhonda Lynn McCoy, Wheelersburg
 Siobhan Marie McGreal, Westlake
 Susan Renee McKee, Forest
 Todd Dewitt McKee, Forest
 Joseph Scott Mackley, Columbus
 Donna Marie Mandula, Seven Hills
 Kathleen Helen Markham, Cincinnati
 Heidi Marshall, Springfield
 Shelley Elaine Martin, Columbus
 April Lynn Mayer, Novelty
 Kimberly Ann Mayer, Marysville

Elizabeth Ann Mazza, Cincinnati
 Judith Ann Mennetti, Columbus
 Rebecca Lynn Menning, Columbus
 Marilyn Marie Meyers, Kettering
 Karen Marie Miele, Cincinnati
 Brian King Miller, Pittsburgh, PA
 Deborah Lynn Miller, Shelby
 Mary Beth Miller, Lorain
 Janet Gabriel Miranda, Lorain
 Ruth Lydia Mountain, Broadview Heights
 Theresa Mary Murnane, Columbus
 Erin Louise Murray, Piqua
 Joyce Anne Mutchler, Mansfield
 Kandi Sue Myers, Pitsburg
 Deborah Jean Nally, Columbus
 Denise Renee Naugle, Ashland
 Douglas Alan Neal, Jamestown
 Denise Renee Nolder, Sandusky
 Jennifer Anne Ormond, Akron
 Lynetta Ann Orr-George, Utica
 Jill Renee Papoi, Napoleon
 Jamie Lynn Patrick, South Webster
 Valerie Edwards Peart, London
 Melanie Sue Piatt, Columbus
 Paula Jean Piatt, Columbus
 Debra Ann Primovic, Bridgeport
 Beth Ann Putz, Worthington
 Christine Elaine Rankin, London
 Danielle Chrishon Richardson, Cleveland
 Douglas Patrick Rider, Cleveland
 Beth Ann Rogers, Cadiz
 Susan Jane Rosenberger, Worthington
 Renee Ellen Rubin, Cleveland
 Yvonne Sue Rucker, Worthington
 Cheryl Marie Sarway, Cleveland
 Pamela Sue Schweitzer, Dublin
 Donetta Jane Setters, Fairborn
 Kari Lynn Shank, Springfield
 Elizabeth Anne Sipp, Upper Arlington
 Cheryl Renee Skidmore, Fairborn
 Jody Lynn Slivka, Cincinnati
 Diane Lynn Smith, Columbus
 Mark Edwin Spittler, Dayton
 Deborah Suzanne Stanford, Perrysburg
 Kristi Annette Staugh, Newark
 Julie Marie Stebens, Upper Arlington
 Sue Ellen Steinmetz, Mount Vernon
 Susan Lynae Stuckey, West Unity
 Rhoda Kirsten Sulzbach, Youngstown
 Lisa Ann Summa, Reynoldsburg
 Constance Mary Swartz II, Columbus
 Jana Elizabeth Taylor, London
 Mary Therese Templin, Mentor
 Donna Denise Tesler, Medina
 Michaela Anne Thum, Bexley
 Charles Samuel Tonkin, Delaware
 Sherry Lynne Ulrich, Columbus
 Jennifer Louise Weekly, Newark
 Rena Marie Wellman, Indiana, PA
 Mary Ellen White, Columbus
 Gerry Lynn Wilson, Bellevue
 Robyn Anne Wisti, Scarborough, Ontario,
 Canada
 Laura Jane Wood, Lorain
 Sandra Kay Wooddell, Columbus
 Susan Marie Zalack, Brunswick
 Janet Marie Zumrick, Youngstown

College of Optometry

Dean: Frederick W. Hebbard

Doctor of Optometry

Paul Joseph Alton, Mansfield
 B.S.

Alice Marie Bacak, LaCarne
 B.S.

Lisa M. Badowski, Broadview Heights
 B.A. (Miami University)

Scott Patrick Barron, Lincoln, NE

Mark Andrew Bashore, West Carrollton

Marlos Darlene Begeny, Warren
 B.A. (Miami University)

Loren Wallace Bennett, Enon
 B.A. (Ohio Wesleyan University)

Lynn Blair, Belpre

Sharon Marie Brokamp, Cincinnati

Kelly Lynn Carson, Portsmouth

Kathleen Monica Cleary, Elmira, NY
 B.S. (Saint John Fisher College)

Craig Alan Coleman, Columbus

Jon H. Cooperrider II, Loudonville

Ronald David DiFrangia, Akron
 B.S.M.E. (University of Akron)

Daniel C. Drought, Geneva
 B.S.

Michael J. Earley, Chicago, IL
 B.A. (Northwestern University)

William Edward Glenn II, Morrow
 A.B. (Miami University)

Todd Alan Hershner, Granville

Levelle Bristow Jenkins, Columbus

John Joseph Jicha, Chagrin Falls
 B.S. (Marietta College)

Kathy Lynn Jochum, Akron

Joel Andrew Kennedy, Rockbridge

Kris A. Kline, Circleville

Kim Marie Korte, Beloit

James Nasser Lehman, Greenville
 B.S. (Manchester College)

Diane Elizabeth Levin, Canton
B.S.

Lorie Lee Lippiatt, Salem
A.A.S. (Youngstown State University)

Christopher J. Meyer, Mantua

Walter Frederick Morton, Reynoldsburg
B.A. (Miami University)

James B. Mowbray, Portsmouth

Tracy Alane Parks, Westerville
B.A. (University of Kansas)

Lon Douglas Patton, Sidney
B.S.

Jonathan J. Pflueger, Loudonville

Jennifer Lynne Planitz, Cortland

Timothy Raymond Poling, Mentor on the
Lake

Daniel Allen Poth, Navarre

Melissa J. Rutan, Columbus

Stephen Frederick Sasala, Jefferson
B.S. (John Carroll University)

Mark Everett Schmidt, New Bremen

Shirley J. Schneppe, Lorain

Dana Lynn Shepard, Plainfield, CT
B.A. (Miami University)

Mark P. Strosser, Hermitage, PA

Thomas Edward Talkie, Bethel
B.A. (Heidelberg College)
M.Ed. (Wright State University)

Teresa Marie Thomas, Brookfield

Joseph George Van Keuren, Elyria
B.S.

James Edward Volk, Devils Lake, ND
B.S. (North Dakota State University)

Jeffrey Kent Wallace, Boston, NY
B.A. (State University of New York at
Buffalo)

Kenneth Robert Westcott, Norwalk

John Anthony Wiener, Cincinnati
B.A. (University of Cincinnati)

Sharon Lynne Williams, Fishers, NY
B.S. (Saint John Fisher College)

Karen Ann Winters, Columbus
B.S., M.S.

Melanie Ann Katko-Young, Columbus

John Paul Sekiguchi Yu, Columbus
B.S.

Tracy Andrea Zemel, University Heights
B.S.

Randal Lee Zink, Clarington

College of Pharmacy

Dean: John M. Cassidy

Bachelor of Science in Pharmacy

Scott Anthony Baran, Warren
Craig William Baxter, Minerva
Michael Vincent Benedict, Springfield
Michael Joseph Blake, West Union
Stacy Leigh Bratton, Northfield
Jacqueline Eve Briskin, Dayton
Evelyn Leora Cassell, Parkersburg, WV
Terence SingWa Chim, Hong Kong
Lena Chou, Taipei, Taiwan, R.O.C.
Keith Allen Chrsianthus, Canton
Robert Bruce Christian, Oak Hill
Mary Ann Coco, Alliance
Karen Anne Colegrove, Wheelersburg
Paul Carl Cook, Westchester
Ted Michael Crum, Columbus
Karen Michele Darnell, Ironton
Maria Ann Delorenzo, Cincinnati
Kimberly Ann Elliot, Niles
John Edward Fedyna, Bellevue
Renard Joseph Flora, Napoleon
Dannene Sue Haas, Canton
Peter Joseph Hart, Cincinnati
Deanna Elinor Hedges, Columbus
Arthur Phillip Hess III, Indianapolis, IN
Carol Ann Hudecek, Northfield
Lisa Marie Huffman, Warren
Brian Colyer Johnson, Hillsboro
Jeffrey Michael Ketz, Solon
Barry Edward Klein, Cuyahoga Falls
Laura Renee Klein, Delaware
David Patrick Kling, Sandusky
Brian Raymond Leon, Lorain
David Eugene Little, West Jefferson
Catherine Marie Lopienski, Akron
John Clifton Mattern, Cadiz
Nannette Lynn Meyers, Wintersville
Marianne Lucille Penrose, Stockport
Megan Leiendeker Peters, Columbus
Pammi Jo Phillips, Euclid
Robin Gale Plummer, Farmington
Lisa Ann Porter, South Charleston, WV
Judith Lynne Portwood, Columbus
Cheryl Lynn Rearick, Westerville
Christine Lynn Ritzman, Norton
Laura Anne Ritzman, Norton
Kathleen Ann Ryan, Lima
Richard James Schlagheck, Holland
Pamela Louise Schuller, Naperville
Paige Ann Seyffer, Cincinnati
Karen Marie Shutway, Broadview
Sharon Sue Starling, Marietta

John Robert Stone, Kingsport
John Alexander Sunyecz, Cuyahoga Falls
Timothy Brian Temelkoff, Canfield
Julie Ann Tiberi, Canton
Stephanie Lynn Todd, Columbiana
John David Waddell, Cincinnati
Mary Lynn Walerius, Cincinnati
Sheri Lynn White, Ashland
Lisa Rae Wolf, Massillon
Linda Arlene Wright, Edison

College of Social Work

Dean: Richard E. Boettcher

Bachelor of Science in Social Work

Kimberly Nina Allen, Cleveland
Lori Ann Borders, Marion
Diana Lynn Borghese, Columbus
Karen Sue Boyce, Columbus
Karyl Renee Brown, Beavercreek
Kimberly Kay Byrd, Ashville
Lucian Danean Christian, Columbus
Melanie Brown Clinger, Worthington
Tamarack Robert Czarnik, Appleton, WI
Vernajeon Eggleston, Mt. Gilead
Kenneth Blaine England, Johnstown
Virginia Marie Everman, Maria Stein
Daniel Charles Fagan, Jr., Columbus
Stephen Michael Fidler, Mt. Gilead
Veronica Ann Finnegan, Shelby
Dorine Kay Firestone, Massillon
Luann Garcia, Canton
Nella B. Garrett, Bellefontaine
Shirley Smoyak Goldhaber, Columbus
Jennifer Ann Gully, Lebanon
Dwight W. Haskins, Marion
Kimberly Jo Haywood, Coshocton
Mary Elizabeth Hibbard, Canton
Elisabeth Leigh Hinckley, St. Albans, WV
Karen Ann Hopkins, Delaware
Cheryl Ann Hostetler, Plain City
Carol Ann Jimenez, Brecksville
Lorrinda Roxanne Kentner, Big Falls, MN
Jeannine King-Melchiorre, Columbus
Amelia Susan Kromer, Sandusky
Jenney Marie Kundert, Lima
Victoria Rue Lancaster, Brookpark
Jo Ellen Lane, Worthington
W. Glenn McCleese, Marion
Deborah Kay McLin, Rockbridge
Tamara Rene Mapp, Columbus
Sherry Lynn Mathias, Carroll
Michelle Lauren Mohr, Rocky River
Mindy Lou Mowrey, Granville
Mary Anne Mozina, Salem
Barbara R. Nauman, Marion
Lisa Jo Nelson, Pickerington
Yvonne Mae Osborne, Cleveland
Kimberly Ann Pahys, Avon
Cathy Rae Patterson, Granville
Johanna Lynn Pearl, Rockbridge
Jordan Alan Perlin, Warren
Karen Ann Presley, Kent
Brenda Marie Ridgeway, Cleveland
Gayle Marie Root, Columbus

Elaine Michele Savoca, Wooster
 Deborah Sue Schreiner-Ramey, Columbus
 Renee Christine Shonk, Columbus
 Delores O'Brien Siders, Rittman
 Laura Marie Smith, Chagrin Falls
 Sonja Renee Stechsulte, Findlay
 Constance Lou Stupelli, Waynesfield
 Denise Ann Sutter, St. Henry
 Linda Sue Teets, Hilliard
 Donna Tenenhaus, Columbus
 Kimberly Renee Toler, Zanesville
 Donna Marie Tooill, Lancaster
 Andrea Marie Tuscan, Canton
 Stephanie Anne Weeks, Chicago
 Paula Rose Wehrman, Wapakoneta
 Sharon Kay White, Columbus
 Patricia Ann Williams, Columbus
 Susan L. Williams, Mansfield
 Lauri Elizabeth Young, Uniontown

College of Veterinary Medicine

Dean: Ronald A. Wright

Doctor of Veterinary Medicine

James Joseph Ack, University Heights

Douglas Philip Allen, Ralston, NE

Nancy Lee Anderson, Lakewood

Brenda Ann Arth, Bay Village
 B.S.

Lisa Ann Baltes, Sandusky
 B.S.

Linda Marie Barone, Freehold, NJ
 B.S. (Virginia Polytechnic Institute &
 State University)

Frederic Blaine Bennett, Westerville
 B.S. (The Pennsylvania State University)

Bradley Kent Benson, Pender, NE
 B.S. (University of Nebraska)

David Paul Billig, St. Louisville
 B.A. (Hiram College)

Richard William Bink, Brecksville
 B.A. (Findlay College)

Debra Jane Bishop, Fairborn
 B.S. (Wright State University)

Michelle Alana Bishop, Gilmanston, NH

Timothy David Blocher, Canton
 B.S.

Sherrilyn Camille Brannon,
 Lexington, MA
 A.B. (Smith College)

Jill Ann Brown, Eaton
 B.S.

Mary Virginia Burns, Wheeling, WV

Theodore Neil Clark, Jr., Beaver
 Dams, NY
 B.A. (Hiram College)

Stanley Donald Dannemiller, Columbus
 B.S., M.S.

Deborah G. Day, Cincinnati
 B.S. (University of Cincinnati)

Thomas Kevin Day, Reynoldsburg
 B.S.

Gina Marie DeChant, Rocky River
 B.S.

Gregory Smith Dey, Allentown, NJ
 B.S. (Rutgers University)

Jorge Luis Diaz-Umpierre, Rio
 Piedras, PR
 D.V.M. (Universidad Nacional Pedro
 Henriquez Urena)

Stephanie Burk Diehl, Middletown
 B.A. (Miami University)

Andrew Discafani, Garfield, NJ
 B.S. (Montclair State College)

Beth Eileen Dobie, St. Marys
 B.A. (Miami University)

Michelle Ann Doyle, Marion
 B.S. (Ohio University)

David Alan Drake, Toledo
 B.S.

Jean Marie Duddy, Quincy, MA
 B.S.

Susan Mae Emans, Celina
 B.S.

Brenda Sue Evans, Burton
 B.S.

Jeanette Lynn Floss, Hilliard
 B.S.

Maria Del Carmen Garcia, Miami, FL
 B.S. (University of Dayton)

James Scott Gaynor, Akron
 B.A. (Colorado College)

Scott Alan Gearhart, Lima
 B.A. (Miami University)

Pamela Allison Green, Hollis, NH
 B.S.

Scott Kevin Greene, Sparks, NV
 B.S. (University of Nevada-Reno)

Mark Douglas Hagen, Orrville
 B.S.

Mark Eugene Hardesty, Wapakoneta
 B.S., M.S.

D. Scott Harmon, Youngstown

Dianna Lyn Harper, Scott Depot, WV
 B.S. (West Virginia University)

Rebecca Ann Hart, Berea
 B.S.

Kevin Keith Haussler, Doniphan, NE
 B.S. (University of Nebraska)

Sandra Lou Hickey, Wheeling, WV
 B.S. (West Virginia University)

Stephen Blane Jaffe, Canton
 B.S.

Sheila Walsh Jarasek, Cincinnati
 B.S. (University of Cincinnati)

Joan Suzette Jeffrey, Waverly, NE
 B.S. (Nebraska Wesleyan University)

Amy Elizabeth Johnson, Columbus
 B.S. (Ashland College)

Nikolay Kapustin, Canton
 B.A. (Walsh College)

Eileen Therese Kellner, Cleveland
 Heights
 B.S.

Kathryn Lyn Killian, Oxford

Wayne Alan Knapke, Batavia
 B.S. (Bowling Green State University)

Lori Ann Koenig, Chagrin Falls
 B.A. (Case Western Reserve University)

Rolland William Kramer, Stapleton, NE

James Loyd LaRue, Phoenix, AZ
 B.S. (University of Nebraska)

Sidney David Lehr, South Plainfield, NJ
 B.S. (University of Delaware)
 M.S. (Case Western Reserve University)

Teresa Ann Liberati, North Canton

Mark Liberto, Baltimore, MD
 B.S. (Towson State University)

Joyce Ann Login, West Caldwell, NJ
 B.S. (University of Massachusetts)

Bruce Charles Lowry, Whitehouse

Dena Marie Mangiamele, Oceanside, CA
B.A. (University of Nebraska)

Hilary Kay Matthews, Broadview Heights
B.A. (Wittenberg University)

Carla Sue Mayers, Bowling Green
B.S.

Lynn Anne McCarron, Kent
B.S. (Kent State University)

Susan Gloria Metz, Lorain

Debra Lee Mikulski, Sandusky
B.S.

Timothy Roderick Muench, Miamisburg

Lee Michael Nowac, Cleveland
B.S. (John Carroll University)

Terence Alan Olive, Riverside, NJ
B.S.

Karen Sue Osborn, Philo

Catherine Anne Palomar, Canton

Christopher Lusk Parfitt, Valley City
B.A. (Hiram College)

Ann Teresa Parker, Marion
B.S. (Ohio University)

Gregory Robert Parks, Tuscarora, NV
B.A. (University of California at Santa Cruz)

Paul Andrew Pifer, Sandusky
B.S. (Miami University)

Leslie Anne Polasky, Cincinnati
B.S., M.S. (University of Cincinnati)

Anita Kay Poling, Lancaster
B.S.

Phyllis Jo Polumbo, Tionesta, PA
B.S. (University of Pittsburgh)
M.S. (University of Oregon)

Linda G. Quodomine, Bloomfield, NJ
B.S. (University of Kentucky)

Jeffrey Dwayne Reiswig, Columbus
B.A. (Oberlin College)

Mary Ann Richmond, South Euclid

Philip Anthony Ries, Cincinnati
B.A. (Miami University)

Carrie Helene Robinson, Bloomingdale
B.S.

Bret Lyle Rochotte, Alvada
B.S. (Heidelberg College)

Tracey Elizabeth Rock, Sewickley, PA
B.S. (The Pennsylvania State University)

Susan L. Rogers, Akron
B.A. (Wells College)
M.S. (University of Akron)

William John Rueger, Jr., Plain City
B.S.

Ann Hunt Ryer, Ruxton, MD
B.S. (Bates College)

Ardonia Ellen Sams, Davisville, WV
B.S. (West Virginia University)

Suzanne Kay Schmitt, Port Clinton
B.S.

Carol Ann Schoyen, Painesville

Virginia Ann Scrivener, Hagerstown, MD

Urban Michael Seger, Minster

Inder Sehgal, Charleston, WV
B.S. (West Virginia University)

Scott Milton Siegel, South
Charleston, WV

Lester Blaushild Sills, Columbus
B.A. (Ithaca College)

Claudia Rea Sims, Warren
B.A. (University of North Carolina)

Neal James Sivula, Painesville

Tammie Lyn Smith, Columbus Grove
B.S.

Karen Ann Sokol, Dayton
B.S.

Michael Lee Sparling, Cadiz
B.S.

Jeffrey T. Speicher, Columbus
B.S.

Penny Sue Stalnakier, Chappel, NE

Michael Richard Stone, Oak Harbor
B.S.

Jack S. Tibbitts, Parma
B.S. (Bowling Green State University)

Karol Lynne Troyer, Columbus
B.S.

Wayne William Turner, Youngstown
B.S.

Lisa Marie Underwood, Columbus
B.S.

James Glendon Vance, Lorain
B.S. (Bowling Green State University)

Ted Phillip Vlahos, Columbus
B.S., M.S.

Margaret Louise Francis Vogt, Akron
B.S. (Rosemont College)

Mary Ann Vonderhaar, Cincinnati

Robert James von Seggern, Delta
B.S., M.S.

Susan Orbovich Wagner, Steubenville
B.S. (Carnegie-Mellon University)

Renee Rae Watters, South Euclid
B.S.

Ann Bigelow Weil, Littleton, NH
A.B. (Cornell University)
M.S. (University of Kentucky)

Mary Sue Welling, West Chester
B.S.

Robert John Wendell, Columbus
B.S., M.S.

Juli Anne Westfall, Pelham, NH
B.S. (University of New Hampshire)

Amy Jeanne White-Predieri, Cardington
B.S. (Purdue University)

David Gordon Whittington, Malvern
B.S. (Mount Union College)

Linda Maureen Wilmot, Silver
Spring, MD
B.S., M.S. (University of Maryland)

Sandra Kay Woolever, Pickerington
B.S.

Richard Allan Yokell, Fairborn

Glenn Anthony Yovino, Hopkinton, NH
B.S. (University of New Hampshire)

Michael Edward Zuccaro, Middleburg
Heights
B.S.

Joseph Charles Zulty, Baltimore, MD
B.A. (University of Maryland-Baltimore)

Graduates with Honors

Criteria for graduating with honors are as follows:

Summa Cum Laude designates those graduating in the top 3% of the class.

Cum Laude designates those graduating in the top 10% of the class.

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.

With University Honors designates those graduating with curricular distinction and dedication to high educational goals.

Summa Cum Laude with Honors in the Liberal Arts and with Distinction in Arabic

John Edward Hinton

Summa Cum Laude with Honors in the Liberal Arts and with Distinction in Chemistry

Corinne Elizabeth Lehmann
Gregory Adam Reichard

Summa Cum Laude with Honors in the Liberal Arts and with Distinction in History of Art

Catherine Cope Cupps

Summa Cum Laude with Honors in the Liberal Arts and with Distinction in International Studies

David Patrick Warner

Summa Cum Laude with Honors in the Liberal Arts and with Distinction in Mathematics

Michael A. Ulm

Summa Cum Laude with Honors in the Liberal Arts and with Distinction in Music

Sean William Ferguson

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

Patrick Jude Haney

Summa Cum Laude with Honors in the Liberal Arts and with Distinction in Psychology

Rebecca Lynn Galerston
Mary Jean Petron

Summa Cum Laude with Honors in the Liberal Arts and with Distinction in Speech and Hearing Science

Margaret Jones Dillon

Summa Cum Laude with Honors in the Liberal Arts and with Distinction in Zoology

David Charles Olson

Summa Cum Laude with Distinction in Accounting

Daniel James Finneran
Paul Edward Stebel

Summa Cum Laude with Distinction in Agricultural Economics

John G. Labine

Summa Cum Laude with Distinction in Animal Science

Eugene David DeBruin

Summa Cum Laude with Distinction in Biochemistry

Jane Ann Beebe

Summa Cum Laude with Distinction in Engineering Physics

Eric Robert Ulm

Summa Cum Laude with Distinction in Family Resource Management

Joellen Laurene Jannot

Summa Cum Laude with Distinction in History of Art

Christine Rose Mannix

Summa Cum Laude with Distinction in Mathematics

Gregory Morris Saunders

Summa Cum Laude with Distinction in Natural Resources Development

Vanessa Jeanne Steigerwald

Summa Cum Laude with Distinction in Pharmacy

John Edward Fedyna

Summa Cum Laude with Distinction in Physical Education

Janet Sue Fink

Summa Cum Laude with Distinction in Social Studies Education

Debra E. Heffner

Summa Cum Laude with Distinction in Sociology

Martha Elliott Brown

Summa Cum Laude with Distinction in Textiles and Clothing

Molly Anne Miller

Summa Cum Laude with Honors in the Liberal Arts

Daniel Aronowitz
Deanna Eileen Brusadin
Laura Ann Duren
Susan Ruth Facer
Andrew Galen Fox
Melody Lynn Hesse
Lisa Marie Joliat
Arthur Wesley Lewis
Susan Marie Luke
Cheryl Marie Mansky
Susan Marie Mathews
Redonda Gail Miller
Asma Mobin-Uddin
Lois Miriam Moon
Diana Dee Phillips
Susan Kay Pieper
Renee Aileen Schwartz
David Kenan Solacoff
Mark Charles Witte

Summa Cum Laude with University Honors

Mark Efthimios Juras
Geraldine Anne Sinatra

Summa Cum Laude

Kenneth Christopher Adkins
Jusuf Anwar
Gail Elizabeth Aznavorian
Pamela Kay Barnett
Robin Lynn Barr
Robert Fager Black III
Marie Angela Bondoc
Andrew W. Booker
Diana Lynn Borghese
Debra Lynn Boyer
Fian Ellen Brum
William Todd Burger
John Joseph Clifford
Mark Patrick Collins
Leesa Irene Comparin
Lisa Lynn Conant
Cynthia Leigh Cox
Elizabeth Susan Cypher
Tamarack Robert Czarnik
Steven John Decker
Jill Mary Dickey
Diane Marie Dierna
Betsy Kay Donahoe
Casey Devin Doyle
Michael J. Earley
Lynn Ann Ervin
Claire Louise Esmond
Cathy Ann Finafrock
Michele Dawne Flickinger
Andrew Galen Fox
Todd Eugene Freed
Jonathan Charles Glover
Shirley Smoyak Goldhaber
Bette Jean Hartschuh
Kimberly Jo Haywood
Jilaine Marie Henley
Karen Brown Hicks
Cheryl Ann Hostetler
Bradford Eugene Houser
Ethan Tyler James
Jane Eunha Kang
Dennis Michael Kolb
Nicholas Louis Kondoleon
Jacqueline Sue Lepley
Jack Chee Sheng Loh
Sherry Lynn Mathias
Timothy Lawrence McGarry
Layne Alison Meyer
Gregory Thomas Molnar
Kathleen J. Mooney
Deborah Christine Moroz
Mary Anne Mozina
Kandi Sue Myers
Mark A. Nebbergall
Heide Marie Newton
Jeffrey Curtis Oehler
Mary Catherine Oehler
Ashi Sarvabhaum Parikh
Amy Elizabeth Peacher
John Brady Phillips

Tracy Sue Pinnix
Si Alan Pitstick
Anita Kay Poling
Darin Daines Puppel
Gretchen Kay Raymond
Kelly Jo Richardson
Marsha Marie Rickly
Diane Thomas Rogers
Gayle Marie Root
Susan Jane Rosenberger
Kim A. Seeling
Dennis Joe Shank
Scott Michael Short
Dawn Slack
John Christopher Snyder
Patricia L. Snyder
Richard Alan Speech
Sharon Sue Starling
Kimberly Ann Stevenson
Mark P. Strosser
Denise Ann Sutter
Lori Cathleen Swartz-Reeder
John Pfeiffer Sweeney
Lisa Jean Swineford
Rebecca Lee Thomas
Blythe Grace Thomson
David Mario Tortorella
Wayne William Turner
Daniel William Umbach
Michael Louis Vild
Ann Bigelow Weil
Jonathan Sebastian White
Gerri Lynn Wilson
Mark Charles Witte
Fumi Yokota
Ka Cheong Yu

Cum Laude with Honors in the Liberal Arts and with Distinction in Chemistry

Stella Mei-Mei Sung

Cum Laude with Honors in the Liberal Arts and with Distinction in Geology

Tiffany Renée Gentry

Cum Laude with Honors in the Liberal Arts and with Distinction in Mathematics

Joseph Dolinak II

Cum Laude with Honors in the Liberal Arts and with Distinction in Psychology

Robert John Roman
Leann M. Stadlander

Cum Laude with Distinction in Accounting

Brian John Ballou
Jennifer Tracy Rose

Cum Laude with Distinction in Agricultural Economics

Robert Charles Berry

Cum Laude with Distinction in Agricultural Engineering

Charles Wayne Schalk

Cum Laude with Distinction in Animal Science

Timothy David Eppley

Cum Laude with Distinction in Architecture

Thomas John Popoff

Cum Laude with Distinction in Chemical Engineering

Jonathan J. Calderas
Julia Marie Courts

Cum Laude with Distinction in Chemistry

Susan Ransohoff

Cum Laude with Distinction in Dance

Jacqueline Mary Collins

Cum Laude with Distinction in Electrical Engineering

Samuel Kelley Hammel

Cum Laude with Distinction in Forest Resource Management

Timothy James Riegel

Cum Laude with Distinction in Marketing

Sunil Sabharwal

Cum Laude with Distinction in Mechanical Engineering

John Brooks Alford

Cum Laude with Distinction in Pharmacy

Lisa Ann Porter
Cheryl Lynn Rearick
John Alexander Sunyecz

Cum Laude with Distinction in Physical Therapy

Linda Ann Corrn

Cum Laude with Distinction in Psychology

Roberta Sue Seldman

Cum Laude with Distinction in Speech and Hearing Science

Cathy S. Saltkield

Cum Laude with Distinction in Textiles and Clothing

Kristin Joy Uhl

Cum Laude with Distinction in Wildlife Management

David Eric Sherman

Cum Laude with Honors in the Liberal Arts

Constance Curren
Lynne Ann Fiala
Stephanie Anne Gettys
Christine Marie Herridge
Kerry Lee Mattingly
Kathleen Ann McCabe
Mary Margaret McPeck
Cathleen Mae Olsen
Anne Margaret Sykes
Nicholas Thurn
Laura Grace VanArsdale
Jennifer Marie Wilcox
Zeus John Yiamouyiannis
Lisa Ann Youngblood

Cum Laude with University Honors

Patrick Brian Baumle
Kevin Eric Beato
Eric Harlan Berko
Joseph William Bettinger

Deepak Kumar Bhatia
Randolph Jay Cordle
Francine Laura Cosner
Ben Burris Creighton
Robert Keith Goldberg
Lynn Lemar Hamilton
Thomas John Henderson
Christopher Allen Ito
Neovi Michael Karakatsanis
Mahmood Karbasi-Amel
Richard Lynn Neighbarger
Donald Kenneth Perry
Robert Price Perry
Jeff E. Roan
Randy L. Sanders
Harold Keith Sauter
Mark Paul Schnaible
Steven Eric Schupbach
Russell Alan Simmons
David Alan Tonnies
Lauren Elizabeth Weiss
Robert Alan Zimmerman

With Honors in the Liberal Arts and with Distinction in Computer and Information Science

David Andrew Guralnick

With Honors in the Liberal Arts and with Distinction in English

Sally L. Davis

With Honors in the Liberal Arts and with Distinction in Photography and Cinema

Andrea Virginia Macioce

With Distinction in Ancient History and Classics

Elizabeth Lynne Beavers

With Distinction in Architecture

Patrick Thomas Kelly

With Distinction in Art

Donald Odili Oditia

With Distinction in Chemical Engineering

Todd Kevin Pencarinha

With Distinction in Elementary Education

Ann Beth Dolan

With Distinction in German

Jeffrey Stuart White

With Distinction in International Studies

Kimberly Kaye Richards

With Distinction in Mechanical Engineering

William John Fosnight

With Distinction in Natural Resources Development

Peter Norman Johnson
Ilene Stephanie Zeff

With Distinction in Pharmacy

Pammi Jo Phillips

With Distinction in Physical Therapy

Maria Dinovo

With Distinction in Psychology

William Christopher Suren

With Distinction in Wildlife Management

Craig Allen Davis

With Honors in the Liberal Arts

Froukje Margaret Beynen
Mary Beth Breckenridge
Scott Allen Brown
Lisa Jeannette Carlin
Laura Lynn Curtis
Anne-Marie del Giudice
Lisa Ann Dewire
Emily Bouic Engle
Sylvia Eleny Fronista
Priscilla L. Hapner
Lisa Marie Hirsch
Zoltan Ferenc Kanyo
Deborah Lynne McNinch
Cynthia Elizabeth Miller

Anthony Abrillo Moraleja
Karen Sue Quigley
Frank James Reed, Jr.
Sloan Eric Rubin
Michael Lawrence Waxman
Patricia Ellen Young

With University Honors

Robert G. Blanke
Larean Denise Brandon
Phyllis Renee Daniels
Constance Lou Stupelli
Russell Melinda Thackery
Julia Marie Wiant
Patricia Ann Williams
Angela Mahan Yeldell

Cum Laude

Mark Ellis Aebi
Caren Sue Albers
Michael Todd Allen
Sherry Elizabeth Altizer
Nancy Lee Anderson
Timothy Lee Arndts
Michael Todd Arrigo
Benjamin Dean Babcock
Jeffery Alan Bahnsen
Patricia A. Bainter
Chandra Sue Baldwin
Susan Kay Brittain Banbury
Linda Marie Barone
Sharon Lee Beets
Frederic Blaine Bennett
Victoria Lynn Benton
Darlene Marie Berres
Chirag H. Bhatt
Jana Joan Blamble
Andrew Brian Bokor
Deborah Ann Bonarrigo
Gregory Allen Bonnell
Kathleen Annette Borchers
Patricia Jones Bornheim
Sheryl Lynn Bowling
Laurel Nikki Bravo
Laura Marie Brechbill
Casey Jay Bricker
Annette Laraine Brough
Nancy Lee Brower
Deanna Eileen Brusadin
Dennis Lynn Buehler
William Bruce Bunn
Kevin Scott Burdette
Duane Allen Burks
Michael Gregory Burns
Paul Andrew Butrey
Michelle Lynn Callahan
Karen Jo Carpenter
Jeffrey Bernard Casamento
Evelyn Leora Cassell
Bruce Edward Chapa
William Yu-Wei Chen
Terence Singwa Chim
Mary Catherine Chojnacki
Yew Leong Choong
Mark Joseph Christel

Jan Susan Claggett
David Eugene Clarke
Johann Joseph Comprix
Karen Colleen Conlin
Catherine Louise Copich
Melinda Kay Corwin
Thomas Anthony Cullinane
David James Cunningham
Jennifer Jo Dale
Timothy Robert Daughenbaugh
Julie Ann Davis
William Jay Decker
Mary Margaret Devitt
Beth Ann Dible
Suzanne Renee Doinoff
Timothy Adam Doyle
Nancy Michelle Dragan
Paul Henry Dreyfuss
Jennifer Sue Duff
Gregory Edward Dykes
Laura Kathryn Dykes
Mark E. Easterday
Douglas Wade Eaton
Marsha Kay Erickson
Lisa Lynne Evans
Lynn Mitchell Exline
Anne Marie Fay
Ruth Ann Feldman
Rebecca Ruth Ferris
Lisa Kay Finney
Sandra Kay Flanigan
Jill Annette Fockier
Lowell Arick Forrest
Susan M. Fosselman
Kimberly Ann Fullman
Kelly Sue Gabriel
Julie Ann Gafford
Carolyn Marie Gaines
Joanne Lynn Gamnes
Robert David Garland
Steven Paul Garn
Christine Marie Geers
Cheryl Lynn Geiger
Louis Raymond Gibb
Diane Ruth Glimcher
Katherine Elizabeth Glowacki
Linda Jean Goettmoeller
Pamela Goines
Kimberly DeLynne Goodwin
Geoffrey Lawrence Gordon
Pamela Jean Graber
Bradley Jay Greenberg
Ann Marie Greenwald
Daniel Wesley Grinstead
David Charles Gross
Jennifer Ann Gullely
Dannene Sue Haas
Craig Allen Hackworth
Rebecca Ann Hart
Holly Anne Hartman
Patricia Ann Hartmann
Marcia Sue Hayes
Wayne Steven Heiler
Donna Kristen Heisler
Thomas John Henderson
Denise Janette Hergatt
Mary Elizabeth Hibbard
Barbara Ann Hickey
Linda Kay Hiltz

Jong Chul Hoh
Lisa Ann Holpitt
Ruth Anne Inglis-Hirsch
Mark Warren Isakowitz
Richard Victor Jacko
Deborah Ann Janki
Sheila Walsh Jarasek
Kathleen Mae Jeffery
Julianne Jenkins
Martin David Jenkins II
Daniel Jizhar
Kathy Lynn Jochum
Matthew Stephen Johnson
Vicki Lee Johnson
Peter Kevin Kageyama
Panagiotis George Kakaletris
Lori Ellen Katz
Ing Chuan Kau
Mary Karen Keber
Craig Douglas Kelley
Douglas Stephen Kilmer
Julie Rae Kimmel
Martha Jean Kirner
James John Klocinski
Catherine Marie Knox
Tammy Kay Kornja
Michele Ann Kraynak
David Charles Kritz
Jeffery Alan Krol
Kyra Ann Kurtz
Dijana Kuzarevski
Julie Ann Landholt
Rebecca Ruth LaRoe
Darlene Marie Lebens
James Alfred Lesti
Seth D. Leventhal
Barry Ira Levy
Teresa Ann Liberati
AnneMarie Loftus
Jeffery R. Lohmeyer
Glenn Allen Loomis
Chin Wah Low
Troy Luther Luke
Traci Lenee Lutz
Ronald Frank Maceyko
Kathleen Helen Markham
James Craven Martin, Jr.
Christopher John Matlock
Hilary Kay Matthews
Theodore Pete Mattis
Kimberly Ann Mayer
Elizabeth Ann Mazza
Shelley Lynn McBean
W. Glenn McCleese
Steve Edward McKee
Daniel Scott Merker
Brian Keith Mexicott
Nannette Lynn Meyers
Amy J. Miller
Robert Louis Miller
Braden Kent Moll
Brian Keith Moll
Victor Linn Mollett
Deborah Jo Moore
Deborah Marie Morgan
David John Mosbacher
Adam Nathan Moskowitz
John Steven Mulhollan
Sheryl Ann Mulne-Derrow

Roger James Myers
Koji Nagai
Helen Ann Napier
Robin Lee Nesbitt
Michele Louise Noel
Susan Rose Ogrinc
Yeong-Cheol Oh
Mercedes Maria Olivera
Gregory Robert Parks
Deborah Lynne Patterson
Maryann Elizabeth Payne
Rhonda Sue Peters
Jeffrey Alan Peterson
Colleen Marie Pinkelman
Diane Sue Pollock
Judith Lynne Portwood
Susan Lynn Potter
Robin D. Powell
Karen Ann Presley
Frances Claire Quinn
Eydie Anne Radugge
Christine Marie Rankin
Heather Chapin Reed
Jeffrey Dwayne Reiswig
Richard Allan Repp
Anthony Paul Restuccio
Karen Rene Richards
Barbara Williams Ritchie
Joseph Reid Ritchie
Laura Anne Ritzman
Jane Leanne Roberts
Francis Howard Rogers III
Lori Lynn Rogers
Bonita Lynn Rolletta
William John Rueger, Jr.
Suzanne Russo
Jeffrey A. Salisbury
Ralph Christian Samlowski
Catherine Ann Schilling
Mark Everett Schmidt
Shirley J. Schneppe
William Steven Schreiner
Anne Marie Schulte
Ronald Roy Schweiger
Teresa Jane Scott
Urban Michael Seger
James Paul Shaffer
Daniel David Shellenbarger
Christine Ann Shepherd
Shawn Douglas Sheridan
Kaya Shih
Renee Christine Shonk
Sandra Catherine Shrader
John Ebin Simpson, Jr.
Steven Wayne Smith
Kristin Carson Smithberger
Vicki Lynn Snider
George Chris Soulas
George Andrew Souris
Cynthia Sedor Spicker
Carl Alan Spurbeck
Brian Ray Stahl
Jaylyn Marie Stahl
Michelle Marie Stanford
Stacey Ann Stipkovich
Laura Frances Stock
Tonda Kay Strouble
Theodore Joseph Stumphauer
Kwang I. Suh

Martha Priscilla Sulser
Matthew John Tagliaferri
Roger Cheong Ling Tai
Eric Michael Tallan
Thomas L. Teater
Timothy Earl Thetford
Mark Anthony Thomas
Nathan David Thomas
Cindy Ogle Thompson
Ross Alan Timmons
Christopher John Tomko
Sandra Lou Treadway
Steve A. Turner
Marshall Lee VanDeWalle
Tim Christopher Veliky
Michael Hung Vo
James Edward Volk
Rena Marie Wellman
Timothy Gerard Wenning
David Alexander Whitcomb
Cynthia Ruth White
Sharon Kay White
Stephen Allan White
John Anthony Wiener
Kathryn Patricia Wilcox
Paula Helene Windle
Susan Michelle Winslow
Deborah Ann Winter
Cameron Dwight Wright
Linda Arlene Wright
Victorea Danene Wright
Blyth Marie Wurth
Scott Daniel Zehnal
Renee Marie Zelis
Dina Zinni
Christian Aaron Zorman
Joseph Charles Zulty

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THE OHIO STATE UNIVERSITY
OFFICIAL PROCEEDINGS OF THE
ONE THOUSAND TWO HUNDRED AND FORTY-SECOND MEETING
OF THE BOARD OF TRUSTEES

Columbus, Ohio, June 2 and 3, 1988

The Board of Trustees met at its regular monthly meeting on Thursday, June 2, and Friday, June 3, 1988, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, pursuant to adjournment.

* * *
Minutes of the last meeting were approved.
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June 2 and 3, 1988 meeting, Board of Trustees

The Chairman, Mr. Immke, called the meeting of the Board of Trustees to order on June 2, 1988, at 6:00 p.m. He requested the Secretary to call the roll.

Present: Leonard J. Immke, Chairman, John W. Berry, Shirley D. Bowser, Hamilton J. Teaford, John J. Barone, Deborah E. Casto, John W. Kessler, Milton A. Wolf, and Leslie H. Wexner.

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COMMITTEE APPOINTMENTS 1988-89

Resolution No. 88-130

WHEREAS the appointments to Committees and representatives to the Research Foundation Board of Directors, the Development Fund Board of Directors, the Inter-University Council, the University Hospitals Board, the University Foundation Board of Directors, and the Ohio State University Affiliates, Inc., Board of Directors for 1988-89 are as follows:

Educational Affairs Committee	Deborah E. Casto, Chairman Hamilton J. Teaford, Vice Chairman Milton A. Wolf Student Trustee
Fiscal Affairs Committee	John W. Kessler, Chairman John W. Berry, Vice Chairman Shirley D. Bowser
Standing Committee on Agricultural Affairs	Hamilton J. Teaford, Chairman Steven D. Maurer, Vice Chairman, Ex Officio John J. Barone
Student Affairs Committee	Milton A. Wolf, Chairman Deborah E. Casto, Vice Chairman Leslie H. Wexner Student Trustee
Personnel Committee	Leonard J. Immke, Chairman John W. Berry, Vice Chairman Shirley D. Bowser
Development Fund Board of Directors	John W. Kessler (1987-89) Milton A. Wolf (1987-89)
Inter-University Council	Leslie H. Wexner
Research Foundation Board of Directors	John J. Barone (1987-90)
University Hospitals Board	Shirley D. Bowser Hamilton J. Teaford
University Foundation Board of Directors	Leonard J. Immke Hamilton J. Teaford*

*Executive Committee

June 2 and 3, 1988 meeting, Board of Trustees

COMMITTEE APPOINTMENTS 1988-89 (contd)

Ohio State University Affiliates,
Inc.

Leonard J. Immke (term 1 year)
John W. Berry (term 2 years)
Shirley D. Bowser (term 3 years)

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, the University Hospitals Board, the University Foundation Board of Directors, and the Ohio State University Affiliates, Inc., Board of Directors for 1988-89 are hereby ratified and confirmed.

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

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The meeting recessed into Executive Session for the purpose of considering legal issues and personnel actions as follows: faculty/staff appointments and reappointments, resignations and terminations, leaves of absence without salary, professional improvement leaves, promotions/tenure, emeritus titles, and medical staff appointments.

Upon motion of Mr. Teaford, seconded by Mr. Barone.

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Mr. Immke reconvened the meeting on June 3, 1988, at 10:05 a.m.

Present: Leonard J. Immke, Chairman, John W. Berry, Shirley D. Bowser, Hamilton J. Teaford, John J. Barone, Deborah E. Casto, Milton A. Wolf, and Leslie H. Wexner.

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INTRODUCTION OF LESLIE H. WEXNER

Mr. Immke introduced the new member of the Board of Trustees:

I am pleased to have the opportunity to officially welcome Les Wexner as the newest member of The Ohio State University Board of Trustees. Mr. Wexner is very familiar to the Ohio State family through his work with The Ohio State University Foundation, as a speaker at commencement, and as a benefactor of the arts on campus. He is the founder, President, and Chairman of the Board of The Limited, Inc., which operates 3,200 stores and mail order divisions. Les has been extremely productive in civic, charitable, and corporate activities across the country and he will be, I am sure, an asset to our Board. Please join me in welcoming Les Wexner as a Trustee.

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June 2 and 3, 1988 meeting, Board of Trustees

Mr. Immke:

Dr. Brand would you introduce Andrea Lunsford, Professor in the Department of English, who will make a presentation to the Board?

Dr. Brand:

My pleasure, Mr. Chairman. As you know, we are engaged in a major curriculum review and reform. We are looking at the entire undergraduate experience from the core or basic education courses through the majors, through the support and delivery systems. One of our major changes will be an increase in the requirements in writing and communication courses. Indeed, we are tripling that -- if the proposal passes the faculty -- we are proposing to triple it for all students. We are asking not only the English Department to assume a part of the instructional load, but the individual units as well so that students will obtain writing experiences in their major programs and in their areas of interest, as well as basic composition courses.

In order to carry out this significant increase in writing skills instruction, Professor Andrea Lunsford, who is Vice Chair of the Composition and Rhetoric Department in English, has been working with faculty members in other colleges. Professor Lunsford came to Ohio State last year from the University of British Columbia. She is a national leader in writing instruction movements -- she has two books in press now, for example. In addition, she chairs the National Conference on Composition Writing in Colleges. I am also proud to say that she is an Ohio State Ph.D. in 1977. Professor Lunsford will relate one experience she is having right now in working with the College of Agriculture in developing writing instruction within that College. It is a very exciting program, very successful, and something we can certainly be proud of. Professor Lunsford if you would --

Dr. Andrea A. Lunsford:

I have with me this morning Professor Carl Zulauf from Agricultural Economics, who is going to talk a little about his part of the program as well. Thank you, for that introduction Myles. With all this talk about Buckeyes, I think that I am a real "super Buckeye." I was lecturing in England a couple of years ago and in a really interesting interpretation of my C.V., I was introduced, to my alarm, as the first person to graduate from Ohio State University. The original Buckeye, and with my gray hairs I can speak with great authority on all topics having to do with OSU.

I am, of course, delighted to speak to this body today about my special interest, which is writing in all of its aspects across the University curriculum. As you know, the country is awash in stories of the illiteracy of American youth and problems with writing throughout the country and especially in the public schools. The Appleby Stanford Study of a few years ago revealed that in spite of some real improvements in public schools we still could only count on any student in high school spending about four minutes a day in actual writing. This was a surprise to some and not so much a surprise to others. In report

June 2 and 3, 1988 meeting, Board of Trustees

Dr. Lunsford: (contd)

after report, like A Nation at Risk and many other commission reports, we have heard calls for a renewed interest in and increased emphasis on writing throughout the grade levels.

Well why are people so exercised about writing? Why are we so interested in this subject at Ohio State University? I think first of all because writing is not simply a matter of dotting our "i's" or getting our commas in the right places. Those activities are important, of course; they allow us to be better understood by people. But they are really a very, very small part of what writing entails. The larger part of writing entails creating a conceptual framework and then sustaining a sophisticated line of reasoning within that conceptual framework. That is the hard and big part of writing. And it is the definition of writing that people like Gene Fowler have in mind when they say, "Oh, writing is easy, all you do is sit staring a blank piece of paper until drops of blood start to form on your forehead." I have been in that position myself only recently. So perhaps writing is one of the most intellectually challenging acts possible -- it's obvious, of course, that I think it is.

Still, why is it so important to learning, let's say in a field like agriculture? Why have a Learning Through Writing Project at all, especially -- and I want to emphasize this -- since writing is very, very labor and time intensive? You can not teach writing, just as you could not coach football with one coach and seven hundred players; neither can you teach writing with one teacher and six or seven hundred students. It is very time and labor intensive. Well, I want to give three brief answers to that question and then just talk very briefly about the Learning Through Writing Project in Agriculture.

My first answer to the question, "Why is writing important to agriculture?" comes from evidence from the professional work place. To present to you only one small piece of evidence, a five-year study of ten professions in the United States found that members of those professions -- and these were professions as varied as chemists, consulting engineers, chief executive officers, and city managers, a very broad spectrum of professions in the United States -- not only spent between 40% and 50% of their time in some kind of writing or writing related activity, but that they ranked writing as most important in understanding the new information related to their profession and as most important in getting ahead in that profession. They also reminded us that writing skills are developed over a lifetime. If we could only just inoculate students as they came through the doors and say, "here is your dose of writing and now you will be a good writer." And they reminded us that skills in writing are not easily transferred from one field to another. So that if I had to go to work in President Jennings's office next week, although I am a pretty strong writer, I would have a lot of learning to do to be able to do the kind of writing that President Jennings's office would demand of me. Or if I decided to go into law, again, I might be a very strong writer, but I would have a lot of learning to do. So skills in writing develop

June 2 and 3, 1988 meeting, Board of Trustees

Dr. Lunsford: (contd)

over a lifetime and change from one field to another. At least we hope they develop over the lifetime. I was thinking of one of Ohio State's famous students, James Thurber, who, approaching the age of sixty, said that he thought he could detect inflammation of the sentence structure and hardening of the paragraphs as he approached sixty. Of course, you can look at his writing and see that that was not the case.

For my second answer to the question, "Why use writing to learn material in agriculture?" comes from studies of learners. These studies also corroborate the evidence provided by professionals on the job. Now I won't get on my favorite hobby horse about learning theory or harangue you about that. Let me just summarize by saying that research in artificial intelligence and in cognitive studies is beginning to map the territory of memory, which is, of course, instrumental to all of writing and to all of learning. The researchers are finding that writing is very closely tied to memory. There are, of course, historical reasons for this in the west. The Ohio State University's Brain Behavioral Lab which is, as far as I know, unique in higher education in this country, is exploring those relationships and studying the ways that the cognitive and social aspects of writing work to embed information in our neural pathways and to embed strategies for problem solving in those pathways as well. I think this sounds kind of formidable, but we all know what the artificial intelligence researchers are talking about. If we really want to figure something out, if we work through it in writing, we will know it in a way that we don't know it in any other way. I take it, in my very limited understanding, that that is what these people are studying.

Well, my third and final answer to the question, "Why we should use writing to learn material in agriculture?" comes from demographic information which I think urges us to connect writing to learning throughout the school years, including and perhaps particularly in the college years. Recent information from the Department of Labor presents us with some pretty startling pieces of information about our changing population and our changing student body. For instance, starting in September, thirty percent of the first graders in urban areas will be the first born of parents who dropped out of school for pregnancy -- thirty percent of the first graders. Those are children that will not come to school with much of a background in writing. Fifty percent of our population will soon have English as a second language, that is going to present us with some real challenges. Children, of course we know this already, spend upwards of forty hours a week watching television. And this is my favorite statistic from the Labor Department -- ninety-three percent of the American families do not match the norm for American families. So we have a seven percent norm -- that is to say families with two parents, and with one parent around to do some talking, reading, and writing with the child before the child comes to school.

Well such figures graphically demonstrate that the schools alone can no longer rely on traditional institutions to link writing

June 2 and 3, 1988 meeting, Board of Trustees

Dr. Lunsford: (contd)

and learning -- the family, for instance, the church, or even large social institutions like the Boy and Girl Scouts. And I want to tell you if you can remember being in the Scouts, you did a lot of writing to get those badges. Those institutional supports are not as helpful to us as they once were. Still, we know for sure that facility in writing, or what the researchers call literate behavior, is an essential ingredient to learning. So in the face of such answers and such pieces of demographic information, what is a great land-grant, multiversity like Ohio State to do?

Well, I think we can begin to pick up the ball, to run with it, to take the initiative ourselves in linking writing and learning throughout our college years as forcefully and rigorously as we possibly can. It is entirely appropriate in this regard that the College of Agriculture, so closely identified with all of Ohio State and traditionally so dedicated to excellence in education for undergraduates and graduates, takes the lead in such a bold endeavor, and so the Learning Through Writing Project was born. I have distributed to you a one-page description of the goals of that project. The agriculture faculty quickly grasped the implications of the curricular review we have conducted under Provost Brand's direction and they also quickly grasped the importance of writing in the revision in the curriculum. So they proposed an experimental project designed to integrate writing more fully into their curriculum right across-the-board. This they have done, following their fine proposal with a very elegant research design and then implemented that design this quarter with rigor and enthusiasm. A core group of instructors redesigned their courses to integrate writing more fully into the whole course. A systematic evaluation of that program has gone on throughout the quarter and, in fact, tomorrow morning at 9:00 we will gather with the agricultural faculty to read pieces of writing that the students produced at the end of the quarter, compared to pieces of writing that the students produced at the beginning of the quarter. So we will have some very hard information about what changes occurred in writing over the course of this term with writing intensive activities imbedded in the courses. We don't have that information today to share with you, but some of the teacher evaluations of the program and the student evaluations are in.

I would like to conclude my remarks by quoting from one of the student evaluations of a class in which a particular kind of writing assignment had been introduced. On a 3 x 5 card the students were asked to write a mini-essay of what had gone on in their reading assignments and class discussions for the week. They had to do this all the time, quite regularly. You can imagine when this was announced in this particular class that many of the students probably felt as a lot of these students did. I have five pages here of comments from the students about the series of assignments that they didn't really warm up to at the first announcement. But many of the responses are very similar to the one that I will read to you now: "I believe that this idea of using file cards to judge the length of writing assignments is an excellent one. You needed (you being the

June 2 and 3, 1988 meeting, Board of Trustees

Dr. Lunsford: (contd)

teacher) a way to verify that the class was understanding the material." Of course that is one of the values of writing for the teacher, you can tell whether the student "gets it" or not. "The assignments were long enough to encourage creative thinking on our part, but they were short enough to prevent one from being dragged down by the assignment. I am not keen on writing assignments in general, but these were actually helpful," the student says. "I believe you have a good idea here and I will continue to use it. And, finally, I hate to say this, but these assignments were almost fun."

If we can get students to say writing assignments are almost fun, I think we will have succeeded in our endeavors. I would like to turn to Professor Zulauf, now, for a few words about the professorial part of this project. And, of course, we would be happy to answer any questions that you might have. Thank you, very much for letting me come here this morning.

Professor Carl R. Zulauf:

Thank you, Andrea. It is my pleasure to be here today and to follow-up on Andrea's introduction. I would just like to make a couple of observations about this program. I became interested in writing because I kept hearing from potential employers of students how writing, and communication in general, was so important to them. And how, in their view, the educational system was letting them down. They were having to spend a lot of time retraining writing and communication skills. I have a couple of observations on the proposal itself. First of all, it has been very helpful to be with faculty in the College who are committed to writing and to hear the diversity of ways of incorporating writing into one's course. Andrea has touched on one, another professor has rediscovered and reemphasized essay take home exams and grading them on the holistic style of writing, as opposed to subject matter; another is emphasizing term papers; another one that I am using is a congressional writing style -- one page, briefing paper for a representative or senator. Students have found it to be very useful, very helpful, and informative, as well as improving writing skills.

Dr. Lunsford:

Fun?

Professor Zulauf:

Fun, to a point. And, finally, I would like to say that the access to Andrea has been very helpful. To get a professional view from someone other than just subject matter discipline and outside your subject matter has been very useful. She has presented a lot of ideas -- some I've excepted, some I have not, but a lot of ideas for consideration that has broadened appreciation for writing. This holistic view of writing is something I was always leaning to, but could never conceptualize. It has been very useful to experience this assignment. I could not commend it highly enough, so I thank you very much.

June 2 and 3, 1988 meeting, Board of Trustees

Mrs. Bowser:

Am I permitted a personal comment?

President Jennings:

Yes, please.

Mrs. Bowser:

My father, who also served on the Board of Trustees, came to Ohio State in 1925 and, came to be recognized in the State of Ohio as quite an agriculturalist. He came and majored in English in the Arts College. His father felt that agriculture was something that he could learn at home, but that he needed to know how to speak and write in order to promote the agriculture that he knew. And so it delights me to see the College of Agriculture associated with this writing project.

Dr. Lunsford:

Well, they are the first.

Mrs. Bowser:

Well, they are first in my heart, too.

Dr. Lunsford:

Thank you, again.

Dr. Brand:

Mr. Chairman, may I make some concluding remarks? I want to complement Andrea, as well as the faculty members in the College of Agriculture.

We are moving past the kind of fragmentation that often infects a large institution. The cooperative efforts between the Arts and Sciences and the professional schools is clearly the direction that we are going to have to follow. I fully believe that Ohio State is leading the way nationally on this. When we look at the large universities, particularly the land-grant institutions that have the full range of activities that we have, it is only by taking advantage of that full range and collaborating amongst ourselves that we will have a true comparative advantage nationally. So, I see this as part of a larger effort and, again, I must complement all those who participated in this.

Mr. Immke:

Thank you, Myles.

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Mr. Immke:

I would like to call on Mr. Barone to make the committee report for the Research Foundation.

June 2 and 3, 1988 meeting, Board of Trustees

Mr. Barone:

Thank you, Mr. Chairman. Members, I would like to give the report of what occurred at our meeting yesterday morning at the Faculty Club.

Research Foundation grants and contracts for the month of April 1988 are shown in the Board Agenda book. I would suggest to the Members to go through those, they are part of the agenda and are itemized there. There are 116 awards listed which provide a gross income of \$7.5 million.

For the first ten months of the fiscal year (July 1, 1987 to April 30, 1988) we received 1,012 awards with a gross income of \$83.5 million. Last year at this time we had 900 awards with a gross income of \$71.6 million. This represents a 16 1/2 percent increase in funding for the ten month period. I believe this is the greatest ever for the Research Foundation.

Industrial funding increased significantly this month. Notable increases were also received from the National Science Foundation and the Department of Health and Human Services for the month of April 1988.

Some highlights of awards for April are:

- * \$278,542 award from the National Cancer Institute to the Department of Internal Medicine, for continuation of research into improved methods of treating cancer.
- * \$173,685 award from the National Institute of Health to the College of Nursing to determine the effects of an exercise training program with cancer patients.
- * \$45,000 award from the U.S. Department of Education to the Department of Slavic and East European Languages and Literatures to establish an Ohio State-Purdue University Russian Language Program at the Pushkin Institute in Moscow, USSR.

I think with President Regan's visit to Moscow, if anybody saw that, they could see the importance of being able to speak Russian. And the number of Russians that were able to speak English so fluently was amazing. I think this, in turn, should be very beneficial because it will teach the language, in Moscow.

I think we should thank Shirley for this next one --

- * \$50,000 award from the Kellogg Foundation to the Cooperative Extension Service, to promote family community leadership.

Thank you, Shirley. That completes my report; however, I would like to ad-lib on one of the facts that we discussed at length yesterday -- and Weldon can testify to that and that is to the fact -- we have a Research Foundation that brings in approximately \$100 million a year and it is in a building that most of the employees there and anyone that sees it would think it is rather shabby. It needs a lot of remodeling and a lot of

June 2 and 3, 1988 meeting, Board of Trustees

Mr. Barone: (contd)

repairing. I just can't feel that any organization that brings in \$100 million -- we should make some effort to better the working conditions, number one. And secondly, I think the award people who see the building would -- I would say that is very poor salesmanship to have something in such disrepair. I would like to have the Board think about this and have Weldon, with the help of Mr. Jackson, to see if we can better the working conditions and the facilities of the Research Foundation. Thank you.

Mr. Immke:

Thank you, Mr. Barone. Mrs. Bowser, Hospitals Board Report --

Mrs. Bowser:

Yes. The Hospitals Board's Executive Committee met last Thursday and welcomed Joel Teaford who is the new member from the Trustees. We reviewed the Hospitals' proposed budget and heard updated reports on the progress of MedOhio physician recruitment.

A Cancer Hospital report was provided by Dr. David Schuller who shared with the members present a revised equipment list identifying major pieces of equipment yet to be funded for the operation of the Research Institute. These requests included the purchase of a cyclotron, PET scanner, a microtron, as well as additional operating rooms and computer hardware. The total amount comes to \$10 million. It is anticipated that these needs will be reviewed with the President and that development dollars will be utilized to purchase the equipment. In addition, Dr. Schuller shared a new draft of an organization chart depicting the administrative reporting relationships of the Cancer Hospital. Though there are some differences of opinion on the proposed structure, it is anticipated that these will be worked out and brought back to the Hospitals Board for their consideration. Many of the recommendations made were to assist the Hospital in its application for an exemption from the Medicare DRG system. In this way, additional revenues can be generated for the Hospitals.

Insofar as the Hospitals budget proposal is concerned, the Hospitals propose to generate 28,645 admissions and revenues of \$230 million. It is anticipated that an 8% rate adjustment will be made. Expenses are projected to be approximately \$214 million. The details associated with this budget can be provided to you by Mr. Covert or Mr. Ihrig. After extensive review by the Operations and Executive Committees of the Board, this budget is recommended to the President and the Board of Trustees for their approval as part of the total budget package of the University.

There being no other major business, the Board adjourned its official meeting so that it could hear a presentation on the Hospitals' proposed fund raising efforts for the future. I submit this report.

June 2 and 3, 1988 meeting, Board of Trustees

Mr. Immke:

Thank you, Mrs. Bowser. Any questions? That completes our committee reports for this month.

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RENAMING OF SCHOOL

Resolution No. 88-131

Synopsis: A proposal to change the name of the School of Public Administration to the School of Public Policy and Management is recommended.

WHEREAS the proposed name change of the School of Public Administration to the School of Public Policy and Management has the unanimous support of the faculty in the School, the faculty in the College of Business, and the Council on Academic Affairs; and

WHEREAS the proposed name more accurately reflects the teaching and research missions of the School and describes the scope of its programs; and

WHEREAS the University Senate approved the renaming of the School of Public Administration on May 7, 1988:

NOW THEREFORE

BE IT RESOLVED, That the proposal to change the name of the School of Public Administration to the School of Public Policy and Management, effective January 1, 1989, is hereby approved.

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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AMENDMENTS TO THE RULES OF THE UNIVERSITY FACULTY

Resolution No. 88-132

Synopsis: Amendments to rules 3335-7-15 and 3335-9-22 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 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 May 7, 1988, as follows:

June 2 and 3, 1988 meeting, Board of Trustees

AMENDMENTS TO THE RULES OF THE UNIVERSITY FACULTY (contd)

AMENDED RULES

3335-7-15 Changes of schedules.

- (A) No instructor shall change the hour or place of meeting of any class to which a student has been assigned except with the approval of the office of the university registrar.
- (B) Instructors who deviate from regular university schedules by holding special sessions or examinations must have received approval from their department chairperson, regional campus dean and director or college dean to hold such special sessions or examinations. Such instructors shall accommodate students who may have conflicts because of required attendance in regularly scheduled classes. This rule does not apply to policies for the scheduling of final examinations which are provided in rule 3335-7-20 of the Administrative Code.

3335-9-22 Group absences.

- (A) Whenever possible, group absences shall be planned so that they do not conflict with regularly scheduled classes.
- (B) When a student misses class in order to participate in a university sanctioned event, such as a field trip for another class, or an athletic or band event, or a specially scheduled class or examination scheduled in accordance with rule 3335-7-15 of the Administrative Code, it is the student's responsibility to present, at the earliest possible date, documentation of the required absence to each instructor whose class is to be missed. Documentation may include a copy of the course syllabus that shows the scheduled activity from a class scheduling an event or special session, or a memo from the instructor, coach, or person in authority requiring the absence. It shall be the responsibility of the instructor of the class or coordinator of the event causing the student to miss class to provide such documentation to the student. This documentation may be the basis of an excuse for an absence from class under the policies provided in rule 3335-9-21 of the Administrative Code.
- (C) Instructors of the regularly scheduled classes which have been missed by students attending special sessions or examinations should make reasonable efforts to assist students who miss a class due to authorized absence. The instructor, however, is not obligated to provide make-up classes, laboratory exercises, field trips, or examinations. The student is responsible for material covered in class during the absence. If an examination will be missed, the student should make alternate arrangements prior to the absence with the instructor of the class.

NOW THEREFORE

BE IT RESOLVED, That the foregoing amendments to the Rules of the University Faculty be adopted as recommended by the University Senate.

June 2 and 3, 1988 meeting, Board of Trustees

AMENDMENTS TO THE RULES OF THE UNIVERSITY FACULTY (contd)

Upon motion of Ms. Casto, seconded by Mr. Berry, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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**CHANGE "THE HENRY G. CRAMBLETT FUND IN MEDICINE"
TO "THE HENRY G. CRAMBLETT CHAIR IN MEDICINE"**

Resolution No. 88-133

Synopsis: Changing "The Henry G. Cramblett Fund in Medicine" to "The Henry G. Cramblett Chair in Medicine" is proposed.

WHEREAS in accordance with the guidelines previously established by this Board, "The Henry G. Cramblett Fund in Medicine" was established on May 5, 1988; 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 fund it was agreed that the fund be redesignated "The Henry G. Cramblett Chair in Medicine" when the level of funding reaches \$600,000; and

WHEREAS the level of funding has now reached the level required through an additional gift from the Estate of the late Mrs. Helen Simpson Lambacher (B.S.Ed. '33):

NOW THEREFORE

BE IT RESOLVED, That The Henry G. Cramblett Fund in Medicine be changed to The Henry G. Cramblett Chair in Medicine. In keeping with the provisions of the original endowed fund, the annual income is to provide salary and program support in the Department of Pediatrics in The Ohio State University College of Medicine for the work of a distinguished pediatrician who is nationally noted for leading research and patient care in the area of infectious diseases. Appointment to the Cramblett Chair will be made at the recommendation of the Dean of the College of Medicine to the Provost and approved by The Ohio State University Board of Trustees after consultation with the Chair of the Department of Pediatrics and Dr. Henry G. Cramblett, as long as he is living; and

BE IT FURTHER RESOLVED, That 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 in consultation with the appropriate dean, department chair, or program administrative officer.

Upon motion of Ms. Casto, seconded by Mr. Wolf, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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June 2 and 3, 1988 meeting, Board of Trustees

**WAIVER OF PARAGRAPH (G) OF BYLAW 3335-1-08
OF THE ADMINISTRATIVE CODE**

Resolution No. 88-134

Synopsis: Request to waive paragraph (G) of bylaw 3335-1-08 of the Administrative Code for the naming of a road on the Lima Campus.

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 Progress Drive on the Lima Campus be named to honor James S. Biddle, who will retire this year as Dean and Director of the Lima Campus:

NOW THEREFORE

BE IT RESOLVED, That the applicable requirements of paragraph (G) of bylaw 3335-1-08 of the Administrative Code be waived so that Progress Drive on the Lima Campus can be named for an officer or employee of the University or the State of Ohio who has not been retired from such position for three years.

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

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NAMING OF ROAD

Resolution No. 88-135

Synopsis: A new name is proposed for a road on the Lima Campus, currently known as "Progress Drive."

WHEREAS Dr. James S. Biddle contributed greatly to the development and progress of The Ohio State University Lima Campus throughout his 18 years as Dean and Director; and

WHEREAS the President recommended, with the concurrence of the President's staff, that the road on the Lima Campus currently known as Progress Drive be renamed in honor of James S. Biddle:

NOW THEREFORE

BE IT RESOLVED, That in accordance with the Bylaws of the Board of Trustees, the above specified road shall hereafter bear the name "James S. Biddle Drive."

Upon motion of Mr. Teaford, seconded by Ms. Casto, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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June 2 and 3, 1988 meeting, Board of Trustees

HONORARY DEGREES

Resolution No. 88-136

Synopsis: Approval is requested for awarding honorary degrees to three individuals.

WHEREAS the Committee on Honorary Degrees and the University Senate, pursuant to rule 3335-5-488 of the Administrative Code, have approved for recommendation to the Board of Trustees awarding of honorary degrees as listed below:

Marshall Hall, Jr.	Doctor of Science
Austin Kiplinger	Doctor of Humane Letters
Andrei Sakharov	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 Ms. Casto, seconded by Mrs. Bowser, the Board of Trustees adopted the foregoing resolution by unanimous voice vote.

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PERSONNEL ACTIONS

Resolution No. 88-137

RESOLVED, That the personnel actions as recorded in the Personnel Budget Records of the University since the May 5, 1988 meeting of the Board, including the following Changes in Title, Appointment of Chairpersons of Department and Divisions, Reappointment of Chairpersons of Departments, Leave of Absence Without Salary, Leave of Absence Without Salary--Continuation, Professional Improvement Leave, Promotions/Tenure, and Emeritus Titles as detailed in the University Budget be approved.

Changes in Title

Name:	DAVID E. SCHULLER
Title:	Director
Center/Hospital:	Comprehensive Cancer Center and Arthur G. James Cancer Hospital and Research Institute
Effective:	May 1, 1988
Salary:	N/A
Present Position:	Director, Arthur G. James Cancer Hospital and Research Institute

Name:	DAVID S. YOHN
Title:	Deputy Director
Center:	Comprehensive Cancer Center
Effective:	May 1, 1988
Salary:	N/A
Present Position:	Director, Comprehensive Cancer Center

June 2 and 3, 1988 meeting, Board of Trustees

PERSONNEL ACTIONS (contd)

Changes in Title (contd)

Name: STANLEY P. BALCERZAK
Title: Associate Director
Center: Comprehensive Cancer Center
Effective: May 1, 1988
Salary: N/A
Present Position: Deputy Director, Comprehensive Cancer Center

Appointment of Chairpersons of Department and Divisions

July 1, 1988 through June 30, 1989

Art	Robert Shay*
Division of Pharmaceutical Administration	Richard Segal*
Division of Pharmaceutics & Parmaceutical Chemistry	Louis Malspeis*

*Acting Chairperson

Reappointment of Chairpersons of Departments

July 1, 1988 through June 30, 1992

Pharmacology	Norton H. Neff
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July 1, 1988 through September 30, 1992

History of Art	Christine V. Bornstein
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Leaves of Absence Without Salary

CHERYL M. GAIMON, Associate Professor, Academic Faculty of Management Sciences, effective Autumn Quarter 1988, Winter Quarter and Spring Quarter 1989, for personal reasons.

WILLIAM D. TODOR, Associate Professor, Academic Faculty of Management and Human Resources, effective Autumn Quarter 1988, Winter Quarter and Spring Quarter 1989, to visit the University of Miami in Coral Gables, Florida.

ANAND DESAI, Assistant Professor, School of Public Administration, effective Autumn Quarter 1988, Winter Quarter and Spring Quarter 1989, for personal reasons.

Leave of Absence Without Salary--Continuation

PRABUDDHA DE, Associate Professor, Academic Faculty of Accounting and Management Information Systems, effective Autumn Quarter 1988, Winter Quarter and Spring Quarter 1989, to continue his Distinguished Professorship at the University of Dayton.

Professional Improvement Leave

MARCUS H. SANDVER, Associate Professor, Academic Faculty of Management and Human Resources, effective Autumn Quarter 1988, Winter Quarter and Spring Quarter 1989.

June 2 and 3, 1988 meeting, Board of Trustees

PERSONNEL ACTIONS (contd)

Promotions and Tenure

College of Agriculture

R. KIRBY BARRICK, JR., Department of Agricultural Education, promotion to Professor, effective July 1, 1988.

MICHAEL A. ELLIS, Department of Plant Pathology, promotion to Professor, effective July 1, 1988.

CAMERON S. THRAEN, Department of Agricultural Economics and Rural Sociology, promotion to Associate Professor with tenure, effective July 1, 1988.

WOLFGANG DIETZ BAUER, Department of Agronomy, tenure, effective January 1, 1989.

FREDERICK A. LENDRUM, Agricultural Technical Institute, tenure, effective April 1, 1989.

ROBERT L. ROMIG, Agricultural Technical Institute, tenure, effective March 15, 1989.

Cooperative Extension

LARRY C. AULT, promotion to Associate Professor, effective July 1, 1988.

DARYL R. CLARK, promotion to Associate Professor, effective July 1, 1988.

DANIEL L. COWDREY, promotion to Associate Professor, effective July 1, 1988.

DORIS I. HERRINGSHAW, promotion to Associate Professor, effective July 1, 1988.

NANCY H. HUDSON, promotion to Associate Professor, effective July 1, 1988.

RICHARD R. MARTIN, promotion to Associate Professor, effective July 1, 1988.

JANIS A. THOMPSON, promotion to Associate Professor, effective July 1, 1988.

GWEN A. HOLSAPPLE, promotion to Assistant Professor, effective July 1, 1988, and tenure, effective January 3, 1990.

CHRISTY F. LEEDS, promotion to Assistant Professor, effective July 1, 1988, and tenure, effective April 1, 1989.

ERIC R. NORLAND, promotion to Assistant Professor, effective July 1, 1988, and tenure, effective December 1, 1989.

KATHY K. OLIVER, promotion to Assistant Professor, effective July 1, 1988, and tenure, effective November 1, 1989.

June 2 and 3, 1988 meeting, Board of Trustees

PERSONNEL ACTIONS (contd)

Promotions and Tenure (contd)

Cooperative Extension (contd)

STEVEN D. RUHL, promotion to Assistant Professor, effective July 1, 1988, and tenure, effective February 1, 1990.

RANDALL H. ZONDAG, promotion to Assistant Professor, effective July 1, 1988, and tenure, effective June 21, 1989.

CARLA A. MENELLE, promotion to Assistant Professor, effective July 1, 1988.

JUANITA E. MILLER, promotion to Assistant Professor, effective July 1, 1988.

GARY W. WILSON, promotion to Assistant Professor, effective July 1, 1988.

BARBARA A. BRAHM, tenure, effective August 1, 1989.

SUSANN K. ERWIN, tenure, effective August 2, 1989.

THOMAS W. HOPKINS, tenure, effective May 3, 1989.

KAREN S. PERRY, tenure, effective March 21, 1990.

College of The Arts

RICHARD W. BURROWS, Department of Dance, promotion to Associate Professor with tenure, effective October 1, 1988.

MYROSLAVA M. CISZKEWYCZ, Department of History of Art, promotion to Associate Professor with tenure, effective October 1, 1988.

SUSAN DALLAS-SWANN, Department of Art, promotion to Associate Professor with tenure, effective October 1, 1988.

EDWIN L. LANKFORD, Department of Art Education, promotion to Associate Professor with tenure, effective October 1, 1988.

TERRY M. BARRETT, Department of Art Education, promotion to Associate Professor, effective October 1, 1988.

PHEORIS WEST, Department of Art, promotion to Associate Professor, effective October 1, 1988.

College of Biological Sciences

BRUCE S. ZWILLING, Department of Microbiology, promotion to Professor, effective October 1, 1988.

RICHARD W. HALL, Department of Entomology, promotion to Associate Professor with tenure, effective October 1, 1988.

June 2 and 3, 1988 meeting, Board of Trustees

PERSONNEL ACTIONS (contd)

Promotions and Tenure (contd)

College of Biological Sciences (contd)

BENJAMIN R. STINNER, Department of Entomology, promotion to Associate Professor with tenure, effective July 1, 1988.

NORMAN F. JOHNSON, Department of Entomology, promotion to Associate Professor, effective October 1, 1988.

College of Business

PRABUDDHA DE, Academic Faculty of Accounting and Management Information Systems, promotion to Professor, effective October 1, 1988.

ROY J. LEWICKI, Academic Faculty of Management and Human Resources, promotion to Professor, effective July 1, 1988.

JOHN R. CURRENT, Academic Faculty of Management Sciences, promotion to Associate Professor with tenure, effective October 1, 1988.

DAVID R. GREENBERGER, Academic Faculty of Management and Human Resources, promotion to Associate Professor with tenure, effective October 1, 1988.

JANE F. MUTCHLER, Academic Faculty of Accounting and Management Information Systems, promotion to Associate Professor with tenure, effective October 1, 1988.

ARNON E. REICHERS, Academic Faculty of Management and Human Resources, promotion to Associate Professor with tenure, effective October 1, 1988.

RALPH A. WALKLING, Academic Faculty of Finance, promotion to Associate Professor with tenure, effective October 1, 1988.

DAVID A. COLLIER, Academic Faculty of Management Sciences, tenure, effective October 1, 1989.

College of Dentistry

KIM A. LAURELL, Restorative & Prosthetic, promotion to Assistant Professor, effective July 1, 1988, and tenure, effective July 1, 1989.

ELIZABETH C. KAO, Restorative & Prosthetic, promotion to Assistant Professor, effective July 1, 1988.

MARILYN J. HICKS, Dental Hygiene, tenure, effective October 1, 1989.

NANCY K. NORDSTROM, Dental Hygiene, tenure, effective October 1, 1989.

College of Education

WILLIAM E. LOADMAN, Department of Educational Theory and Practice, promotion to Professor, effective October 1, 1988.

June 2 and 3, 1988 meeting, Board of Trustees

PERSONNEL ACTIONS (contd)

Promotions and Tenure (contd)

College of Education (contd)

MICHAEL A. KLEIN, Department of Human Services Education, promotion to Associate Professor with tenure, effective October 1, 1988.

GAY SU PINNELL, Department of Educational Theory and Practice, promotion to Associate Professor with tenure, effective October 1, 1988.

PHYLLIS B. POST-KAMMER, Department of Human Services Education, promotion to Associate Professor with tenure, effective October 1, 1988.

GWENDOLYN CARTLEDGE, Department of Human Services Education, tenure, effective October 1, 1989.

VIRGINIA N. GORDON, Department of Human Services Education, promotion to Adjunct Associate Professor, effective July 1, 1988.

College of Engineering

HOJJAT ADELI, Department of Civil Engineering, promotion to Professor, effective October 1, 1988.

STEVEN I. GORDON, Department of City and Regional Planning, promotion to Professor, effective October 1, 1988.

UMIT OZGUNER, Department of Electrical Engineering, promotion to Professor, effective October 1, 1988.

STEVEN B. BIBYK, Department of Electrical Engineering, promotion to Associate Professor with tenure, effective October 1, 1988.

DEBORAH Y. GEORG, Department of Landscape Architecture, promotion to Associate Professor with tenure, effective October 1, 1988.

AMOS GILAT, Department of Engineering Mechanics, promotion to Associate Professor with tenure, effective October 1, 1988.

NORIKO KATSUBE, Department of Engineering Mechanics, promotion to Associate Professor with tenure, effective October 1, 1988.

TEN-HWANG LAI, Department of Computer and Information Sciences, promotion to Associate Professor with tenure, effective October 1, 1988.

WON-KYOO LEE, Department of Chemical Engineering, promotion to Associate Professor with tenure, effective October 1, 1988.

MARK R. MCCORD, Department of Civil Engineering, promotion to Associate Professor with tenure, effective October 1, 1988.

DANIEL A. MENDELSON, Department of Engineering Mechanics, promotion to Associate Professor with tenure, effective October 1, 1988.

June 2 and 3, 1988 meeting, Board of Trustees

PERSONNEL ACTIONS (contd)

Promotions and Tenure (contd)

College of Engineering (contd)

NEELAMEGAM SOUNDARARAJAN, Department of Computer and Information Sciences, promotion to Associate Professor with tenure, effective October 1, 1988.

YAAGOV YESHA, Department of Computer and Information Sciences, promotion to Associate Professor with tenure, effective October 1, 1988.

SHIVE K. CHATURVEDI, Department of Civil Engineering, tenure, effective October 1, 1989.

PRABHAT K. GUPTA, Department of Ceramic Engineering, tenure, effective April 1, 1989.

MARC E. POSNER, Department of Industrial and Systems Engineering, tenure, effective October 1, 1989.

College of Home Economics

LUCY R. SIBLEY, Department of Textiles and Clothing, promotion to Professor, effective July 1, 1988.

JANET F. LASTER, Department of Home Economics Education, promotion to Associate Professor, effective October 1, 1988.

RUTH M. CONONE, Department of Home Economics Education, tenure, effective October 21, 1989.

College of Humanities

CATHERINE A. CALLAGHAN, Department of Linguistics, promotion to Professor, effective October 1, 1988.

DAVID J. CITINO, Department of English, promotion to Professor, effective October 1, 1988.

DANIEL M. FARRELL, Department of Philosophy, promotion to Professor, effective October 1, 1988.

TIMOTHY E. GREGORY, Department of History, promotion to Professor, effective October 1, 1988.

BRIAN D. JOSEPH, Department of Linguistics, promotion to Professor, effective October 1, 1988.

DAGMAR C. G. LORENZ, Department of German, promotion to Professor, effective October 1, 1988.

JOHN F. SENA, Department of English, promotion to Professor, effective October 1, 1988.

June 2 and 3, 1988 meeting, Board of Trustees

PERSONNEL ACTIONS (contd)

Promotions and Tenure (contd)

College of Humanities (contd)

HEIMTRAUT F. TAYLOR, Department of German, promotion to Professor, effective October 1, 1988.

LESLIE A. ADELSON, Department of German, promotion to Associate Professor with tenure, effective October 1, 1988.

STEVEN S. FINK, Department of English, promotion to Associate Professor with tenure, effective October 1, 1988.

MARTHA M. GARLAND, Department of History, promotion to Associate Professor with tenure, effective October 1, 1988.

JOSAPHAT B. KUBAYANDA, Department of Romance Languages and Literatures, promotion to Associate Professor with tenure, effective October 1, 1988.

College of Law

SHELDON W. HALPERN, tenure, effective August 16, 1989.

University Libraries

CHARLES J. POPOVICH, Undergraduate/Department Libraries, promotion to Associate Professor, effective July 1, 1988.

AMNON ZIPIN, Public Services, promotion to Associate Professor, effective July 1, 1988.

OLGA E. BESHES, Technical Services, promotion to Assistant Professor, effective July 1, 1988, and tenure, effective September 1, 1989.

MAUREEN H. DONOVAN, Public Services, promotion to Assistant Professor, effective July 1, 1988.

STEPHEN W. ROGERS, Public Services, promotion to Assistant Professor, effective July 1, 1988.

PAMELA S. BRADIGAN, University Libraries, tenure, effective March 15, 1989.

College of Mathematical and Physical Sciences

MICHAEL W. DAVIS, Department of Mathematics, promotion to Professor, effective October 1, 1988.

DAVID J. HART, Department of Chemistry, promotion to Professor, effective October 1, 1988.

CLYDE W. MCCURDY, Department of Chemistry, promotion to Professor, effective October 1, 1988.

June 2 and 3, 1988 meeting, Board of Trustees

PERSONNEL ACTIONS (contd)

Promotions and Tenure (contd)

College of Mathematical and Physical Sciences (contd)

MATTHEW S. PLATZ, Department of Chemistry, promotion to Professor, effective October 1, 1988.

JOSEPH M. ROSENBLATT, Department of Mathematics, promotion to Professor, effective October 1, 1988.

WARREN M. SINNOTT, Department of Mathematics, promotion to Professor, effective October 1, 1988.

BERT K. WAITS, Department of Mathematics, promotion to Professor, effective October 1, 1988.

MICHAEL BARTON, Department of Geology and Mineralogy, promotion to Associate Professor with tenure, effective October 1, 1988.

VITALY BERGELSON, Department of Mathematics, promotion to Associate Professor with tenure, effective October 1, 1988.

ANDRZEJ J. DERDZINSKI, Department of Mathematics, promotion to Associate Professor with tenure, effective October 1, 1988.

PRABIR K. DUTTA, Department of Chemistry, promotion to Associate Professor with tenure, effective October 1, 1988.

MATTHEW FOREMAN, Department of Mathematics, promotion to Associate Professor with tenure, effective October 1, 1988.

RICHARD D. KASS, Department of Physics, promotion to Associate Professor with tenure, effective October 1, 1988.

LAWRENCE A. KRISSEK, Department of Geology and Mineralogy, promotion to Associate Professor with tenure, effective October 1, 1988.

GARY RADER, Department of Mathematics (Newark Campus), promotion to Associate Professor with tenure, effective October 1, 1988.

JOSEPH S. VERDUCCI, Department of Statistics, promotion to Associate Professor with tenure, effective October 1, 1988.

RALPH R. B. VON FRESE, Department of Geology and Mineralogy, promotion to Associate Professor with tenure, effective October 1, 1988.

CLYDE C. GOAD, Department of Geodetic Science and Surveying, tenure, effective October 1, 1989.

GEORGE J. MAJDA, Department of Mathematics, tenure, effective October 1, 1989.

EDWARD A. OVERMAN II, Department of Mathematics, tenure, effective January 1, 1990.

June 2 and 3, 1988 meeting, Board of Trustees

PERSONNEL ACTIONS (contd)

Promotions and Tenure (contd)

College of Mathematical and Physical Sciences (contd)

TARIQ RIZVI, Department of Mathematics (Lima Campus), tenure, effective October 1, 1989.

DAVID H. TERMAN, Department of Mathematics, tenure, effective October 1, 1989.

College of Medicine

M. SUE O'DORISIO, Department of Pediatrics, promotion to Professor with tenure, effective July 1, 1988.

RONALD M. FERGUSON, Department of Surgery, promotion to Professor, effective July 1, 1988.

J. DAVID JOHNSON, Department of Physiological Chemistry, promotion to Professor, effective October 1, 1988.

ROBERT L. RUBERG, Department of Surgery, promotion to Professor, effective July 1, 1988.

RONALD W. TREWYN, Department of Physiological Chemistry, promotion to Professor, effective July 1, 1988.

PETER B. BAKER III, Department of Pathology, promotion to Associate Professor with tenure, effective July 1, 1988.

ROBERT A. BORNSTEIN, Department of Psychiatry, promotion to Associate Professor with tenure, effective July 1, 1988.

THOMAS L. CLANTON, Department of Internal Medicine, promotion to Associate Professor with tenure, effective October 1, 1988.

JOHN D. CORRIGAN, Department of Physical Medicine, promotion to Associate Professor with tenure, effective July 1, 1988.

FERNANDO G. COSIO, Department of Internal Medicine, promotion to Associate Professor with tenure, effective July 1, 1988.

MATTHEW E. DANGEL, Department of Ophthalmology, promotion to Associate Professor with tenure, effective July 1, 1988.

MILES E. DRAKE, JR., Department of Neurology, promotion to Associate Professor with tenure, effective July 1, 1988.

WILLIAM B. FARRAR, Department of Surgery, promotion to Associate Professor with tenure, effective July 1, 1988.

CHARLES G. OROSZ, Department of Surgery, promotion to Associate Professor with tenure, effective July 1, 1988.

June 2 and 3, 1988 meeting, Board of Trustees

PERSONNEL ACTIONS (contd)

Promotions and Tenure (contd)

College of Medicine (contd)

BRUCE G. SOMMER, Department of Surgery, promotion to Associate Professor with tenure, effective July 1, 1988.

RICHARD D. TALLMAN, JR., School of Allied Medical Professions, promotion to Associate Professor with tenure, effective July 1, 1988.

ALTAF A. WANI, Department of Radiology, promotion to Associate Professor with tenure, effective October 1, 1988.

WILLIAM J. BARSON, Department of Pediatrics, promotion to Associate Professor, effective July 1, 1988.

DEBORAH S. PARRIS, Department of Medical Microbiology and Immunology, promotion to Associate Professor, effective July 1, 1988.

TIMOTHY S. GAGINELLA, Department of Internal Medicine, tenure, effective September 1, 1989.

ROBERT M. GUTHRIE, Department of Family Medicine, tenure, effective October 1, 1989.

RICHARD C. ROGERS, Department of Physiology, tenure, effective July 1, 1989.

MARY K. WALLER, School of Allied Medical Professions, tenure, effective August 23, 1989.

WILHELM A. ZUELZER, Department of Surgery, tenure, effective July 1, 1989.

NARCISO S. ALBARRACIN, Department of Pathology, promotion to Clinical Professor, effective July 1, 1988.

DON E. GEBHART, Department of Otolaryngology, promotion to Clinical Professor, effective July 1, 1988.

WILLIAM R. ADRION, Department of Pathology, promotion to Clinical Associate Professor, effective July 1, 1988.

WILLIAM E. COPELAND, JR., Department of Obstetrics and Gynecology, promotion to Clinical Associate Professor, effective July 1, 1988.

PATRICK M. FARDAL, Department of Pathology, promotion to Clinical Associate Professor, effective July 1, 1988.

JAMES W. FERRARO, Department of Surgery, promotion to Clinical Associate Professor, effective July 1, 1988.

ROGER A. FRIEDMAN, Department of Pediatrics, promotion to Clinical Associate Professor, effective July 1, 1988.

CHARLES R. HEDGES, Department of Family Medicine, promotion to Clinical Associate Professor, effective July 1, 1988.

June 2 and 3, 1988 meeting, Board of Trustees

PERSONNEL ACTIONS (contd)

Promotions and Tenure (contd)

College of Medicine (contd)

THEODOR F. HERWIG, Department of Family Medicine, promotion to Clinical Associate Professor, effective July 1, 1988.

WALTER A. HOLBROOK, Department of Family Medicine, promotion to Clinical Associate Professor, effective July 1, 1988.

ALAN D. LETSON, Department of Ophthalmology, promotion to Clinical Associate Professor, effective July 1, 1988.

MARY A. MCILROY, Department of Pediatrics, promotion to Clinical Associate Professor, effective July 1, 1988.

LARRY R. TATE, Department of Pathology, promotion to Clinical Associate Professor, effective July 1, 1988.

RONALD C. VAN BUREN, Department of Family Medicine, promotion to Clinical Associate Professor, effective July 1, 1988.

LOWELL L. WILLIAMS, Department of Pediatrics, promotion to Clinical Associate Professor, effective July 1, 1988.

HAROLD E. HESTLAND, Department of Pediatrics, promotion to Clinical Assistant Professor, effective July 1, 1988.

GEORGE P. PETTIT, Department of Obstetrics and Gynecology, promotion to Clinical Assistant Professor, effective July 1, 1988.

College of Optometry

JOHN P. SCHOESSLER, promotion to Professor, effective July 1, 1988.

College of Pharmacy

MILAP C. NAHATA, Division of Pharmacy Practice, promotion to Professor, effective July 1, 1988.

RICHARD SEGAL, Division of Pharmaceutical Administration, promotion to Associate Professor with tenure, effective July 1, 1988.

CYNTHIA H. JACOBBER, Division of Pharmacy Practice, promotion to Clinical Assistant Professor, effective July 1, 1988.

College of Social and Behavioral Sciences

NANCY E. BETZ, Department of Psychology, promotion to Professor, effective October 1, 1988.

TERRI FISHER, Department of Psychology (Mansfield Campus), promotion to Associate Professor with tenure, effective October 1, 1988.

June 2 and 3, 1988 meeting, Board of Trustees

PERSONNEL ACTIONS (contd)

Promotions and Tenure (contd)

College of Social and Behavioral Sciences (contd)

RICHARD K. HERRMANN, Department of Political Science, promotion to Associate Professor with tenure, effective October 1, 1988.

SHARON C. WEST, School of Journalism, promotion to Associate Professor with tenure, effective October 1, 1988.

LLYLE J. BARKER, School of Journalism, tenure, effective October 1, 1989.

CONRAD SMITH, School of Journalism, tenure, effective October 1, 1989.

College of Social Work

CAROL D. AUSTIN, tenure, effective October 1, 1989.

College of Veterinary Medicine

CARLOS G. COUTO, Department of Veterinary Clinical Sciences, promotion to Associate Professor with tenure, effective July 1, 1988.

DIANE GERKEN, Department of Veterinary Physiology and Pharmacology, promotion to Associate Professor with tenure, effective July 1, 1988.

SUSAN E. JOHNSON, Department of Veterinary Clinical Sciences, tenure, effective October 1, 1989.

Emeritus Titles

ANN L. LILLY, College of The Arts - Administration and Department of Dance, with the title Assistant Dean and Associate Professor Emeritus, effective July 1, 1988.

JAGDISH S. RUSTAGI, Department of Statistics, with the title Chairperson and Professor Emeritus, effective July 1, 1988.

MARION R. ALCH, School of Music, with the title Professor Emeritus, effective July 1, 1988.

WILLIAM P. BAKER, School of Music, with the title Professor Emeritus, effective July 1, 1988.

MARSHALL H. BARNES, School of Music, with the title Professor Emeritus, effective July 1, 1988.

HARRY L. BARR, Department of Dairy Science, with the title Professor Emeritus, effective July 1, 1988.

HARRISON M. GARDNER, Department of Veterinary Clinical Sciences, with the title Professor Emeritus, effective July 1, 1988.

June 2 and 3, 1988 meeting, Board of Trustees

PERSONNEL ACTIONS (contd)

Emeritus Titles (contd)

D. LYLE GOLEMAN, Department of Entomology, with the title Professor Emeritus, effective July 1, 1988.

GEORGE R. HADDAD, School of Music, with the title Professor Emeritus, effective July 1, 1988.

WILLIAM L. INGALLS, Department of Veterinary Preventive Medicine, with the title Professor Emeritus, effective July 1, 1988.

THEODORE B. MYERS, Department of Zoology (Marion Campus), with the title Professor Emeritus, effective August 1, 1988.

PAUL V. PETERSON, School of Journalism, with the title Professor Emeritus, effective September 1, 1988.

WILBUR A. RAPP, Academic Faculty of Finance, with the title Professor Emeritus, effective July 1, 1988.

CHARLES SALTZER, Department of Mathematics, with the title Professor Emeritus, effective September 1, 1988.

JOHN H. SHAW, Department of Physics, with the title Professor Emeritus, effective July 1, 1988.

RICHARD A. TYBOUT, Department of Economics, with the title Professor Emeritus, effective July 1, 1988.

CHARLES WENAR, Department of Psychology, with the title Professor Emeritus, effective July 1, 1988.

GORDON J. WILSON, School of Music, with the title Professor Emeritus, effective July 1, 1988.

JULIAN B. WOELFEL, College of Dentistry - Restorative & Prosthetic Dentistry, with the title Professor Emeritus, effective June 1, 1988.

ARNO CRONHEIM, Department of Mathematics, with the title Associate Professor Emeritus, effective July 1, 1988.

LOUISE B. GUTHMAN, Department of Dance, with the title Associate Professor Emeritus, effective July 1, 1988.

J. A. HUFF, School of Music, with the title Associate Professor Emeritus, effective July 1, 1988.

JOSEPH A. LEVEY, School of Music, with the title Associate Professor Emeritus, effective July 1, 1988.

RAYMOND A. SCHINDLER, Cooperative Extension Service, with the title Associate Professor Emeritus, effective June 1, 1988.

JOHN T. WYNNE, Department of Art, with the title Associate Professor Emeritus, effective July 1, 1988.

June 2 and 3, 1988 meeting, Board of Trustees

PERSONNEL ACTIONS (contd)

Emeritus Titles (contd)

DOUGLAS E. BROWN, College of Dentistry - Restorative & Prosthetic Dentistry, with the title Assistant Professor Emeritus, effective July 1, 1988.

ROBERT H. ESSMAN, Department of Molecular Genetics, with the title Assistant Professor Emeritus, effective July 1, 1988.

PATRICK M. EWING, Department of Mathematics (Mansfield Campus), with the title Assistant Professor Emeritus, effective July 1, 1988.

JOHN W. FERENCE, Cooperative Extension Service, with the title Assistant Professor Emeritus, effective July 1, 1988.

VERA L. HERMAN, Department of Geography, with the title Assistant Professor Emeritus, effective July 1, 1988.

ALDEN E. STILSON, JR., Department of Veterinary Anatomy, with the title Assistant Professor Emeritus, effective July 1, 1988.

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

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RESOLUTIONS IN MEMORIAM

Resolution No. 88-138

Synopsis: Resolutions honoring the service of three 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.

Nicholas T. Bobrovnikoff

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on March 21, 1988, of Nicholas T. Bobrovnikoff, Professor Emeritus in the Department of Astronomy and former Director of the Perkins Observatory.

Professor Bobrovnikoff was born in Starobielsk, near Kharkov in Ukrainia, in 1896. He graduated from the Institute of Mining Engineering in Petrograd in 1916. Russia was then engaged in World War I, and Bobrovnikoff immediately joined the Russian Army, in which he served as a Junior officer until 1918. When Russia dropped out of the war in 1918, he entered the University of Kharkov, but after the Revolution occurred he joined General Denikin's White Army and fought against the Bolsheviks. Dr. Bobrovnikoff was wounded and suffered from frozen feet and typhus before Denikin's army collapsed in March 1920. By good fortune he was evacuated from the Crimea to Cyprus by a British warship.

June 2 and 3, 1988 meeting, Board of Trustees

RESOLUTIONS IN MEMORIAM (contd)

Nicholas T. Bobrovnikoff (contd)

After nearly starving, Dr. Bobrovnikoff made his way to Prague, where he studied astronomy, physics, and mathematics at the Charles University, graduating in 1924. He was able to come to the United States to do graduate work at Yerkes Observatory at the University of Chicago. There he developed his interest in the spectra of comets, the subject of his Ph.D. thesis in 1927.

Receiving the Martin Kellogg Post-graduate Fellowship at the Lick Observatory in California, Dr. Bobrovnikoff wrote an authoritative memoir on the motion of the tails of Halley's comet at its 1910 apparition.

Dr. Bobrovnikoff became an American citizen in 1930, and married Mildred Schairer, who had taught school on Mount Hamilton while he was there. That same year he was appointed assistant professor at the Perkins Observatory, then operated by Ohio Wesleyan University. The great depression was then at its worst and Professor Bobrovnikoff had to struggle to survive and obtain any funds for research. In 1933, he was named Acting Director of the Observatory, and with the cooperation of Professor Alpheus Smith of The Ohio State University Physics Department, he played a major part in arranging the agreement under which Ohio State and Ohio Wesleyan have since jointly operated the Perkins Observatory.

Professor Bobrovnikoff served as Director of the Observatory until 1952, and continued working at the University, except for several years on leave for defense work, until his retirement in 1966. Upon his retirement he was named Professor Emeritus.

In spite of his heavy load of administrative work, Professor Bobrovnikoff published about 75 research papers. The majority concerned cometary spectra, but he was also one of the pioneers in the study of molecules in stellar atmospheres. He contributed to the identification of the bands of the oxides of titanium, scandium and zirconium in stellar spectra. In his last years, Professor Bobrovnikoff did unique research on the history of physical observations of comets, and also published a book, Astronomy Before the Telescope, in 1984.

On behalf of the University, the Board of Trustees expresses to Professor Bobrovnikoff's three children its deep sympathy. 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.

Paul G. Craig

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on April 9, 1988, of Paul G. Craig, Professor Emeritus in the School of Public Administration.

A native of Middletown, Ohio, Dr. Craig received his bachelor's degree (1950) from Otterbein College and his master's (1951) and Ph.D. (1953) degrees in economics from The Ohio State University. He served as a faculty member from 1951 to 1970, advancing through the academic ranks from graduate assistant to professor, and again from 1972 until his

June 2 and 3, 1988 meeting, Board of Trustees

RESOLUTIONS IN MEMORIAM (contd)

Paul G. Craig (contd)

retirement in 1980. Professor Craig served as Chairperson of the Department of Economics, as the first Dean of the College of Social and Behavioral Sciences, and as the Chairperson of the Coordinating Council of Deans for the Colleges of the Arts and Sciences. He was Vice President for Academic Affairs at Florida State University from 1970-72.

During his career at Ohio State, Dr. Craig developed the business forecasting and managerial economics courses of the MBA and the Executive Development Programs of what is now the College of Business. He also created the public budgeting courses of the School of Public Administration. As a teacher, he was superb. Blessed with energy, enthusiasm, and curiosity, compounded with a provocative, analytical mind, leavened with wit and laughter, Paul Craig was indeed a master at the craft of teaching. His many students will long remember him with appreciation and delight.

As a departmental and decanal administrator, Professor Craig was innovative and effective. He left each organization he served better than he found it. As Chair, he rebuilt the Department of Economics. As Dean, he gave the newly-created College of Social and Behavioral Sciences form and a sense of unity. Paul Craig served his University in many other ways, as a member of the Faculty Council, Faculty Advisory Committee to the President and Board of Trustees, as President of the Faculty Club, and in numerous formal and informal roles both before and after his retirement. Upon his retirement in 1980, he was named Professor Emeritus. In recognition of his many contributions to Ohio State, he received its Distinguished Service Award in 1986.

Professor Craig was no closet economist. He was one of those who cross-walk the worlds of the university, business and government. He worked as a consultant in economic forecasting, regional analysis for banks, insurance companies and governments. His was a rare capacity for translating technical analysis into realistic counsel for corporate and public decision-making. He served many well and represented his University to the extramural community with efficiency, candor, vigor and uncommon wit. His many civic and professional activities were of like character and quality.

Paul Craig was a unique man who delighted his friends, stimulated his associates, and improved the institutions and agencies that he touched. This University is fortunate that he was for so many years a distinguished member of its faculty.

On behalf of the University community, the Board of Trustees expresses to the family of Paul G. Craig its deepest sympathy. 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.

Delos D. Wickens

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on April 9, 1988, of Delos D. Wickens, Professor Emeritus in the Department of Psychology.

June 2 and 3, 1988 meeting, Board of Trustees

RESOLUTIONS IN MEMORIAM (contd)

Delos D. Wickens (contd)

Professor Wickens was born on October 6, 1909, in Rochester, New York. He received his AB degree from Centre College of Kentucky in 1931, and his Masters and Ph.D. degrees from the University of North Carolina in 1937. He first came to The Ohio State University in 1937 and stayed until 1939, and then he returned in 1946 and remained on the faculty until his retirement in 1980. In addition, during this period of time he had various visiting research and professorial positions at Oberlin College, the University of Colorado, the University of Wisconsin, the University of California at Berkeley, Louisiana State University, and the University of Pennsylvania.

Professor Wickens's field was experimental psychology, and within that he specialized in the psychological processes underlying learning and memory. Following his retirement, he remained very actively involved in his research, and in addition to his appointment at The Ohio State University, he held appointments at Ohio Wesleyan University and Colorado State University.

Professor Wickens had a very distinguished career that was marked by well over 100 publications, including several books. In addition, his career was highlighted by his receiving a Distinguished Research Award from Ohio State University in 1980; a Distinguished Teaching Award from the American Psychological Association in 1979; the Howard Crosby Warren Medal of The Society of Experimental Psychologists for his outstanding research contributions; and in 1983 he was elected to Phi Beta Kappa. In addition, he was the presiding officer (President) of the Midwestern Psychological Association, both Divisions 1 and 3 of the American Psychological Association, the Psychonomics Society, the psychology section (J) of AAAS, and the Society of Experimental Psychologists.

On behalf of the University, the Board of Trustees expresses to the family its deep sympathy. 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.

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

President Jennings:

Mr. Chairman, Professor Paul G. Craig long-time member of the faculty and also served on the Investment Advisory Committee and Jim Nichols has asked to say a word about Professor Craig.

Mr. Nichols:

I think that many people on the campus are well aware of Dr. Craig's efforts on both the academic and administrative side of the University. I first came to know Professor Craig as a student here in the 1960's. I think it is less well-known, except among the Trustees, his efforts involving the investments and investments policies of the University. When I came as Treasurer nearly seven years ago, he had already spent about three years serving on the Investment Committee of the

June 2 and 3, 1988 meeting, Board of Trustees

RESOLUTIONS IN MEMORIAM (contd)

Mr. Nichols: (contd)

University, which includes the Fiscal Affairs Committee of the Board. During those nearly seven years, he always made himself available to attend meetings. Some years there were maybe only two or three years, other years there were maybe monthly meetings. He was always available for consultation and on his professor side -- his academic side he would send me articles from time-to-time of research and suggest that perhaps I should look at these and see if it may not help me in terms of the investments of the University. He was always willing to give us his frank opinion in the meetings. Sometimes they were controversial, I know, but they were always interesting to listen to and discuss with Dr. Craig.

I believe, in the process of developing the University's Investment Policy some years ago, and about four years ago developing on our Income Distribution Policy, as well as our ongoing issues with various investments and debt related issues that he was always helpful. I will miss him personally in his counsel, and I am sure that that is true of all of the Trustees that have had an opportunity to work with him. Mr. President, I appreciate the opportunity to put that into the public record, a part of Dr. Craig that the general public is not aware of.

President Jennings:

Thank you, Jim. Those are very kind words and he will be missed.

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REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS

Resolution No. 88-139

Synopsis: The reports on contracts, grants, and gifts and the summary for April 1988 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 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 and The Ohio State University Development Fund during the month of April 1988 be approved.

June 2 and 3, 1988 meeting, Board of Trustees

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

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

President Jennings:

I think that it is instructive to note that several months ago we signed several contracts with the State and the Honda Corporation and on this month's acceptance of Research Grants is \$6 million from the Honda Corporation, that money has come in now. That endowment was for the College of Engineering should be expanded as the years go by, in terms, of increasing the funds from the operation of the Transportation Research Center.

SUMMARY FOR APRIL 1988

Source	No. of Projects	Support Level
The Ohio State University Research Foundation	116	\$7,466,789.04
Engineering Experiment Station	41	\$ 670,517.00
Total	157	\$8,137,306.04

The Ohio State University Development Fund

Establishment of Named Funds

Transportation Research Fund (Honda)
(Administered by the College of Engineering for research in automotive, vehicular, and related forms of transportation) \$6,000,000.00

John H. McConnell Endowment Fund for the Cancer Research Institute
(To support cancer research) \$ 97,750.00

The Ohio State University Marion Campus Theodore B. Myers Scholarship Endowment
(Scholarships - Marion Campus) \$ 15,000.00

The Papich Family Endowment Fund
(Financial support for students doing research of Slavic manuscripts) \$ 5,100.00

Change of Name and Description of Named Funds

From: The Phi Kappa Phi OSU Chapter Scholarship Fund
To: The Phi Kappa Phi Ohio State University Chapter Scholarship Fund

From: William F. Green Fund for Fellows and Scholars
To: William Green Memorial Fund

June 2 and 3, 1988 meeting, Board of Trustees

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

SUMMARY FOR APRIL 1988 (contd)

The Ohio State University Development Fund (contd)

Change of Name and Description of Named Funds (contd)

From: Mildred S. and Noel F. George Chair in Law Fund
To: Noel F. George, Baker & Hostetler Chair in Law Fund

Change in Name of Fund

From: The Noel F. George - Baker & Hostetler Law Library Fund
To: The Baker & Hostetler Law Library and Building Fund

Change in Description of Named Fund

The Henry G. Cramblett Fund in Medicine

Change in Description of Named Professorship

Ernst & Whinney Professorship in Accounting

June 2 and 3, 1988 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION

Report - April 1988

Federal Research Contracts/Grants

\$278,452.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Southwest Oncology Group, Department of Internal Medicine (S. P. Balcerzak), 1 January 1988 through 31 December 1988. (Project 761094 - Continuation)

\$255,470.00 - Department of Health and Human Services, Public Health Service, Center for Disease Control, Atlanta, Georgia, Development of a Multisized Hybrid III Dummy, Department of Mechanical Engineering (R. L. Stalnaker), 1 April 1988 through 31 March 1989. (Project 765973 - Continuation)

\$220,845.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Endotracheal Suctioning in Acutely Ill Adults, Department of Life Span Process (K. S. Stone), 1 April 1988 through 31 March 1989. (Project 765998 - Continuation)

\$175,000.00 - International Development Cooperation Agency, Agency for International Development, Washington, D.C., Improvement of Savings and Credit Services by Rural Financial Institutions in Developing Countries, Department of Agricultural Economics and Rural Sociology (C. Gonzalez-Vega and R. L. Meyer), 1 January 1988 through 31 October 1988. (Project 763301 - Continuation)

\$173,685.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Interval Training and Cancer Patients' Functional Capacity, Department of Family and Community Nursing (M. G. MacVicar), 15 April 1988 through 14 April 1989. (Project 766682 - New)

\$166,973.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Biomedical Research Support Grant, College of Medicine - Administration (D. G. Cornwell), 1 April 1988 through 31 March 1989. (Project 761078 - Continuation)

\$166,084.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Neoplastic Transformation of Human Epithelial Cells, Department of Physiological Chemistry (G. E. Milo), Comprehensive Cancer Center and Department of Microbiology (B. S. Zwilling), and Diagnostic Services (C. F. Shuler), 1 April 1988 through 31 March 1989. (Project 761756 - Continuation)

\$166,051.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Oncology Training Grant, Department of Internal Medicine (S. P. Balcerzak), 1 July 1988 through 30 June 1989. (Project 761160 - Continuation)

\$162,703.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, The Molecular

June 2 and 3, 1988 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

Biology of Organellar Translocation, Department of Molecular Genetics (B. R. Oakley) and Department of Microbiology (D. R. Galloway), 1 April 1988 through 31 March 1989. (Project 763502 - Continuation)

\$147,444.00 - National Science Foundation, Washington, D.C., Ship-to-Shore Seismic Refraction Investigation of the Lithospheric Structure of the Transantarctic Mountain Front, Byrd Polar Research Center and Department of Geology and Mineralogy (R. R. B. Von Frese), 1 July 1988 through 30 June 1989. (Project 766709 - New)

\$146,568.00 - National Science Foundation, Washington, D.C., Completion of Velocity Survey of Ice Stream B and Catchments of Ice Streams B and C, Byrd Polar Research Center and Department of Geology and Mineralogy (I. M. Whillans), 15 April 1988 through 31 March 1989. (Project 766672 - New)

\$144,258.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Biomedical Research Support Grant, Research and Graduate Studies Administration (T. L. Sweeney), 1 April 1988 through 31 March 1989. (Project 764748 - Continuation)

\$140,255.00 - Department of Energy, Argonne, Illinois, Investigations of Ultrasonic Wave Interactions at Boundaries Separating Anisotropic Materials, Department of Welding Engineering (L. Adler), 1 April 1988 through 31 March 1989. (Project 764033 - Continuation)

\$135,080.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Lipids Controlling S. aureus Survival In Vivo, Department of Microbiology and Immunology (F. A. Kapral), 1 April 1988 through 31 March 1989. (Project 763912 - Continuation)

\$130,408.00 - National Science Foundation, Washington, D.C., A Cooperative Paleoclimatic Study of the Dundee Ice Cap and Its Relationship to Global Climatic Variability, Byrd Polar Research Center (L. G. Thompson and E. Mosley-Thompson), 1 May 1988 through 30 April 1989. (Project 765310 - Continuation)

\$116,500.00 - National Science Foundation, Washington, D.C., Fourier Transform Ion Cyclotron Resonance Mass Spectrometry: Techniques Development and Non-Biological Application, Chemical Instrumentation Center, Department of Chemistry and Department of Biochemistry (A. G. Marshall), 15 April 1988 through 30 September 1989. (Project 766684 - New)

\$107,800.00 - National Science Foundation, Washington, D.C., Studies Involving Molecules and Intermediates of Theoretical Interest, Department of Chemistry (L. A. Paquette), 1 September 1988 through 31 August 1989. (Project 766349 - Continuation)

\$107,587.00 - Department of Health and Human Services, Public Health Service, Health Resources and Services Administration, Rockville,

June 2 and 3, 1988 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

Maryland, Predoctoral Training Grant, Department of Family Medicine (P. J. Fahey), 1 July 1988 through 30 June 1989. (Project 765400 - Continuation)

\$104,836.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Synthesis of Biologically Active Alkaloids, Department of Chemistry (D. J. Hart), 1 April 1988 through 31 March 1989. (Project 762083 - Continuation)

\$99,376.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Hypertension and Congestive Heart Failure: Genetic Model, Department of Food Science and Nutrition - OARDC and Department of Food Science and Nutrition (S. A. McCune), 1 December 1987 through 30 November 1988. (Project 766383 - Continuation)

\$95,000.00 - Department of Transportation, National Highway Traffic Safety Administration, East Liberty, Ohio, Unified Head Injury Theory, Department of Mechanical Engineering (R. L. Stalnaker), 1 January 1988 through 31 December 1988. (Project 764510 - Continuation)

\$94,542.00 - Department of the Army, Army Research Office, Research Triangle Park, North Carolina, A Fundamental Investigation into the Joining of Advanced Light Materials, Department of Welding Engineering (W. A. Baeslack III), 1 April 1988 through 31 March 1989. (Project 766676 - New)

\$94,115.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Function of the Enteric Nervous System, Department of Physiology (J. D. Wood), 1 May 1988 through 30 April 1989. (Project 765012 - Continuation)

\$93,700.00 - National Science Foundation, Washington, D.C., The Chemistry and Electrochemistry of Hot Corrosion of Metals, Department of Metallurgical Engineering (R. A. Rapp), 1 August 1988 through 31 July 1989. (Project 766299 - Continuation)

\$90,562.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Professional Nurse Traineeship Program, Department of Family and Community Nursing (E. M. Menke), 1 July 1988 through 30 June 1989. (Project 760803 - Continuation)

\$86,471.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Immunochemical Analysis of Exotoxin A from Pseudomonas aeruginosa, Department of Microbiology (D. R. Galloway), 1 April 1988 through 31 March 1989. (Project 765322 - Continuation)

\$82,142.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, Precomplexation and Activation of Carbohydrate Phosphate

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

Esters, Department of Chemistry (A. W. Czarnik), 1 March 1988 through 28 February 1989. (Project 766706 - New)

\$81,300.00 - National Science Foundation, Washington, D.C., Plastic Instability and Fracture in Steels, Department of Metallurgical Engineering (J. P. Hirth), 1 April 1988 through 31 March 1989. (Project 763970 - Continuation)

\$79,763.00 - National Science Foundation, Washington, D.C., Paleobotany in Antarctica: Paleozoic and Mesozoic, Byrd Polar Research Center and Department of Botany (T. N. Taylor) and Byrd Polar Research Center (E. L. Taylor), 1 May 1988 through 30 April 1989. (Project 765819 - Continuation)

\$79,341.00 - Department of Agriculture, Animal and Plant Health Inspection Service, Hyattsville, Maryland, Evaluation of Economic and Epidemiologic Data from the National Animal Health Monitoring System (NAHMS): Identifying Bacterial Agents Associated with Bovine Mastitis and Special Studies with the NAHMS Core for Mastitis in Dairy Cattle, Department of Veterinary Preventive Medicine (G. Y. Miller), 1 January 1988 through 30 September 1988. (Project 766673 - New)

\$78,759.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Mediastinal Effects on Pulmonary Function, Department of Veterinary Physiology and Pharmacology (L. E. Olson), 1 April 1988 through 31 March 1989. (Project 765986 - Continuation)

\$78,077.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Conformational and Electrostatic Effects in Plastocyanin, Department of Biochemistry (E. L. Gross), 1 April 1988 through 31 March 1989. (Project 765991 - Continuation)

\$70,108.00 - National Aeronautics and Space Administration, Lewis Research Center, Cleveland, Ohio, A Novel Approach in Formulation of Special Transition Finite Elements, Department of Aeronautical and Astronautical Engineering (N. Sarigul), 13 April 1988 through 12 April 1989. (Project 765939 - Continuation)

\$70,000.00 - Department of Commerce, National Bureau of Standards, Gaithersburg, Maryland, Physical and Mechanical Properties of Composite Materials, Department of Metallurgical Engineering (R. H. Wagoner, J. P. Hirth and V. K. Tewary), 6 February 1988 through 5 February 1989. (Project 766671 - New)

\$67,380.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, A Study of Ionic Channels in Rat Pituitary Somatotrophs, Department of Pharmacology (J. J. Enyeart), 1 May 1988 through 30 April 1989. (Project 766691 - 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)

\$66,376.00 - National Aeronautics and Space Administration, Lewis Research Center, Cleveland, Ohio, An Experimental Study of Shock-Boundary Layer Interaction in Hypersonic Flow, Department of Aeronautical and Astronautical Engineering (J. D. Lee and M. B. Bragg), 16 April 1988 through 3 September 1988. (Project 765240 - Continuation)

\$61,949.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Biomechanics of the Amphibian Middle Ear, Department of Zoology (T. E. Hetherington), 1 April 1988 through 31 March 1989. (Project 764599 - Continuation)

\$56,953.00 - National Science Foundation, Washington, D.C., Relativistic Optical Model at Intermediate Energies, Department of Physics (B. C. Clark), 1 July 1988 through 31 December 1989. (Project 765350 - Continuation)

\$55,573.00 - Department of Defense, Maryland Procurement Office, Fort George G. Meade, Maryland, Microwave Antenna Technology, Department of Electrical Engineering, ElectroScience Laboratory (R. C. Rudduck), 1 March 1988 through 31 July 1988. (Project 765096 - Continuation)

\$51,216.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, Degradation of Materials by Interdiffusion Processes, Department of Metallurgical Engineering (J. P. Hirth), 1 December 1987 through 30 November 1988. (Project 764574 - Continuation)

\$50,000.00 - National Science Foundation, Washington, D.C., Synthetic Catalysts Based on Reversible Covalent Bond Formation, Department of Chemistry (A. W. Czarnik), 1 March 1988 through 31 August 1989. (Project 765171 - Continuation)

\$50,000.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, Processing of Archaeobacterial Intron-Containing tRNA Gene Transcripts, Department of Microbiology (C. J. Daniels), 1 August 1988 through 31 July 1989. (Project 765591 - Continuation)

\$45,000.00 - Department of Education, Office of Postsecondary 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 (F. R. Silbajoris), 1 August 1988 through 31 July 1989. (Project 766697 - New)

\$44,975.00 - National Science Foundation, Washington, D.C., Field Theoretic Models of Nuclear and Subnuclear Systems, Department of Physics (R. J. Perry), 15 March 1988 through 31 August 1989. (Project 766657 - New)

\$40,249.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Gustatory Afferent Organization in the Solitary Nucleus, Oral Biology (S. P. Travers), 1 April 1988 through 31 August 1988. (Project 765694 - 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)

\$39,000.00 - National Science Foundation, Washington, D.C., Integrable Systems in Nonlinear Dispersionless Wave Equations: The Dispersionless Kadomtsev-Petviashvili Equation, Department of Mathematics (Y. Kodama), 1 June 1988 through 30 November 1990. (Project 766685 - New)

\$36,876.00 - Department of the Army, Army Materiel Command, Fort Belvoir, Virginia, Application of Borehole Geophysics to Locating Tunnels, Department of Geology and Mineralogy (J. J. Daniels), 1 April 1988 through 30 September 1988. (Project 766708 - New)

\$36,601.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Syntactic and Interpretive Processes in Coreference, Department of Linguistics (R. W. Cowart), 1 March 1988 through 28 February 1989. (Project 765967 - Continuation)

\$36,500.00 - National Science Foundation, Washington, D.C., Analysis of a New Wound-Related Cell Wall Protein in Carrot, Biotechnology Programs and Department of Agronomy (M. L. Tierney), 15 March 1988 through 28 February 1989. (Project 766680 - New)

\$34,071.00 - Department of Health and Human Services, Public Health Service, National Institute of Alcohol, Drug Abuse and Mental Health Administration, Bethesda, Maryland, Numerical Competence in the Chimpanzee (Pan troglodytes), Department of Psychology (J. C. Naylor and S. T. Boysen), 1 April 1988 through 31 March 1989. (Project 766584 - New)

\$31,893.00 - National Aeronautics and Space Administration, Ames Research Center, Moffett Field, California, Computational Study of the Jet-in-the-Ground-Effect Flow with Dynamically Adaptive Grid, Department of Mechanical Engineering (S. Nakamura), 21 March 1988 through 20 March 1989. (Project 766675 - New)

\$31,030.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Biomedical Research Support Grant, College of Pharmacy (A. H. Soloway), 1 April 1988 through 31 March 1989. (Project 760661 - Continuation)

\$30,610.00 - National Science Foundation, Washington, D.C., The Ohio State University Young Scholar Program, Department of Chemistry (M. H. Klapper) and College of Biological Sciences - Administration (A. Ackermann-Brown), 15 February 1988 through 31 January 1990. (Project 766663 - New)

\$30,000.00 - Department of Energy, Morgantown Energy Technology Center, Morgantown, West Virginia, Development of a Generalized Hydraulic Fracture Model, Department of Engineering Mechanics (S. H. Advani and J. K. Lee), 1 March 1988 through 1 December 1988. (Project 763827 - Continuation)

\$28,773.00 - National Science Foundation, Washington, D.C., Conference on the Future of the National Longitudinal Surveys of Labor Market

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

Experience, Center for Human Resource Research (R. J. Olsen), 15 April 1988 through 31 March 1989. (Project 766702 - New)

\$27,785.00 - National Science Foundation, Washington, D.C., Target Interception by Sonar in the Big Brown Bat, Eptesicus fuscus, Department of Zoology (W. M. Masters), 1 May 1988 through 30 April 1989. (Project 765902 - Continuation)

\$25,000.00 - Department of the Navy, Naval Material Command, Bethesda, Maryland, Vortex Motion Past a Cavity with Elastic Obstructions, Department of Mechanical Engineering (A. T. Conlisk), 7 April 1987 through 6 April 1989. (Project 765323 - Continuation)

\$25,000.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, Numerical Computation of Scattering Frequencies, Department of Mathematics (G. Majda), 1 May 1988 through 30 April 1989. (Project 766693 - New)

\$24,875.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Biomedical Research Support Grant, College of Veterinary Medicine - Administration (R. A. Wright), 1 April 1988 through 31 March 1989. (Project 762776 - Continuation)

\$24,300.00 - National Science Foundation, Washington, D.C., Quasicrystals and Superfluid Helium, Department of Physics (T. L. Ho), 1 March 1988 through 31 May 1989. (Project 766683 - New)

\$21,358.00 - Department of Health and Human Services, Public Health Service, Center for Disease Control, Atlanta, Georgia, Disorders of Reproduction Among Female Veterinarians, Department of Preventive Medicine (J. R. Wilkins III), 1 May 1988 through 30 April 1989. (Project 766067 - Continuation)

\$19,000.00 - National Science Foundation, Washington, D.C., Traveling Wave Solutions of Reaction Diffusion Systems, Department of Mathematics (D. Terman), 1 December 1988 through 30 November 1989. (Project 766089 - Continuation)

\$18,450.00 - National Science Foundation, Washington, D.C., Cohomology of Arithmetic Groups, Department of Mathematics (A. D. Ash), 1 December 1988 through 30 November 1989. (Project 766269 - Continuation)

\$17,000.00 - Department of Transportation, National Highway Traffic Safety Administration, East Liberty, Ohio, Omnidirectional Dummy Head and Neck, Department of Mechanical Engineering (R. L. Stalnaker), 1 January 1988 through 31 December 1988. (Project 763945 - Continuation)

\$14,630.00 - Department of Agriculture, Science and Education, Peoria, Illinois, Cooperative Agricultural Research, Office of the Director - OARDC (H. R. Conrad and R. F. Edwards), 1 October 1987 through 30 September 1988. (Project 766472 - 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)

\$14,087.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Biomedical Research Support Grant, College of Dentistry - Administration (W. R. Wallace), 1 April 1988 through 31 March 1989. (Project 764652 - Continuation)

\$13,044.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Short-Term Training, Oral Biology (S. Rosen), 1 June 1988 through 31 May 1989. (Project 764680 - Continuation)

\$10,990.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Biomedical Research Support Grant, College of Optometry (F. W. Hebbard), 1 April 1988 through 31 March 1989. (Project 765317 - Continuation)

\$8,795.00 - National Science Foundation, Washington, D.C., Lithospheric Analysis of Regional Antarctic Gravity and Magnetic Anomalies, Byrd Polar Research Center and Department of Geology and Mineralogy (R. R. B. Von Frese), 1 April 1988 through 31 March 1989. (Project 764662 - Continuation)

\$5,474.00 - National Science Foundation, Washington, D.C., Cooperative Research on Bulk Solids Interaction with Hopper Silos During Gravity Flow, Department of Civil Engineering (A. G. Bishara), 15 March 1988 through 31 August 1990. (Project 766655 - New)

\$5,000.00 - Department of the Army, Army Research Office, Research Triangle Park, North Carolina, Almost Everywhere Convergence in Probability and Ergodic Theory, Department of Mathematics (L. Sucheston), 4 April 1988 through 3 April 1989. (Project 766696 - New)

\$3,440.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Bethesda, Maryland, Oncology Training Grant, Department of Internal Medicine (S. P. Balcerzak), 1 July 1987 through 30 June 1988. (Project 761160 - Continuation)

\$3,150.00 - National Science Foundation, Washington, D.C., The Role of α -Lactalbumin in Lactose Biosynthesis, Department of Chemistry (L. J. Berliner), 1 November 1987 through 30 April 1989. (Project 766469 - Continuation)

\$3,000.00 - Department of Agriculture, Economic Research Service, Washington, D.C., Ethanol Production in Brazil: Understanding Linkages and Public Policy Impacts, Department of Agricultural Economics and Rural Sociology - OARDC and Department of Agricultural Economics and Rural Sociology (N. Rask), 27 September 1987 through 30 September 1988. (Project 766674 - 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)

Equipment - Department of Energy, Argonne, Illinois, Energy-Related Laboratory Equipment, Engineering Experiment Station (J. W. Talmagi), 1 April 1988 through 31 March 1989. (Project 766677 - New)

TOTAL - FEDERAL AWARDS \$5,528,658.00

State of Ohio Research Contracts/Grants

\$15,000.00 - State of Ohio, Department of Human Services, Columbus, Ohio, Master Parenting, Cooperative Extension Field Operations (J. C. Graham), 1 April 1988 through 31 March 1989. (Project 766052 - Continuation)

\$12,497.00 - State of Ohio, Department of Human Services, Columbus, Ohio, Special Parenting Project, Cooperative Extension Field Operations (B. J. Wurzel), 1 April 1988 through 31 March 1989. (Project 765319 - Continuation)

\$11,000.00 - State of Ohio, Department of Human Services, Columbus, Ohio, Mentor Mothers Program, Cooperative Extension Field Operations (W. D. Harris), 1 April 1988 through 31 March 1989. (Project 766679 - New)

\$8,544.00 - State of Ohio, Department of Human Services, Columbus, Ohio, Building Family Strengths, Cooperative Extension Field Operations (B. J. Gilbert), 1 April 1988 through 31 March 1989. (Project 766678 - New)

\$1,838.00 - State of Ohio, Department of Natural Resources, Columbus, Ohio, Primary Productivity Dynamics of a Coastal Freshwater Estuary on Lake Erie, Department of Natural Resources - OARDC and School of Natural Resources (W. J. Mitsch), 1 February 1988 through 1 June 1989. (Project 766591 - New)

\$1,000.00 - State of Ohio, Department of Natural Resources, Columbus, Ohio, Studies on the Biology of the Bigeye Chub, Hybopsis amblops, Department of Zoology (T. M. Cavender), 30 March 1988 through 1 June 1989. (Project 766701 - New)

\$950.00 - State of Ohio, Department of Natural Resources, Columbus, Ohio, Life History of the Northern Madtom, Noturus stigmaosus, Department of Zoology (T. M. Cavender), 30 March 1988 through 1 June 1989. (Project 766700 - New)

TOTAL - STATE OF OHIO AWARDS \$ 50,829.00

Industrial Research Contracts/Grants

\$311,592.00 - Pfizer, Inc., Groton, Connecticut, Phase I Double-Blind, Placebo-Controlled, Escalating Multiple Dose Pharmacokinetic and Toleration Study of Oral CP-66,948 in Normal Male Volunteers, Department of Pharmacology (N. Gerber), 1 January 1988 through 31 December 1988. (Project 765696 - Continuation)

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Industrial Research Contracts/Grants (contd)

\$175,376.00 - Pfizer, Inc., Groton, Connecticut, A Phase I Study to Evaluate the Dose Relationship of the Uricosuric Activity of Single Doses of CP-73,850 and to Compare the Activity of CP-73,850 to a Single Dose of Probenecid, Department of Pharmacology (N. Gerber), 1 January 1988 through 31 December 1988. (Project 765696 - Continuation)

\$154,757.16 - Rosemount, Inc., Burnsville, Minnesota, Advanced Radar Cross Section Measurements, Department of Electrical Engineering, ElectroScience Laboratory (J. D. Young), 1 March 1988 through 28 February 1989. (Project 766668 - New)

\$129,520.00 - Pfizer, Inc., Groton, Connecticut, A Phase I Multiple Dose, Double-Blind, Placebo-Controlled Study of the Safety, Toleration, and Pharmacokinetics of CP-68,772 in Healthy Male Volunteers, Department of Pharmacology (N. Gerber), 1 April 1988 through 31 March 1989. (Project 765696 - Continuation)

\$104,937.00 - Rockwell International, Los Angeles, California, Extended Radar Cross Section Studies, Department of Electrical Engineering, ElectroScience Laboratory (L. Peters, Jr., W. D. Burnside, B. A. Munk, and L. W. Henderson), 1 November 1987 through 30 September 1988. (Project 766480 - Continuation)

\$100,055.00 - Systems Research Laboratories, Inc., Dayton, Ohio, Single Channel Short-Pulse Transceiver System, Department of Electrical Engineering, ElectroScience Laboratory (W. D. Burnside), 15 January 1988

\$73,580.00 - American Cyanamid Company, Pearl River, New York, A Double-Blind, Parallel Group, Dose Response Study Comparing the Efficacy and Safety of 2.5 mg, 10 mg, and 40 mg Bisoprolol to Placebo Given Once Daily (After a Placebo Run-in Phase) in Patients with Stable Angina Pectoris Due to Coronary Heart Disease, Department of Internal Medicine (D. B. Van Fossen), 1 March 1988 through 31 August 1989. (Project 766705 - New)

\$72,107.55 - Rosemount, Inc., Burnsville, Minnesota, Moment Method Scattering Analysis of Absorber-Coated 2D Bodies, Department of Electrical Engineering, ElectroScience Laboratory (E. H. Newman), 1 March 1988 through 28 February 1989. (Project 766666 - New)

\$50,201.33 - Rosemount, Inc., Burnsville, Minnesota, Moment Method Scattering Analysis of Absorber-Coated 2D Bodies, Department of Electrical Engineering, ElectroScience Laboratory (J. D. Young), 1 March 1988 through 28 February 1989. (Project 766667 - New)

\$25,220.00 - Apple Computer, Inc., Cupertino, California, Exploring the Thinking Processes Engaged Across Writing Activities in the Apple Classroom of Tomorrow in West High School, Columbus, Ohio, Department of Education Theory and Practice (R. J. Tierney), 1 November 1987 through 31 August 1988. (Project 766687 - Continuation)

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Industrial Research Contracts/Grants (contd)

\$25,000.00 - General Electric Company, Schenectady, New York, Ultrahigh Temperature Composite Materials and Process Screening, Department of Ceramic Engineering (E. R. Kreidler), 1 January 1988 through 30 September 1988. (Project 765952 - Continuation)

\$24,088.00 - Joint Medical Products, Stamford, Connecticut, Initial Fixation of Threaded Acetabular Cups, Department of Surgery (A. S. Litsky), 1 April 1988 through 31 March 1989. (Project 766669 - New)

\$22,935.00 - Knoll Pharmaceuticals, Whippany, New Jersey, Isoptin®SR V-96-SR Study, Department of Family Medicine (R. M. Guthrie) and Department of Pharmacology (N. Gerber), 1 March 1988 through 30 September 1988. (Project 765696 - Continuation)

\$10,040.00 - The Lubrizol Corporation, Wickliffe, Ohio, The Relative Effects of Diets Containing High-oleic Sunflower Oil, Corn Oil, or Butter on Serum Lipids in Men, School of Allied Medical Professions (G. M. Wardlaw) and Department of Human Nutrition and Food Management (J. T. Snook), 1 September 1987 through 31 August 1988. (Project 766293 - Continuation)

\$8,149.00 - Pfizer, Inc., Groton, Connecticut, Phase I Double-Blind, Placebo-Controlled, Escalating Single and Divided Dose Pharmacokinetic and Toleration Study of Oral CP-76,593 in Normal Male Volunteers, Department of Pharmacology (N. Gerber), 1 July 1987 through 30 June 1988. (Project 765696 - Continuation)

\$4,275.00 - Motorola, Inc., Schaumburg, Illinois, MTEC Senior Executive Program -- Technical Writing Assistance, The National Center for Research in Vocational Education (R. D. Ryan), 4 March 1988 through 31 May 1988. (Project 766681 - New)

\$2,900.00 - Kemin Industries, Inc., Des Moines, Iowa, The Vitamin E Sparing Effects of Several Antioxidants, Department of Poultry Science - OARDC and Department of Poultry Science (J. D. Latshaw), 1 April 1988 through 31 May 1988. (Project 766620 - Continuation)

\$2,288.00 - Bennett and Williams, Inc., Columbus, Ohio, Grass Pollen Count Analysis, Byrd Polar Research Center and Department of Zoology (P. A. Colinvaux) and Byrd Polar Research Center (W. R. Eisner), 2 March 1988 through 30 September 1988. (Project 766698 - New)

TOTAL - INDUSTRIAL AWARDS \$1,297,021.04

Other Non-Federal Research Contracts/Grants

\$121,800.00 - University of Pennsylvania, Philadelphia, Pennsylvania, Conducting Electronic Polymers by Non-Redox Processes Synthesis, Physical Studies and Application, Department of Physics (A. J. Epstein), 1 March 1987 through 31 May 1988. (Project 765670 - Continuation)

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Other Non-Federal Research Contracts/Grants (contd)

\$91,556.00 - Muscular Dystrophy Association, New York, New York, Collaborative Investigation of Duchenne Dystrophy, Department of Neurology (J. R. Mendell), 1 March 1988 through 28 February 1989. (Project 761360 - Continuation)

\$66,571.00 - Midwest Research Institute, Golden, Colorado, Immobilization of Xylose Isomerase from Escherichia coli, Department of Biochemistry (G. E. Means), 1 May 1988 through 31 July 1989. (Project 766688 - New)

\$53,936.00 - University of Texas, Houston, Texas, Evaluation of Home Uterine Contraction Monitoring in Evaluation of High Risk Pregnancies, Department of Obstetrics and Gynecology (J. D. Iams), 1 December 1987 through 30 November 1988. (Project 766646 - New)

\$50,000.00 - W. K. Kellogg Foundation, Battle Creek, Michigan, Family Community Leadership, Cooperative Extension State Operations (R. M. Conone), 1 February 1988 through 31 January 1991. (Project 766692 - New)

\$39,992.00 - California Institute of Technology, Pasadena, California, Altimetry Research in Ocean Circulation, Department of Geodetic Science and Surveying (R. H. Rapp), 1 January 1988 through 31 December 1988. (Project 766536 - Continuation)

\$29,781.00 - Indiana University, Bloomington, Indiana, Malaysia Cooperative Program, Department of English/Second Language (T. T. Diemer), 28 March 1988 through 31 March 1989. (Project 764972 - Continuation)

\$25,000.00 - American Otological Society, Inc., Minneapolis, Minnesota, Otosclerosis: Morphological, Histochemical, and Cell Culture Studies, Department of Otolaryngology (D. J. Lim), 1 July 1988 through 30 June 1989. (Project 766196 - Continuation)

\$24,600.00 - Danforth Foundation, St. Louis, Missouri, Leadership Skills for a Global Age: A Handbook for Students, Mershon Center for Education (R. B. Woyach and M. G. Hermann), 30 June 1988 through 30 June 1989. (Project 766699 - New)

\$24,500.00 - American Die Casting Institute, Inc., Des Plaines, Illinois, Die Casting Process -- Data Gathering and Analysis, Department of Industrial and Systems Engineering (R. L. Lewis), 1 March 1988 through 31 August 1988. (Project 766656 - New)

\$20,000.00 - The Universe Group, Washington, D.C., Science Animation Project, Department of Art Education (D. Stredney), 28 March 1988 through 30 June 1988. (Project 766659 - New)

\$14,958.00 - Canal Winchester Local Schools, Canal Winchester, Ohio, Innovative Development of Education in Agriculture (IDEA): A Program for Canal Winchester, Department of Agricultural Education (L. H. Newcomb), 1 July 1988 through 30 June 1989. (Project 766704 - New)

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Other Non-Federal Research Contracts/Grants (contd)

\$14,650.00 - The Colorado Public Utilities Commission, Denver, Colorado, Telecommunications Assistance to the Colorado Public Utilities Commission, National Regulatory Research Institute (D. N. Jones), 25 March 1988 through 30 June 1988. (Project 766662 - New)

\$10,293.00 - Schering-Plough Foundation, Kenilworth, New Jersey, Randomized Phase II Study of Recombinant GM-CSF in Patients with Small Cell Carcinoma of the Lung, Department of Internal Medicine (J. J. Rinehart), 23 March 1988 through 23 September 1988. (Project 766686 - New)

\$1,500.00 - Greater New York Academy of Prosthodontics Research Foundation, New York, New York, Nocturnal Bruxing Before and After Overdenture Treatment, Restorative and Prosthetic Dentistry (J. F. Bowley), 1 March 1988 through 28 February 1989. (Project 766711 - New)

\$1,144.00 - Cancer Therapy and Research Foundation of South Texas, San Antonio, Texas, Multidisciplinary Participation in the Cancer Control Activities of the Southwest Oncology Group, Department of Internal Medicine (S. P. Balcerzak), 1 February 1985 through 30 June 1988. (Project 765208 - Continuation)

TOTAL - OTHER NON-FEDERAL AWARDS **\$ 590,281.00**

ENGINEERING EXPERIMENT STATION

State Sponsored Research and Development

\$222,174.00 - Ohio Department of Development, TAEP, Columbus, OH, and Sheffield Measurement Division, Dayton, OH, "Scan and Gear Measurement Software," Department of Mechanical Engineering, 1 April 1988 through 31 March 1990. (312452)

\$2,670.00 - Ohio Department of Transportation, Columbus, OH, "Orientation Course for ODOT Summer Employment," Department of Civil Engineering, 28 March 1988 through 30 June 1988. (529753)

TOTAL - STATE SPONSORED RESEARCH AND DEVELOPMENT **\$ 224,844.00**

Industrial and Other Sponsored Research and Development

\$55,000.00 - Additional funding from Lockheed Missiles and Space Co., Inc., Sunnyvale, CA, "Lockheed Scattering Development Studies," Department of Electrical Engineering, 23 February 1987 through 30 June 1988. (312404, Ext. 1)

\$52,887.00 - Donald Cohen, O.D., Charlestown, WV, "Ultrasonic Tonometer Program," Department of Electrical Engineering, 1 April 1988 through 31 March 1989. (312457)

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

ENGINEERING EXPERIMENT STATION (contd)

Industrial and Other Sponsored Research and Development (contd)

\$50,000.00 - from various industries for membership in Engineering Research Center on Net Shape Manufacturing, Engineering Experiment Station. (529200)

\$50,000.00 - Whitaker Foundation, Camp Hill, PA, "Prototype Graphic Communication Device for Deaf Persons," Department of Engineering Graphics, 1 April 1988 through 31 March 1989. (312455)

\$48,833.00 - Additional funding from EPRI, Palo Alto, CA, "Influence of Hydrogen on PWSCC of Alloy 600 Tubing," Department of Metallurgical Engineering, 24 April 1987 through 30 September 1988. (312412, Ext. 2)

\$40,000.00 - Ford Motor Company, Dearborn, MI, "Noise and Transmission Error Testing," Department of Mechanical Engineering, 1 March 1988 through 31 December 1988. (312453)

\$39,999.00 - from 21 sponsors of 24 development projects in four departments/research areas of the College.

\$24,954.00 - General Electric, Cincinnati, OH, "The Effects of Alloying Elements on the Weldability of Investment Cast Superalloys," Department of Welding Engineering, 1 April 1988 through 2 December 1988. (312456)

\$20,000.00 - from various industry for membership into the Compact Radar Cross Section Measurement Range R&D Consortium, Department of Electrical Engineering. (312884)

\$15,000.00 - Amoco Oil Company, Naperville, IL, "Purchase of Equipment," Department of Chemical Engineering, 15 March 1988 through 31 December 1988. (529754)

\$14,000.00 - from various industries for membership in Gear Research Laboratory, Department of Mechanical Engineering. (529735)

\$13,000.00 - URS Dalton, Columbus, OH, "Evaluation of the Long Term Strength of Filament Wound Plastic Pipe," Department of Civil Engineering, 1 March 1988 through 31 October 1988. (312454)

\$10,000.00 - US Windpower Inc., Livermore, CA, "Wind Tunnel Tests/Vortex Generators," Department of Aeronautical and Astronautical Engineering, 17 March 1988 through 31 March 1988. (312451)

\$6,000.00 - from various industries for "Membership in Program to Develop Computer-Aided Machine Design Modules - Phase II," Department of Mechanical Engineering. (312594)

\$5,000.00 - Universal Energy Systems, Inc., Dayton, OH, "Advanced Simulation Language and Multi-Computer Design for Improving the Performance on Modeling and Control of Metal Forming Processes," Department of Computer and Information Science, 15 November 1987 through 30 June 1988. (312869, Ext. 3)

June 2 and 3, 1988 meeting, Board of Trustees

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

ENGINEERING EXPERIMENT STATION (contd)

Industrial and Other Sponsored Research and Development (contd)

\$1,000.00 - Additional monies from Battelle Memorial Institute, Columbus, OH, "FP&L St. Lucie Neutron Dosimetry," Department of Mechanical Engineering, 20 July 1988 through 15 March 1988. (312431, Ext. 2)

TOTAL - INDUSTRIAL AND OTHER SPONSORED RESEARCH \$ 445,673.00

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND

Establishment of Named Funds

Transportation Research Fund (Honda)

The Transportation Research Fund (Honda) was established June 3, 1988, by the Board of Trustees of The Ohio State University. As a part of Substitute Senate Bill No. 321 enacted by the General Assembly and approved by the Governor on January 21, 1988, an appropriation of \$6 million has been paid to the endowment portfolio of The Ohio State University to be used pursuant to section 3335.45 of the Revised Code. This appropriation was provided through proceeds from the sale of the Transportation Research Center of Ohio by the State of Ohio to Honda of America Manufacturing, Inc., and in accordance with the sales agreement reached between the State of Ohio and Honda.

This appropriation 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 from this fund is to be distributed annually to the Treasurer of the State of Ohio and, in turn, appropriated to The Ohio State University to be administered by the College of Engineering for the support and encouragement of research by The Ohio State University in automotive, vehicular, and related forms of transportation, and for the development of improved highway facilities for vehicular traffic. The activities to be funded are to be determined in accordance with procedures established by the Dean of the College of Engineering of The Ohio State University.

It is the desire of the State of Ohio that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in consultation with the appropriate college dean to carry out the desire of the State of Ohio.

**John H. McConnell Endowment Fund
for the Cancer Research Institute**

The John H. McConnell Endowment Fund for the Cancer Research Institute was established June 3, 1988, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from John H. McConnell of Worthington, Ohio.

June 2 and 3, 1988 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 H. McConnell Endowment Fund
for the Cancer Research Institute (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 shall be used to support cancer research as approved by the Medical Director of the Arthur G. James Cancer Hospital and Research Institute and the Dean of the College of Medicine. If it is determined that funding for cancer research is so ample, then the income from this fund may be used for those purposes deemed appropriate by the Medical Director of the Cancer Research Institute.

It is the desire of the donor that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees to carry out the desire of the donor.

The Ohio State University Marion Campus
Theodore B. Myers Scholarship Endowment

The Ohio State University Marion Campus Theodore B. Myers Scholarship Endowment was established June 3, 1988, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from Theodore B. Myers (B.S. '43, M.S. '48, and Ph.D. '58), Professor of Zoology, Marion Campus.

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.

Twenty percent (20%) of the annual income shall be added to the fund's principal. The remaining eighty percent (80%) shall be used to provide one or more scholarships or scholarship-loans to deserving students of merit who are attending The Ohio State University at Marion. Priority will be given to students who are studying the biological sciences. Repaid loans will be returned to the loan fund at the discretion of the Dean of the Marion Campus. Selection of the recipients will be made upon the recommendation of The Ohio State University Marion Campus Scholarship Committee in consultation with the Dean of the Marion Campus and the University Committee on Student Financial Aid.

It is the desire of the donor that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in consultation with the appropriate college dean, department chairperson, or program administrative officer to carry out the desire of the donor.

June 2 and 3, 1988 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 Papich Family Endowment Fund

The Papich Family Endowment Fund was established June 3, 1988, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from the Papich family members and their 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 shall be used to provide financial support to scholars and/or students engaged in research of Slavic manuscripts on microfilms of the Resource Center for Medieval Slavic Studies (related to Serbian Orthodox Religion and Culture), which is housed in the Hilandar Research Library. Requisitions for these funds will be initiated by the Director of the Research Center for Medieval Slavic Studies and approved by the Dean of the College of Humanities, in consultation with the University Committee on Student Financial Aid.

It is the desire of the donors that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees to carry out the desire of the donors, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for Slavic studies.

Change of Name and Description of Named Funds

**The Phi Kappa Phi Ohio State University
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. The name and description were changed June 3, 1988.

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) of not less than \$900 per scholarship to undergraduate students at any of the campuses of The Ohio State University. Annually, one scholarship shall be designated as the Ted R. Robinson Phi Kappa Phi Scholarship, to recognize the distinguished contributions of Dr. Ted R. Robinson to higher education and to the Honor Society of Phi Kappa Phi, which he

June 2 and 3, 1988 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 Funds (contd)

**The Phi Kappa Phi Ohio State University
Chapter Scholarship Fund (contd)**

served as a charter member in 1972, as president of The Ohio State University chapter in 1980-81, and as regional vice president in 1983. 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 Aid 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 which support and encourage the academic achievement of undergraduate students.

William Green Memorial Fund

The William F. Green Fund for Fellows and Scholars was established May 9, 1955, through a gift of \$100,000 from the American Federation of Labor in honor of and in memory of William Green, former president of the American Federation of Labor from 1924 to 1952. Mr. Green was born in Coshocton, Ohio, March 3, 1873, and rose from the ranks to labor statesmanship. He helped to define a significant period of labor history and philosophy. The name and description were changed June 3, 1988.

The principal is to be invested in accordance with Section 3335.12 G.C., the income to be used in the following manner:

1. Two undergraduate scholarships in the liberal arts, carrying a minimum annual stipend of approximately \$800.00 annually.
2. One or more graduate scholarships or fellowships in the field of labor and industrial relations carrying an annual stipend which is competitive with other graduate fellowships or assistantships at The Ohio State University.
3. A number of annual grants to trade union members wishing to attend labor institutes conducted jointly by the unions and The Ohio State University.

Candidates shall be selected by a committee appointed by the President of the University. The committee will comprise four members from the departments of the social sciences, two representatives from the Ohio State Federation of Labor, and a senior faculty member of the labor economics department who shall serve as chairperson.

If in any year the scholarships, fellowships, or grants are not awarded, the interest on the fund may be added to the principal or be devoted to

June 2 and 3, 1988 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 Funds (contd)

William Green Memorial Fund (contd)

uses recommended by the committee.

In case the designated uses for these funds should cease or diminish so as to create unused funds, then on the recommendation of the committee administering the fund, the Board of Trustees of The Ohio State University may use said income for the purpose of furthering education consistent with the original purpose of the fund. The committee shall preserve the approximate real value of all grants in terms of purchasing power by adjusting the number of grants and the amounts of the stipends.

The recipients shall be known as William Green Fellows or Scholars, and the American Federation of Labor shall annually receive a list of their names.

Noel F. George, Baker & Hostetler Chair in Law Fund

The Noel F. George Chair in Law Fund was established September 7, 1984, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from Noel F. George ('32 Law) and The George Foundation of Columbus, Ohio. The name was changed to the Mildred S. and Noel F. George Chair in Law Fund on March 1, 1985. The name and description were further changed June 3, 1988.

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 additional gifts shall be added to the principal until such time as the principal reaches \$750,000. At that time the annual income shall be used to provide salary and program support for the work of a distinguished scholar, researcher and teacher in Law. Appointment to the Chair will be recommended by the Dean of the College of Law to the Provost and approved by the Board of Trustees.

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 priorities to enhance the law program, at the discretion of the appropriate administrative official of the University who is then directly responsible for law education.

Change in Name of Fund

The Baker & Hostetler Law Library and Building 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

June 2 and 3, 1988 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)

The Baker & Hostetler Law Library and Building Fund (contd)

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. The name was changed to The Noel F. George - Baker & Hostetler Law Library Fund on February 7, 1986. The name was further changed June 3, 1988.

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 shall 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.

Change in Description of Named Fund

The Henry G. Cramblett Fund in Medicine

The Henry G. Cramblett Fund in Medicine was established May 5, 1988, by the Board of Trustees of The Ohio State University with a gift of \$500,000 to The Ohio State University Development Fund from the Estate of the late Mrs. Helen Simpson Lambacher (B.S.Ed. '33) of Venice, Florida. The \$500,000 gift, representing the initial distribution of Mrs. Lambacher's estate gift, memorializes her parents, Lynn and Sarah Simpson, and honors Dr. Henry G. Cramblett's service as Dean of the College of Medicine and Vice President for Health Sciences from 1973 to 1982. The description was changed June 3, 1988.

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.

When the final portion of Mrs. Lambacher's total gift of at least \$600,000 is added to the principal, an endowed chair will be established in accordance with the level of funding required to establish a chair at the time the donor's will was drafted in 1978. Subsequently, the annual income is to provide salary and program support in the Department of Pediatrics in The Ohio State University College of Medicine for the work of a distinguished pediatrician who is nationally noted for leading research and patient care in the area of infectious diseases. Appointment to the Cramblett Chair will be made at the recommendation of the Dean of the College of Medicine to the Provost and approved by The

June 2 and 3, 1988 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 Henry G. Cramblett Fund in Medicine (contd)

Ohio State University Board of Trustees after consultation with the Chair of the Department of Pediatrics and Dr. Henry G. Cramblett, as long as he is living.

It is the desire of the donor that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees in consultation with the appropriate dean, department chair, or program administrative officer to carry out the desire of the donor.

Change in Description of Professorship

Ernst & Whinney Professorship in Accounting

The Ernst & Ernst Professorship in Accounting was established February 3, 1978, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from Ernst & Whinney, The Ernst & Whinney Foundation and from current and former Ernst & Whinney staff members, partners and friends in honor of Richard T. Baker. The name was changed to the Ernst & Whinney Professorship in Accounting on November 30, 1979. The description was changed June 3, 1988.

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 shall be added to the fund's principal until the fund accumulates to \$750,000. During the interim, disbursements not to exceed \$40,000 per year from the annual income, additional gifts, and principal, if necessary, shall be made to support the present Ernst & Whinney Professor in Accounting. Upon reaching \$750,000, the annual disbursements will be limited to the annual earnings on these funds and additional contributions, if any, so that the book value of the endowed principal balance does not fall below \$750,000.

It is the desire of the donors that this fund should benefit the University in perpetuity. If the need for this fund should cease to exist or so diminish as to provide unused income, then another use shall be designated by the Board of Trustees, in consultation with the Dean of the College of Business and the Chairperson of the Department of Accounting, to carry out the desire of the donors.

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June 2 and 3, 1988 meeting, Board of Trustees

**EASEMENT
DAYTON POWER AND LIGHT COMPANY**

Resolution No. 88-140

Synopsis: Renewal of a power line easement to Dayton Power and Light Company is proposed.

WHEREAS in 1973 the University granted to Dayton Power and Light Company a 15-year easement consisting of a strip of land 10 feet wide and approximately 285 feet in length for an underground distribution line on property located near the Marysville Senior Citizen Housing Center in Marysville; and

WHEREAS this easement expired and Dayton Power and Light Company has requested a renewal of the easement for a period of 15 years; and

WHEREAS this easement will serve both University property and others and the University will receive a fee of One Thousand One Hundred Twenty-Five Dollars and No Cents (\$1,125.00) for this easement; and

WHEREAS the appropriate University offices have recommended the renewal of this easement:

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 this easement.

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

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**EASEMENT
UNITED TELEPHONE COMPANY OF OHIO**

Resolution No. 88-141

Synopsis: Renewal of a telephone line easement to United Telephone Company of Ohio is proposed.

WHEREAS in 1972 the University granted to United Telephone Company of Ohio a 15-year easement consisting of one strip of land approximately 75 feet in width and 200 feet in length and one strip of land approximately 70 feet in width and 502 feet in length for the relocation of telephone facilities at the Mansfield Regional Campus; and

WHEREAS this easement has expired and United Telephone Company of Ohio has requested a renewal of the easement for a period of 15 years; and

WHEREAS the telephone facilities serve University property; and

June 2 and 3, 1988 meeting, Board of Trustees

**EASEMENT
UNITED TELEPHONE COMPANY OF OHIO (contd)**

WHEREAS the appropriate University offices have recommended the renewal of this easement:

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 this easement.

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

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**RENEWAL OF LIFE, DEPENDENT LIFE, ACCIDENTAL DEATH & DISMEMBERMENT
HOSPITALIZATION, SURGICAL-MEDICAL, MAJOR MEDICAL,
DENTAL AND VISION PROGRAM BENEFITS**

Resolution No. 88-142

Synopsis: Renewal of the above faculty/staff benefit programs is recommended for award.

WHEREAS the Board of Trustees in previous resolutions has awarded these coverages and subsequent improvements to the carriers listed below -- until such time as deemed appropriate to seek new bids; and

<u>Coverage</u>	<u>Carrier</u>
Life, Dependent Life, Accidental Death & Dismemberment, Surgical-Medical and Major Medical	John Hancock Mutual Life Insurance Company
Hospitalization	Central Benefits Mutual Insurance Company
Dental and Vision	Community Mutual Insurance Company

WHEREAS William M. Mercer-Meidinger-Hansen Incorporated was employed to assist in the preparation of renewal bid specifications and proposal forms and in the evaluation and analysis of the carriers' responses and quotations for the continuation of the existing programs after June 30, 1988; and

WHEREAS after public advertisement, specification and proposal forms were mailed to twenty-five (25) carriers; seven (7) did not respond, seven (7) declined in writing to quote, and proposals were received from eleven (11) carriers; and

WHEREAS the appropriate University offices have reviewed the findings and conclusions detailed in the William M. Mercer-Meidinger-Hansen

June 2 and 3, 1988 meeting, Board of Trustees

**RENEWAL OF LIFE, DEPENDENT LIFE, ACCIDENTAL DEATH & DISMEMBERMENT
HOSPITALIZATION, SURGICAL-MEDICAL, MAJOR MEDICAL,
DENTAL AND VISION PROGRAM BENEFITS (contd)**

Incorporated report and have concluded that the following carriers be awarded the specified coverages at these estimated annual premiums:

<u>Coverage</u>	<u>Carrier</u>	<u>Annual Premium</u>
Life, Accidental Death & Dismemberment and Dependent Life	Community Life (Community Mutual Insurance Company) (Eff: NLT 1 September 1988)	\$3,245,124
Hospitalization	Central Benefits Mutual Insurance Company (Eff: 1 July 1988)	\$7,247,928
Surgical-Medical Major Medical	Community Mutual Insurance Company (Eff: NLT 1 September 1988)	\$7,181,796
Dental	Community Mutual Insurance Company (Eff: 1 July 1988)	\$3,425,448
Vision	Vision Service Plan (Eff: NLT 1 September 1988)	\$ 642,108

NOW THEREFORE

BE IT RESOLVED, That contracts for these coverages be awarded for a one-year period effective as specified above with the premium and the performance of the carriers to be reviewed annually. These insurance contracts will remain in force after the initial term until the Board of Trustees deems it appropriate to review the designation of the carriers and/or seek new premium quotations.

*Not Later Than (NLT)

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

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President Jennings made the following statement:

Thank you, Mr. Chairman. I will call on Mr. Ihrig to summarize our discussion of yesterday. I would point out that since you have passed that \$1,125 easement that that will be incorporated into this budget.

Mr. Berry:

That will make a significant impact.

June 2 and 3, 1988 meeting, Board of Trustees

President Jennings:

Weldon, will you summarize --

Mr. Ihrig:

During this summary what I will be doing is referencing this budget document, the gray document, that is at your places. Yesterday we reviewed in detail the process to develop the budget and pulled together the numbers for a balanced budget showing resources of \$990.1 million to support planned uses of \$989.8 million. Before going on, I would like to paraphrase that while these numbers are very large -- this will be, most likely, the last Current Funds Budget under a billion dollars on an annual basis -- that it isn't the dollars themselves that are the important part of this University, it is the people and the activities that they support that provide the excellence and the opportunities at Ohio State University. So these are only one of the means to an end.

In the second section of it, page 1, the document shows the overall budgeted resources in total. So this is a total University budget related to all sources of funds from State appropriations to fees, as well as the various gifts and grant activities that will be received and expended, and the sponsored research, as well as the earnings operations. As page 4 of the document shows, this represents a 5.4 percent increase in the total resources over the current fiscal year. The recommended budget for 1988-89 does incorporate the budget planning guidelines presented by President Jennings at your May Board meeting.

In addition to grouping Ohio State's budgets by campus, pages 6 and 7 show the sources and uses of funds by the basic fund categories we use to account for current revenues and expenditures: General Funds, Earnings Operations, and Restricted Funds are the three main categories. The Restricted Funds, budgeted at \$223 million or 22 percent of the total, are monies received for specific purposes specified by an external entity such as in the case of Federal or private sponsored research. These funds are accounted for so that they are only spent for the purposes agreed upon with the external organization or person providing the funds.

Earnings Operations, budgeted at \$325 million, or 33 percent of the total, are all those units who charge separately for their services, which includes University Hospitals, student dormitories, copying services, as well as sales of publications. These operations earn the revenues they spend, as well as pay University overhead and facilities costs. And we do budget those just like any earnings operations outside the University, with a profit and loss statement for which they are directed to break even and a balance sheet to pay their total costs. They also receive interest income on their positive balances, pay interest on any negative balances, and participate in allocations and reallocations throughout the University.

June 2 and 3, 1988 meeting, Board of Trustees

Mr. Ihrig: (contd)

The General Funds, budgeted at \$441 million or 45 percent of the total, are the unrestricted, non-earnings resources used to fund the core instructional, administrative, and physical plant activities at Ohio State. As shown on page 8 under the column titled "Unrestricted General," the major two sources of these funds are State instructional appropriations and student tuition and fees.

It is important to note that while the University's accounting system is based upon these three fund groups, management actions to support the needs of instruction, research, and support services are based upon making the best use of all available resources. The deans, vice presidents and department chairs have the flexibility and the responsibility to make maximum use of all available resources to support their priority needs.

Page 8 also summarizes the distribution of the University's total current resources for 1988-89 fiscal year. The column titled "All Funds" shows State appropriations as \$316 million, which represent 32.0 percent of total resources, a decrease from the 32.4 percent last year; while student tuitions represent 15.5 percent of current resources versus 15.1 percent last year.

The General Funds budget at Ohio State is directly impacted by student enrollment expectations, not only the numbers on each campus, but also the mix of students by class rank and program. Enrollments affect not only tuition revenue, but also the amount of State instructional subsidies. Since Ohio State Columbus has a legislated enrollment limit of 40,000 Full Time Equivalent (FTE) students, the mix between class rank and program will have the greatest impact on these resources.

Pages 13 and 14 show Ohio State's historical enrollments along with our expectations for this coming Autumn Quarter. The projected headcount enrollment of 52,893 on the Columbus Campus is expected to result in a non-exempt FTE enrollment of 40,297 versus the 40,598 this past Autumn Quarter. This decrease in non-exempt FTE results from the planned effort to reach the 40,000 FTE limit mandated by the General Assembly in the early 1970's.

As in prior years, we are concerned about the total impact on Ohio State's students of all student related charges that the University controls. The chart on page 20 shows that the increase in the package of University controlled charges to resident undergraduate and graduate students, including tuition, residence hall room and board, books, parking, and football and basketball tickets are about 7.8 percent, in total -- that is with a 7.8 increase, with a tuition increase recommended of 7.9 percent at the undergraduate resident level.

This 7.9 percent increase matches the State tuition assumptions used in the development of the instructional subsidy funding levels provided by the General Assembly. Since 1982, this University has been able to enhance accessibility by keeping tuition increases to approximately 50 percent of the levels

June 2 and 3, 1988 meeting, Board of Trustees

Mr. Ihrig: (contd)

included in the State budget. However, with modest increases in State support of this biennium and 3.6 percent this budget year, it is unfortunately our situation to no longer be able to retain this lower rate of increase. We have to set Ohio State's tuition level this year at the same level that has been recommended in the State budget.

Comparing Ohio State undergraduate fees with the Big Ten is difficult due to the variety of tuition arrangements, and not all of the Universities have yet decided on their new tuition rates. However, preliminary data indicates that this fee increase will keep Ohio State at its current rank of fifth out of the 9 public institutions in the Big 10. So this means that Michigan, Michigan State, Minnesota, and Wisconsin will still have tuitions higher than Ohio State. We also expect that Ohio State will retain its current ranking of 10th out of the 13 State universities in Ohio. And while we don't think that the University in quality in any sense ranks at those low levels, in the areas of tuitions we think we should be there. That is why we work very hard to keep our marketing positions as low as we can for accessibility.

The chart on page 21 provides a summary of undergraduate tuition since 1970-71, and the interesting column is the fifth one, which shows the tuitions over this period in constant 1988-1989 dollars. Over the past 18 years, Ohio State's undergraduate tuitions have increased only 7.47 percent over the inflationary rates of that period. This averages less than 1/2 of 1 percent increase per year over inflation. If we could add an excellence value factor to these data, I'm confident that Ohio State's students would be realizing a bargain exceeded nowhere else in the nation.

Details of the earnings budgets are provided on pages 27-31, and the table on page 27 shows that the University-wide average change in earnings rates for 1988-89 is only 4.9 percent, with a total average rate increase of 5.9 percent when tuitions are included.

Details on restricted and regional campus budgets are provided on pages 32-35.

We are presenting this balanced 1988-89 current funds budget totaling \$990.1 million for your consideration and recommend its approval.

I would be very happy to respond to any questions regarding this budget.

Mr. Wexner:

Just to polarize the point, what if Ohio State were the most expensive, why would that be bad?

June 2 and 3, 1988 meeting, Board of Trustees

Mr. Ihrig:

Because of the overall diversity of students that we have at Ohio State, our primary mission has been to maximize that diversity so that students from all economic levels have the ability to come to Ohio State.

Mr. Wexner:

What would be the range of difference? I didn't look at the page.

President Jennings:

In terms of the public sector of higher education -- if we would go to the top of the public sector you would have roughly a 50 percent increase in tuition.

Mr. Wexner:

I was asking about the 13 that you mentioned.

President Jennings:

Oh, the 13 --

Mr. Teaford:

Miami is about 50 percent higher.

President Jennings:

We go roughly 50 percent -- for both state and nationally in terms of the public sector. Private sector would be out of the question. The basic ingredient here is the accessibility issue. The implementation of that is a three-legged stool, it is the low tuition, adequate student financial aid, and work opportunities. Roughly 70 percent of our student body is involved in some sort of scholarship or work opportunity at the institution. And as this institution compares more to the classic land-grant -- in the Big 10 that would be Purdue, Indiana, Wisconsin, Michigan State, Minnesota. Whereas, Michigan, the University of Indiana, and the University of Iowa are not land-grant institutions and do not typically have the classic land-grant mission of educational opportunities to all those individuals intellectually qualified, but not necessarily financially qualified.

Mr. Wexner:

If I heard correctly, our mandate of service would be the same as Michigan States and they're the highest?

President Jennings:

Of the land-grant institutions, Michigan State is the highest in the Big 10.

Mr. Teaford:

Michigan is higher than Michigan State.

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Mr. Ihrig:

They're the land-grants, Michigan State.

Mr. Wexner:

I am seeing us as more analagous to Michigan State than Michigan.

Mr. Ihrig:

That is correct.

Mr. Wexner:

And Michigan State --

Mr. Ihrig:

Would be -- of the comparable institutions as far as the land-grant mission, Michigan State would be the highest in the Big 10.

Mr. Wexner:

And how much higher would they be than us?

Mr. Ihrig:

They are about \$1,000 a year higher.

Mr. Teaford:

So, again, 50 percent.

Mr. Ihrig:

Miami University in Ohio is the highest in the State, and they are about \$1,000 a year higher than Ohio State.

Mr. Wexner:

I think we should discuss that at greater length. I'm not proposing rejecting this proposal, but I guess as a merchant I'm interested in a competitor that does very well that has a price 50 percent higher than mine and seems to be serving its customers.

Mr. Teaford:

The reason Michigan State has the highest tuition is the State of Michigan is not supporting the --

President Jennings:

Oh no, the State of Michigan is actually supporting it better than we are. We are not only a low tuition institution, but we are a low State supported institution. We have come off of being a high tuition institution, you know when Weldon reports that less than 1/2 percent a year relative to inflation in the last 18

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President Jennings: (contd)

years. Ten years ago we were third in the Big 10 to Michigan and Michigan State, we have purposely driven that down. In the context of a State policy, over the last several years, we have been attempting to drive down tuition as a percent of cost to the traditional land-grant 1/3. We made great progress on that in the early '80's, moving from the 47 percent down to about 34 percent State-wide. This legislation that we are working with right now drives that number back up to State-wide about 40 percent for students paying the percent of cost. Tuition is indeed tied directly to State appropriations. You can see that. The way that we are budgeted, typically tuition is an off-set to our State appropriations. It is even more of an off-set at Ohio State because we have been doing less than what the State formulas have been recommending for several years now. This is the first time in seven years that we have done what the State appropriation is, the rest of the time it has been less. But we do continue to discuss that issue and monitor that issue. You should also note that in this budget is an appropriation for scholarships that keeps the purchasing power of the scholarship budget constant so that any student now at Ohio State, or coming to Ohio State, will have the same financial opportunities for scholarships that they had before, in terms of a percent of cost. So the students won't get driven out on the basis of these tuition increases either because of the 8 percent increase or because of new eligibilities because of the 8 percent increase. There is no question that we are a low tuition institution relative to not only the private, but relative to our public counterparts.

Mrs. Bowser:

I feel very strongly that we have to keep ourselves accessible to students. If it gets too high, there are students that even if you do have scholarship packages, are going to have difficulty coming up with the money to come. We do have a land-grant mission here and that is to make ourselves accessible.

President Jennings:

Absolutely.

Mr. Teaford:

As a matter of fact, it is hard to justify public education if not on the accessibility basis. We shouldn't be in that area if we do not have accessibility.

President Jennings:

But there again, I think, it is a very instructive to note that this budget reports 32 percent of it coming from the State of Ohio. John was saying yesterday, if you asked the public how much of our budget comes from the State of Ohio, most people would say 75-80%. The other important thing to note in this budget is about 30 percent from the State of Ohio, another 15 percent from the federal government, or about 45 percent of total

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President Jennings: (contd)

tax dollars in this budget. You look at the budget of a major comprehensive private institution, you find that institution is about 15 percent supported by their home state, and about 30 percent supported by the federal government, or about 45 percent tax dollars in the comprehensive private institution.

The federal tax dollars in the private schools are much higher because it comes from the student aid package which is given at the federal level as a percent of cost. If you qualify for student aid at Ohio State, you qualify for about \$4,000 a year full aid. If you qualify at MIT, you qualify for \$15,000 for aid. The point is that our cost structure -- not only are our prices lower, but our cost structure is substantially less. The old argument that the privates have to have higher tuition because of no tax dollars, that doesn't fly with the comprehensive privates, because the amount of tax dollars are roughly about the same. Now the privates don't like me saying that -- and the student aid of course doesn't show up in the budget as tax dollars, but it is there.

It is instructive also to note in the privates that more and more their student body comes from only two economic classes: the quite well-to-do or the quite poor. The privates have a big financial aid package, but they don't have the middle class. We have a lot of students where their economics background doesn't qualify them for direct aid, but does qualify them for work opportunities and so forth. Our lower tuitions, in general, allow us to keep bringing in that middle class at this institution. I think this is a major long-term advantage that we have today, in terms of our pricing structure as federal student financial aid begins to decline. But at the same time, that doesn't hit the argument about Michigan State or Purdue or Wisconsin who are above us.

Mr. Wexner:

I would find it enlightening to look at those -- not only a chart that measures us against State institutions and regionals, but against, let's say, the ten best land-grant or comparable institutions on a national level. I would like to look at our performance, say, against Texas, as well as Indiana -- whoever you might think the ten best competitors in terms of size, mandate, and quality of education are. I think we should be looking at a national model not a local model, because that is who we are competing with.

President Jennings:

We do look at that and you will find, generally, tuition goes down as you move west.

Mr. Wexner:

I'm thinking in terms of excellence.

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President Jennings:

Oh, I understand. That is why I keep insisting about comparing the State appropriation, because if you start on the East Coast, you will find high tuitions, generally, at the land-grant institutions. As you move west -- Texas, for example, has very low tuition.

Mr. Wexner:

But again, I think, that would even be useful in dealing with the Legislature, because if they have all the Ohio institutions competing with all the Ohio institutions, and they don't understand that we are competing with Texas or Oklahoma or whomever --

President Jennings:

In terms of publics, the best comparisons are the Big 10. There are some -- Berkeley is a public that we compare with, and UCLA, the Texas schools, the University of North Carolina. If you get outside of the publics, the Big 10 is our comparison. We do compare our faculty salaries to what we call Category 1, Ph.D. granting, institutions.

Mr. Teaford:

Unfortunately, the way the State funds -- the State treats us exactly the same as Shawnee State; namely X dollars per student. And there is no differentiation at all. That is the way the whole system of Regents -- I mean there was talk at one time that we weren't going to have a Regents anymore, but that is not true now. It would really take going to square one on all the funding, because they don't think we are any different from Shawnee State.

President Jennings:

Well, there is some differentiation because we get State subsidy on categories, so we get more for our graduate program and upper divisions. But for similar students at Shawnee State and Ohio State, the State subsidy is the same.

Mr. Wexner:

Education at higher levels.

President Jennings:

Well, that is right. The other thing, too, about the land-grant mission is that 100 years ago Ohio State was one of the few opportunities for quality education for the middle and poor class, but not today. In Ohio there are some very fine undergraduate opportunities other than Ohio State. The Legislature has already made that decision by putting a limit on our enrollment. We could easily, for example, right now have 80,000 to 90,000 students, or we could easily move to that in terms of our applications. But with this enrollment ceiling --

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President Jennings: (contd)

now we like that enrollment ceiling, because then you would also have a massive campus over on West Campus. We don't think we can get any bigger than we are now. But in terms of the land-grant mission, the State has always said, "every student can't go to Ohio State who wants to," because there is not enough room. And that is one of the reasons that we've gone to the selective admissions. But it is a question that we are constantly looking at, "what should our levels be?"

Mr. Berry:

Which is an advantage though. There are pros and cons in everything.

President Jennings:

Oh, yes. Well, the other thing that is coming, too, is that as selective admissions becomes more institutionalized -- and we are already seeing it, our attrition is declining, students aren't flunking out -- we are going to have more students in the upper division in junior and senior year on a relative basis. Since I've been here, the freshman class has dropped from 8,200 to 6,300, but the size of the institution remains the same.

Mr. Berry:

I think all universities and colleges across the country, public and private, have definitely one thing in common and that is they don't have enough money for everything they would like to do. And I don't think they ever will.

President Jennings:

They never have, but it is getting more critical. We talked a little bit about obsolescence. I think a classic example is that late this year we will become the first higher education institution to own the next generation Cray supercomputer. A \$22 million expenditure, plus an annual operating budget of \$7 million. That machine -- I was talking to some NSF people just the other day, and they expect that machine to be obsolete, totally obsolete in three years. Here is a \$22 million expenditure that is going to be out-of-date in three years. That is a pretty rapid turnover. While \$22 million in a billion dollar budget might not seem like a lot, it is still a lot of money.

Mrs. Bowser:

Well, the MRI -- by the time we got the building built we had to get the update, because in the year and a half, or two years it took to build the building --

President Jennings:

We actually slowed it down by a year to get a higher level of technology. This stuff is changing so rapidly. The biotech --

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President Jennings: (contd)

we used to kid the biological science people that all they needed was a petrie dish and a microscope, not any more. We put \$5 million into Rightmire Hall essentially for research in biotech. And if Pappachan Kolattukudy were here, today, he would say that is just the beginning. And he is right!

Mr. Berry:

Well, I think, again, I'll say for the record, Weldon, we complement you and your people for putting together this budget and President Jennings for setting out the guidelines. Overall, I think this is a very good budget considering all the pros and cons of it.

1988-89 CURRENT FUNDS BUDGET

Resolution No. 88-143

Synopsis: The budget for fiscal year 1988-89 is being submitted for adoption.

WHEREAS the levels of State support have been established for the second year of the 1987-89 biennium; and

WHEREAS appropriate planning and consultation within the University has been accomplished; and

WHEREAS the President is now prepared to present the 1988-89 budget:

NOW THEREFORE

BE IT RESOLVED, That the University Current Funds Budget for fiscal year 1988-89, as described in the accompanying text and tables, be approved, with authorization for the President to make expenditures within the projected income levels; and

BE IT FURTHER RESOLVED, That student fees be increased for all students beginning Autumn Quarter 1988, as specified in the Schedule of Student Fees incorporated in this resolution effective Autumn Quarter 1988; and

BE IT FURTHER RESOLVED, That the Secretary be instructed to incorporate all supporting documents into the minutes of the meeting, including faculty tenure approvals, salary rolls with promotions, and fees and charges for the fiscal year 1988-89, and to file these materials with the official records of this University.

Mr. Immke made the following statement:

Before I ask for your motion on that, the Personnel Committee of this Board met on June 2, 1988, and the following report is submitted to the Board of Trustees.

The position of President of this University is a highly visible one and as such, the President's performance is constantly being assessed by a variety of constituents, including faculty/staff/students, alumni, the media, and the public, in general. As is

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Mr. Immke: (contd)

customary, the Board's Personnel Committee has also reviewed and discussed the salient components of the President's performance. This report is a result of that process for 1988.

The Board continues to appreciate the leadership effort on behalf of the University by President Jennings. His devoted service combined with his energetic commitment has been admirable. Given his performance and demonstrated ability to get the job done we have determined that President Jennings's salary should be increased by 8 percent for fiscal year ending June 30, 1989.

The salary increase was determined based upon relevant market consideration and salaries of presidents of other major land-grant research institutions. The Secretary of the Board is hereby authorized and directed to develop the appropriate documents to effectuate this change in salary.

May I now have a motion to approve the President's budget report and recommendations, as well as the Personnel Committee's proposal relative to President Jennings's salary for the coming year?

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

**1988-89 CURRENT FUNDS BUDGET
THE OHIO STATE UNIVERSITY**

I. INTRODUCTION

This year, the budget for the next fiscal year, 1988-89, can be presented to this Board at its June meeting, which is consistent with normal university practices. Since the Ohio General Assembly enacted a biennial budget effective 1 July 1987, we know the rate of State support available. This enables the 1988-89 budget to be brought forward at this June meeting of the Board of Trustees.

While pleased that we know the level of State funding, the rate of increase, at only 3.6 percent for instructional subsidies, makes even more imperative that \$12 million in internal reallocations occur again in 1988-89. This University's long-standing commitment to keeping costs as low as possible is being further challenged as Ohio State seeks to provide the resources needed to continue its initiatives to enhance excellence in teaching, research, and related service. Faculty and staff members already have contributed significantly to the overall quality that exists at Ohio State. Our challenge is to do even more, as we are faced with lower rates of increase from State resources.

Another notable aspect of this budget is that this will be the first budget since 1982 in which Ohio State's recommended tuition increase will be at the level included in State biennial budget legislation. In prior years, this University has met its commitment to accessibility by keeping tuition increases to approximately 50 percent of the levels included in the State budget, and even had no tuition increase in 1986-87. However, Ohio State's financial ability to maintain these lower rates of tuition increases no longer exists, and we must now recommend increases at the

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**1988-89 CURRENT FUNDS BUDGET
THE OHIO STATE UNIVERSITY (contd)**

rates proposed by the Ohio General Assembly. It is our hope that future tuition increases can be held to lower levels as the State budget is developed for the next biennium.

Even with 1988-89 being an extremely tight year in the level of budget increases, the faculty and staff have shown and will continue to demonstrate their commitment to assuring the highest quality instruction, research and services within the available resources.

II. SOURCE OF FUNDS

Current Funds Budget Resources proposed for 1988-89 total \$990,160,000 as summarized by funding source in the Budgeted Resources. This amount includes State support totaling \$316,440,000, which represents 32.0 percent of the total income budget. Other major sources of income include student tuitions, 15.5 percent, Federal grants and contracts, 10.2 percent, and Hospital Sales and Services at 20.3 percent.

The core instructional and general budgets of the University -- Unrestricted General Funds -- are estimated to have resources of \$441.86 million, which amounts to 45 percent of total resources. Earnings operations -- such as University Hospitals, Residence Halls, Athletics, and the like -- are budgeted to bring in \$325.12 million, which accounts for 33 percent of total resources. The remaining 22 percent of resources is in the restricted fund group which includes sponsored research projects, most private gifts, and such State-funded activities as the Ohio Cooperative Extension Service and the Ohio Agricultural Research and Development Center.

As reported earlier, it has been a goal of the University to hold tuition increases below the rates of increases recommended by the General Assembly, but this year -- with continued modest increases in State support -- our ability to achieve this goal has been exhausted. We are therefore recommending for Ohio residents the 8 percent increase in student Instructional and General fees that underlies the State funding models for 1988-89.

The review of tuition charges for non-resident students begun last year has been continued. The results of this review have indicated that the amounts for undergraduate, graduate, and law non-resident students continue to fall short of equitable levels. Therefore, selective increases of not more than 16 percent are being recommended for the non-resident surcharge.

The recommended tuition rates for both residents and non-residents of the various colleges and schools are shown in the Student Fee Schedule. While the rate of tuition increase for Ohio residents matches that recommended by the General Assembly, we continue to hope for significant improvements in future biennia that will return Ohio undergraduate students' share of their cost of higher education to the 33 percent level from the current 41 percent.

A major funding source for the University continues to be revenues from the sales and services of the earnings units. Continuing efforts to

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1988-89 CURRENT FUNDS BUDGET
THE OHIO STATE UNIVERSITY (contd)

monitor and limit increases in all fees and charges of the University, the average increase in all University rates and charges will be approximately 6 percent. The weighted average of the earnings operations in total has been held to just under 5 percent, with Athletics proposing average rate increases of only 2 percent. Since the earnings operations have participated fully in the cost containment and reallocation activities this biennium, they are also eligible to compete for special needs allocations along with general funds units.

The other income components of the 1988-89 Current Funds Budget are in line with expected growth from 1987-88 revenues. Projected total revenues for 1988-89 show an increase of \$50,330,000, which is some 5.4 percent above the estimated revenues for 1987-88. The projected rate of increase is slightly higher at the Regional Campuses and lower at the Ohio Agricultural Research and Development Center, with the net increase for Central Campus being approximately 5.5 percent.

III. USES OF FUNDS

As detailed in the Budgeted Uses schedule, and in the supporting documents, this University's planned expenditures from current funds total \$989,840,000. This level of recommended Current Funds expenditures will support the following budget planning guidelines:

- * Increase faculty, administrative and professional, and classified staff salaries by 1.5 percent and provide 2.5 percent in salary funds for merit increases, with a 1.0 percent pool available on a competitive basis for equity, excellence, and market adjustments.
- * Fund Compensation increases for negotiated wage settlements.
- * Fund increases of 3.0 percent in supplies, equipment, and general expense continuing budgets.
- * Provide funding to maintain the purchasing power of University-funded student financial aid, plus cover new students who may qualify with the increases in tuition.
- * Generate internal reallocations of \$12.0 million across all campuses and fund groups.
- * Provide resources to meet mandatory cost increases, such as utilities and employee benefits. Extraordinary cost increases in these categories include the mandated removal of PCB transformers and an unusually high increase -- of some 40 percent -- in the cost of providing medical benefits.

In addition, the 1988-90 State Capital Improvements bill is expected to provide more than \$10.0 million for acquisition of instructional and computer equipment, to be supplemented by a University allocation of \$2.3 million for research equipment and library acquisitions.

This balanced budget for 1988-89 is being presented for Board of Trustees approval.

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THE OHIO STATE UNIVERSITY
1988-89 CURRENT FUNDS BUDGET

Budgeted Resources
(In Millions of Dollars)

	1987-88 Budget July 10, 1987	1987-88 Revised Estimate	1988-89 Proposed Budget
Central Campus			
State Appropriations	\$273.27	\$272.70	\$284.72
Student Fees	133.91	133.32	144.55
Other Resources			
Federal Grants and Contracts	92.00	92.40	94.03
Ohio Grants and Contracts	9.33	10.86	12.05
Local Grants and Contracts	11.88	11.89	12.44
Private Gifts and Grants	46.21	48.81	51.00
Endowment Income	8.30	8.30	9.10
Department and University Services	27.24	26.13	27.43
Auxiliary Sales & Charges	76.72	76.47	82.09
Hospital Sales & Services	192.91	192.39	201.35
Other Sources	14.22	13.95	17.05
Total Other Resources	\$478.81	\$481.20	\$506.54
Total Central Campus	\$885.99	\$887.22	\$935.81
Regional Campuses			
State Appropriations	11.75	11.58	12.18
Student Fees	7.66	8.00	8.82
Other Resources	3.25	3.23	3.24
Total Regional Campuses	\$22.66	\$22.81	\$24.24
OARDC			
State Appropriations	19.15	19.15	19.54
Federal	6.55	6.55	6.65
All Other	4.10	4.10	3.92
Total OARDC	\$29.80	\$29.80	\$30.11
Total University			
State Appropriations	304.17	303.43	316.44
Student Fees	141.57	141.32	153.37
Other Resources	492.71	495.08	520.35
Total University	\$938.45	\$939.83	\$990.16

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THE OHIO STATE UNIVERSITY
1988-89 CURRENT FUNDS BUDGET

Budgeted Uses
(In Millions of Dollars)

	1987-88 Budget July 10, 1987	1987-88 Revised Estimate	1988-89 Proposed Budget
Central Campus			
Educational & General	\$599.35	\$601.15	\$630.71
Auxiliary Enterprises			
Residence & Dining Halls	34.49	33.68	36.42
Intercollegiate Athletics	19.25	19.58	20.70
Other Auxiliaries	27.54	27.27	31.02
Total Auxiliaries	\$81.28	\$80.53	\$88.14
University Hospitals	201.67	205.17	216.96
Total Central Campus	\$882.30	\$886.85	\$935.81
Regional Campuses			
Agricultural Technical Institute	5.66	5.62	5.83
Lima Campus	4.67	4.63	5.03
Mansfield Campus	4.28	4.20	4.53
Marion Campus	3.51	3.48	3.88
Newark Campus	3.96	4.30	4.66
Total Regional Campuses	\$22.08	\$22.23	\$23.92
OARDC	29.80	29.80	30.11
Total Uses	\$934.18	\$938.88	\$989.84

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Student Fee Schedule (Fees Per Quarter)

College or School	Credit Hours Enrollment	Instruct. Fees	General Fees	Resident Total	Non- Resident Tuition	Non- Resident Total
Undergraduate Colleges						
Agriculture						
Allied Medical Prof.						
Architecture						
The Arts						
Biological Sciences						
Business						
Continuing Education						
Dental Hygiene						
Education						
Engineering	0	46	9	55	50	105
Health, Phys. Educ., & Rec.	1	91	17	108	100	208
Home Economics	2	114	25	139	199	338
Humanities	3	137	33	170	299	469
Journalism	4	183	44	227	399	626
Mathematics & Physical Sci.	5	228	55	283	498	781
Music	6	274	66	340	598	938
Natural Resources	7	320	77	397	698	1,095
Nursing	8	365	88	453	797	1,250
Pharmacy	9	411	99	510	897	1,407
Social & Behavioral Sciences	10	457	110	567	997	1,564
Social Work	11	502	121	623	1,096	1,719
University College	12+	548	132	680	1,196	1,876
Graduate School						
	0	48	9	57	68	125
	1	95	17	112	136	248
	2	152	26	178	273	451
	3	228	40	268	409	677
	4	304	53	357	545	902
	5	381	66	447	682	1,129
	6	457	79	536	818	1,354
	7	533	92	625	954	1,579
	8	609	106	715	1,090	1,805
	9	685	119	804	1,227	2,031
	10+	761	132	893	1,363	2,256

THE OHIO STATE UNIVERSITY
1988-89 CURRENT FUNDS BUDGET

Student Fee Schedule (Fees Per Quarter)

College or School	Credit Hours Enrollment	Instruct. Fees	General Fees	Resident Total	Non-Resident Tuition	Non-Resident Total
Graduate Professional						
Law	0	84	13	97	136	233
(Fees Per Semester)	1	168	25	193	272	465
	2	269	40	309	434	743
	3	404	59	463	652	1,115
	4	539	79	618	869	1,487
	5	674	99	773	1,086	1,859
	6	808	119	927	1,303	2,230
	7	943	139	1,082	1,520	2,602
	8	1,078	158	1,236	1,738	2,974
	9	1,212	178	1,390	1,955	3,345
	10+	1,347	198	1,545	2,172	3,717
Pharmacy, Doctor of	0	56	9	65	91	156
(Fees Per Quarter)	1	112	17	129	181	310
	2	180	26	206	290	496
	3	269	40	309	434	743
	4	359	53	412	579	991
	5	449	66	515	724	1,239
	6	539	79	618	869	1,487
	7	629	92	721	1,014	1,735
	8	718	106	824	1,158	1,982
	9	808	119	927	1,303	2,230
	10+	898	132	1,030	1,448	2,478

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THE OHIO STATE UNIVERSITY
1988-89 CURRENT FUNDS BUDGET

Student Fee Schedule (Fees Per Quarter)

College or School	Credit Hours Enrollment	Instruct. Fees	General Fees	Resident Total	Non- Resident Tuition	Non- Resident Total
Graduate Professional						
Medicine	0	100	9	109	195	304
(Fees Per Quarter)	1	199	17	216	390	606
	2	319	26	345	625	970
	3	479	40	519	937	1,456
	4	638	53	691	1,249	1,940
	5	798	66	864	1,562	2,426
	6	957	79	1,036	1,874	2,910
	7	1,117	92	1,209	2,186	3,395
	8	1,276	106	1,382	2,498	3,880
	9	1,436	119	1,555	2,811	4,366
	10+	1,595	132	1,727	3,123	4,850
Dentistry	0	82	9	91	178	269
Optometry	1	164	17	181	355	536
Veterinary Medicine	2	262	26	288	567	855
(Fees Per Quarter)	3	392	40	432	851	1,283
	4	523	53	576	1,134	1,710
	5	654	66	720	1,418	2,138
	6	785	79	864	1,702	2,566
	7	916	92	1,008	1,985	2,993
	8	1,046	106	1,152	2,269	3,421
	9	1,177	119	1,296	2,552	3,848
	10+	1,308	132	1,440	2,836	4,276

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THE OHIO STATE UNIVERSITY
1988-89 CURRENT FUNDS BUDGET

Student Fee Schedule (Fees Per Quarter)

College or School	Credit Hours Enrollment	Instruct. Fees	General Fees	Resident Total	Non-Resident Tuition	Non-Resident Total
Regional Campuses						
Undergraduate	0	46	7	53	50	103
	1	91	13	104	100	204
	2	114	20	134	199	333
	3	137	27	164	299	463
	4	183	35	218	399	617
	5	228	44	272	498	770
	6	274	53	327	598	925
	7	320	62	382	698	1,080
	8	365	71	436	797	1,233
	9	411	80	491	897	1,388
	10	457	88	545	997	1,542
	11	502	97	599	1,096	1,695
	12+	548	106	654	1,196	1,850
Graduate	0	48	7	55	68	123
	1	95	13	108	136	244
	2	152	21	173	273	446
	3	228	32	260	409	669
	4	304	42	346	545	891
	5	381	53	434	682	1,116
	6	457	64	521	818	1,339
	7	533	74	607	954	1,561
	8	609	85	694	1,090	1,784
	9	685	95	780	1,227	2,007
	10+	761	106	867	1,363	2,230

June 2 and 3, 1988 meeting, Board of Trustees

REPORT - UNIVERSITY'S INVESTMENT PORTFOLIO

Resolution No. 88-144

RESOLVED, That the report on the University's Investment Portfolio, dated May 20, 1988, 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, July 7, 1988, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, at 6:30 p.m.

Attest:

Madison H. Scott
Secretary

Leonard J. Immke
Chairman

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