

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

COLUMBUS

July 1, 1981 to June 30, 1982

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1981/82.

1981-1982

THE OHIO STATE UNIVERSITY

Harold L. Enarson, *President*
(July 1, 1981 - August 31, 1981)

Edward H. Jennings, *President*
(September 1, 1981 - June 30, 1982)

BOARD OF TRUSTEES

	Term Beginning	Term Expiring
Chester Devenow, Toledo	May 14, 1973	May 13, 1982
Warren J Smith, Columbus	January 6, 1975	May 13, 1983
John D. Jacob, Columbus	May 14, 1975	May 13, 1984
Donald James Hilliker, Bellefontaine	May 14, 1976	May 13, 1985
John F. Havens, Delaware	May 14, 1977	May 13, 1986
Daniel M. Galbreath, Columbus	May 14, 1978	May 13, 1987
Edmund C. Redman, Columbus	May 14, 1979	May 13, 1988
Leonard J. Immke, Columbus	May 14, 1980	May 13, 1989
John W. Berry, Dayton	May 14, 1981	May 13, 1990
Shirley Dunlap Bowser, Williamsport	May 14, 1982	May 13, 1991

OFFICERS

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

* November 9, 1981

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THE OHIO STATE UNIVERSITY
OFFICIAL PROCEEDINGS OF THE
ONE THOUSAND ONE HUNDRED AND SEVENTY-FIRST MEETING
OF THE BOARD OF TRUSTEES

Columbus, Ohio, July, 10, 1981

The Board of Trustees met at its regular monthly meeting on Friday, July 10, 1981, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, pursuant to adjournment.

Present: Chester Devenow, Chairman, Warren J Smith, John D. Jacob, D. James Hilliker, John F. Havens, Edmund C. Redman, Leonard J. Immke, and John W. Berry.

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Minutes of the last meeting were approved.

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July 10, 1981 meeting, Board of Trustees

The Chairman, Mr. Devenow, called the meeting of the Board of Trustees to order at 12:15 p.m. He requested the Secretary to call the roll. The meeting recessed into Executive Session for the purpose of considering personnel-related matters.

Present: Chester Devenow, Chairman, John D. Jacob, D. James Hilliker, John F. Havens, Edmund C. Redman, Leonard J. Immke, and John W. Berry.

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

RESOLUTION IN MEMORIAM

Resolution No. 82-1

Synopsis: A resolution honoring the service of one of this University's faculty members who has recently died is being proposed.

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

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

J. Norman Staiger

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on June 21, 1981, of J. Norman Staiger, Professor Emeritus, School of Music (College of the Arts).

Professor Staiger joined the faculty of The Ohio State University in 1946, and served in the area of choral conducting and teacher of voice, as well as being the head of the voice section for many years. He was Director of the Men's Glee Club for over thirty years, during which time the Club became known throughout the United States as a most progressive organization. The Club toured extensively and under Professor Staiger's direction appeared on the Ed Sullivan Show as well as The Voice of Firestone-TV. For many years the Club enjoyed a friendly rivalry with the University of Michigan Men's Glee Club in their annual exchange concerts.

In addition to his University activities, Professor Staiger for many years was tenor soloist at the First Community Church as well as Director and Cantorial Soloist of Temple Israel in Columbus. He had sung on several nationally famous radio programs and had appeared as a soloist in Carnegie Hall in New York City. He gained prominence in the midwest as a soloist in oratorio and church work. At the time of death, he was the choir director of Epworth Methodist Church.

Professor Staiger was born in Toledo, Ohio, in 1911, and educated in the Toledo public schools. He received his formal education at the University of Toledo where he was awarded the Bachelor of Science in Education degree in 1934, and the Master of Science degree from

July 10, 1981 meeting, Board of Trustees

RESOLUTION IN MEMORIAM (contd)

J. Norman Staiger (contd)

the same institution in 1937. Both of these degrees were in the field of chemistry. In 1958 he was awarded the degree Master of Arts in music from The Ohio State University. He also engaged in advanced study at the Juilliard School of Music and the Cleveland Institute of Music. Prior to his career as a member of the faculty of the School of Music, he taught English, dramatics, speech-radio, and chemistry at Maumee High School and Shaker Heights High School in Ohio.

Over the years, Professor Staiger held membership in the Music Educators National Conference, the Ohio Music Education Association, Music Teachers National Association, and National Association of Teachers of Singing.

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

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**CHANGE NAME OF DEPARTMENT OF GEODETIC SCIENCE TO
DEPARTMENT OF GEODETIC SCIENCE AND SURVEYING**

Resolution No. 82-2

Synopsis: Name change of Department of Geodetic Science is proposed.

WHEREAS the College of Mathematical and Physical Sciences, and the Department of Geodetic Science have requested the Department's name be changed to Geodetic Science and Surveying; and

WHEREAS the addition of the word Surveying will acknowledge a major teaching and research activity currently being provided by the Department faculty; and

WHEREAS the College of Engineering has given its support to the request:

NOW THEREFORE

BE IT RESOLVED, That the proposal as approved by the University Senate June 6, 1981, to change the name of the Department of Geodetic Science to the Department of Geodetic Science and Surveying, be adopted.

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

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July 10, 1981 meeting, Board of Trustees

**ESTABLISHMENT OF PROGRAM LEADING TO BACHELOR OF SCIENCE IN
DENTAL HYGIENE DEGREE**

Resolution No. 82-3

Synopsis: It is proposed that a Bachelor of Science in Dental Hygiene Program be established.

WHEREAS the College of Dentistry and the Division of Dental Hygiene have requested approval to offer a new baccalaureate degree, Bachelor of Science in Dental Hygiene; and

WHEREAS the Bachelor of Science in Dental Hygiene will provide an undergraduate curriculum not duplicative of either of the dual-degree programs--Bachelor of Arts/Bachelor of Science (Colleges of the Arts and Sciences) or Bachelor of Science in Education; and

WHEREAS a qualified faculty, specialized equipment, and adequate clinical opportunities for graduates of the proposed program appear generally excellent; and

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

NOW THEREFORE

BE IT RESOLVED, That the foregoing proposal from the University Senate, which was adopted June 6, 1981, be adopted; and

BE IT FURTHER RESOLVED, That this proposal be forwarded to the Board of Regents pursuant to section 3333.04(N) of the Revised Code at the direction of the President when it is determined that adequate funds are available to inaugurate the program.

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

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AMENDMENTS TO RULES OF THE UNIVERSITY FACULTY

Resolution No. 82-4

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

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

3335-3-18 Director of libraries.

Paragraphs (B) and (C) are broadened to include the University archives within the jurisdiction of the Director of Libraries.

July 10, 1981 meeting, Board of Trustees

AMENDMENTS TO RULES OF THE UNIVERSITY FACULTY (contd)

3335-3-19 Director of registration, records and scheduling.

The title for the duties of the director enumerated in this rule is expanded to include scheduling.

3335-5-57 Committee on honorary degrees.

Paragraph (C) specifies that a full dossier on each candidate proposed must be supplied to the Secretary of the University faculty who shall distribute the nomination report to all members of the University Senate.

3335-7-19 Course examinations.

A sentence has been added which specifies that final examinations for graduating students shall be given at a time near the end of the course.

3335-7-20 Schedules for final examination.

Examinations for graduating students shall be arranged by individual instructors so that grades may be submitted in accordance with the deadlines established by the Office of Registration, Records and Scheduling.

3335-7-261 Recalculation of cumulative point-hour ratio.

Additional paragraph added to provide for the graduate school and professional colleges to formulate appropriate modifications of this rule and to publish the rule in their bulletins.

NOW THEREFORE

BE IT RESOLVED, That the foregoing amendments to *Rules of the University Faculty*, as approved by the University Senate on June 6, 1981, be adopted by the Board of Trustees for inclusion in the next publication of this document.

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

RULES

3335-3-18 Director of libraries.

(A) The director of libraries shall be appointed by the board of trustees upon nomination of the president. Before making his nomination the president shall confer with the vice president for educational services who, in turn, shall confer with representatives of the faculty of the university libraries and with the library council.

AMENDMENTS TO RULES OF THE UNIVERSITY FACULTY (contd)

RULES (contd)

- (B) The director of libraries shall have the responsibility and authority for administering the university libraries under the jurisdiction of that office and the university archives. In the discharge of library duties the director shall be guided by the policies established by the library council (see rule 3335-5-49 of the Administrative Code). The director shall report to the president through the vice president for educational services.
- (C) Without limiting the generality of the foregoing, the director shall evaluate continuously the administrative and operating practices of the university libraries under the jurisdiction of that office and the university archives, and lead in the study of methods in improving them; recommend appointments, promotions, and dismissals under the rules of the university; and prepare for the approval of the vice president for educational services annual recommendations for the budgets for personnel and for archives and library materials.

3335-3-19 Director of registration, records and scheduling.

Subject to the direction of the assistant vice president for registration services, the principal duties of the director of registration, records and scheduling shall be the supervision of the details of registration and records which shall include: distribution of registration forms; distribution of approved schedules; fee assessments and adjustments; record of fee payments; maintenance of current quarter schedules; maintenance of home or permanent addresses, name and address of person(s) to be notified in case of emergency, local addresses and the respective telephone numbers of all currently enrolled students; the posting of quarters of attendance; the posting of all courses and respective marks; recording of all probations and dismissals; recording of withdrawals; recording of all degrees earned and dates; recording of all past names and other demographic data; the distribution of the official student records to include the proper confidentiality safeguards; other routine duties associated with the registration, records and scheduling of students; special projects and duties that may be assigned from time to time by the assistant vice president for registration services.

3335-5-57 Committee on honorary degrees.

- (C) The full dossier of each candidate and the nomination report of the committee on honorary degrees shall be delivered to the secretary of the university faculty who shall distribute the nomination report to all members of the university senate. This report shall include a statement that conveys the committee's rationale for the nomination, pertinent details concerning the qualifications of the candidate, and the name of the sponsoring department or academic unit. A ballot shall be attached to the nomination report and shall be returned to the secretary of the university faculty within a time prescribed on the ballot, but in no case less than two weeks from the date that the committee report is distributed. The secretary shall transmit to the president the nominations, together with the appropriate sections of the reports from the committee on honorary degrees, for those candidates who are endorsed by a majority of the ballots cast by the members of the university senate.

July 10, 1981 meeting, Board of Trustees

AMENDMENTS TO RULES OF THE UNIVERSITY FACULTY (contd)

RULES (contd)

3335-7-19 Course examinations.

At the close of each course as defined in rule 3335-7-01 of the Administrative Code, an examination will be given on the student's capabilities relative to the stated course objectives, the method of examining to be determined by the instructor or supervisor of the course. Examinations in laboratory and seminar courses shall be optional with the instructor concerned. Examinations for graduating students shall be given at a time near the end of each course, preferably during the last week of classes.

3335-7-20 Schedules for final examination.

- (A) Examinations for classes taught on the regional campuses and for classes whose enrollment is exclusively of students registered in the colleges of dentistry, law, medicine, optometry, pharmacy, and veterinary medicine will be scheduled by the offices of the regional campuses and of the colleges respectively. All examination schedules prepared outside the office of registration, records and scheduling shall, before publication, be cleared with the office of registration, records and scheduling which shall have the power to resolve all conflicts.
- (B) Examinations for graduating students shall be arranged by individual instructors so that final grades for the affected students may be submitted to the office of registration, records and scheduling by the deadlines established by that office.
- (C) All other final examinations shall be centrally scheduled by the office of registration, records and scheduling. The official examination schedules shall be strictly adhered to by all instructors. Any deviation must first be approved by the appropriate university official (department chairman, regional campus dean and director, or college dean) in consultation with the office of registration, records and scheduling, which shall have the power to resolve all conflicts.
- (D) In performing its scheduling function the office of registration, records and scheduling shall limit individual examinations to two-hour duration and the total examination period to no more than five days.

3335-7-261 Recalculation of cumulative point-hour ratio.

- (A) An undergraduate student who re-enrolls in the university after an absence of five or more years may petition the dean or director of his enrollment unit to recalculate the cumulative point-hour ratio of his previous residency. If the petition is approved, all courses taken will remain on the permanent record. Those with marks of "A," "A-," "B+," "B," "B-," "C+," "C," "C-," "EM," "K," "PA," or "S" will be counted for credit only. No other marks will be counted for credit.

July 10, 1981 meeting, Board of Trustees

AMENDMENTS TO RULES OF THE UNIVERSITY FACULTY (contd)

RULES (contd)

- (B) If the petition is approved, the student resumes his academic program with no cumulative point-hour ratio, and thereafter is subject to the conditions of warning, probation, and dismissal that govern all students (see rules 3335-9-24 to 3335-9-28 of the Administrative Code).
- (C) Under the provisions of this rule a student, before graduation, must be re-enrolled for a minimum of
 - (1) Forty-five quarter credit hours and
 - (2) Three academic quarters.
- (D) All courses ever taken at the university will be used in the calculation of the cumulative point-hour ratio required for the purposes of graduation with honors.
- (E) The graduate school and graduate professional colleges may formulate appropriate modifications of this rule, subject to approval by the council on academic affairs, and shall publish the rule in their bulletins. (B/T 6/7/79, B/T 7/10/81)

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DEGREES AND CERTIFICATES - SUMMER QUARTER COMMENCEMENT

Resolution No. 82-5

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

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

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

NOW THEREFORE

BE IT RESOLVED, That the degrees and certificates be conferred on September 3, 1981, to those persons who have completed the requirements for their respective degrees and certificates and are recommended by the colleges and schools and that the names of those persons awarded degrees and certificates be included in the minutes of this meeting.

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

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HONORARY DEGREE

Resolution No. 82-6

Synopsis: Approval is requested for awarding an honorary degree.

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

Vernal G. Riffe, Jr.

Doctor of Laws

NOW THEREFORE

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

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

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President Enarson:

Next, of course, is the major item of the Board meeting and perhaps of the year. I am a little at a loss to know how to proceed on this. This was presented--I am tempted to say in painful detail--this morning by Dr. Vandament to the Fiscal Affairs Committee and to other members of the Board; I think that all but two members of the Board were with us at that time. The heart of the matter is stated, I think, very clearly in the formal budget resolution. Very, very briefly we simply presented our best judgment to the Fiscal Affairs Committee this morning in saying that the same uncertainties that provide a four-month budget dictate, we think, a four-month budget here. The time frame is such that action must be taken on any tuition increases--any increases in instructional charges--because we are only a short time period away from the Fall Quarter; so you will see a very substantial boost in tuition charges along with a change in the mix of charges. As I reported this morning, we are not making any recommendation with respect to faculty and staff salaries since we believe that issue, which is of transcendent importance, can only be resolved once the General Assembly has given this University, along with other elements of state government, a bundle of cash to use for the remainder of the year. We stressed in our presentation this morning that the action of the Ohio General Assembly is all important in terms of the quality of the enterprise in this coming year. I would underline that the instructional charges being recommended to you are for Autumn Quarter. Our hope is that some of those charges need not be levied for the remaining two quarters of the year. This was presented in detail to the Fiscal Affairs Committee to be moved by the chairman of that committee and, if acceptable, then we might be ready to answer questions if there are such.

July 10, 1981 meeting, Board of Trustees

BUDGET - 1981-1982

Resolution No. 82-7

Synopsis: Continuation of expenditure authorization and fee level authorization for 1981-82 are requested.

WHEREAS the State has adopted an interim budget for the first four months of Fiscal Year 1981-82 rather than an appropriations bill for the complete fiscal year; and

WHEREAS that interim budget bill provides funding to the University at a prorated level that is 3 percent lower than the reduced appropriation level of Fiscal Year 1980-81 and 9.8 percent lower than the original 1980-81 funding levels; and

WHEREAS final levels of State financial support for 1981-82 have not yet been established; and

WHEREAS it is prudent to defer decisions concerning salary levels and other expenditures until the General Assembly has adopted an appropriations bill determining State support; and

WHEREAS it is necessary to raise student fees to meet increasing fixed costs faced by the University during this period of fiscal uncertainty;

NOW THEREFORE

BE IT RESOLVED, That the University be authorized to make expenditures within those income levels contained in the Third Quarter Report of Fiscal Year 1980-81, adjusted for reductions in State support and changes in income from fees and charges, until the Current Funds Budget for 1981-82 is adopted; and

BE IT FURTHER RESOLVED, That the schedule of fees for the Autumn Quarter, 1981 including fee surcharges be hereby approved, and that the Secretary be instructed to incorporate all supporting documents into the minutes of this meeting, including salary rolls with fees and charges for the 1981-82 fiscal year, and to file these materials with the official records of the University; and

BE IT FURTHER RESOLVED, That the University administration work to ensure that faculty and staff compensation levels finally adopted for 1981-82 be adequate to maintain the University's competitive position among major universities and make recommendations to the Board concerning the continuation or elimination of fee surcharges beyond the Autumn, 1981 Quarter.

Background

On July 1, the General Assembly enacted and the Governor later signed, an interim budget for the State of Ohio (Am. H.B. 638) authorizing expenditures for the period of July 1 through October 31, 1981.

July 10, 1981 meeting, Board of Trustees

BUDGET - 1981-1982 (contd)

- This interim budget provides subsidy and other funding for higher education at 97 percent of the reduced 1980-81 appropriation level, prorated to cover the four-month period from July through October.
- Because the reduced 1980-81 support level was 7 percent lower than originally appropriated, this interim budget funds higher education at 90.2 percent of the original 1980-81 level ($.93 \times .97 = .902$) for these first four months of 1981-82.

In short, the University must get by with less State support during July-October than it received during 1980-81 when it became necessary to curtail the replacement of personnel, retrench College and Office budgets, increase student fees, cancel a mid-year salary increase, and cut sharply the University's central equipment budget.

- For this four-month period, therefore, the following cuts in State support from original 1980-81 levels will be made:

Columbus Campus Subsidy	\$-4.77M
Regional Campus Subsidy	-0.20M
Other Line-Item Funds	-0.68M
TOTAL	\$-5.65M

- Because the interim budget does not contain an annual appropriation, it is impossible to predict the total impact of future State support on the University's budget. If the reduced four-month subsidy rate of that budget were continued throughout 1981-82, the following annual cuts in State support from original 1980-81 levels would result:

Columbus Campus Subsidy	\$-14.2M
Regional Campus Subsidy	- 0.6M
Other Line-Item Funds	- 2.1M
TOTAL	\$-16.9M

- In the meantime, the University faces inflationary increases in the cost of goods and services necessary to maintain its programs. To illustrate this point, the Ohio Board of Regents recommended that the Columbus Campus receive instructional subsidies of \$165.2 million for 1981-82, accompanied by inflationary adjustments to student fees, to meet projected inflationary cost increases of 10 per cent. If annualized, the interim State budget would result in the following funding gap in State subsidy from the Regents' recommendations:

	Columbus Campus Subsidy
Regents' Request 1981-1982	\$165.2M
Interim Budget (if Annualized)	131.9M
Shortfall	\$ 33.3M

July 10, 1981 meeting, Board of Trustees

BUDGET - 1981-1982 (contd)

- Recent statements by the Governor and the leadership of the General Assembly indicate that they are aware of the severe fiscal problems confronting higher education and other agencies dependent on State funding. It has been widely reported that the first agenda item to be addressed when the General Assembly reconvenes in September will be methods to secure additional revenues to rescue vital State programs, including higher education, from financial crisis.
- The estimation of projected 1981-82 revenues--within a reasonable margin of error--becomes nearly impossible at this time. And the actions which would follow pessimistic budget projections could have great, long-range effects on the University. For example, if the four-month subsidy levels contained in the Interim Budget (Am. H.B. 638) were continued throughout the 1981-82 year, the University's budget would necessarily call for actions to severely curtail or eliminate several programs and services, and dismiss staff working in those areas. The University by this time has absorbed as much generalized retrenchment across its Colleges and Offices as is feasible. Even if such drastic actions later proved to be unnecessary because of funding relief, the damage to programs that had been targeted for curtailment--in the form of personnel and/or enrollment losses, low morale, sponsored funding losses, etc.--could require years to remedy if premature actions were taken.

Conclusions

- Given the preceding conditions, the most prudent course of action would appear to be the development of a four-month interim budget, deferring adoption of the final 1981-82 Budget until an appropriations bill is enacted for the State of Ohio. This four-month University budget must contain student fee increases sufficient to offset losses in State revenue and meet the University's fixed costs for utilities, etc. Fee increases, however, cannot be raised to a level that would offset inflationary costs as well. Thus, this four-month budget would defer salary and other budget increases until a final 1981-82 budget is enacted.
- Parallel to the adoption of a four-month University budget, procedures should be established to effect major curtailment of programs and services should such become necessary.

The University administration has been at work for some time identifying services and academic programs that must be severely curtailed or eliminated in the event that cuts of the magnitude contained in Am. H.B. 638 must be sustained on a permanent basis. During the summer months, therefore, consultation with the Vice Presidents and Deans, along with administrators of potentially affected units, will be undertaken to assess impact and to develop curtailment plans and schedules. The recommendations of the ad hoc Budget Advisory Council on criteria and principles for curtailment will be of particular value in this process.

If it becomes clear later that continuing cuts in State support require activation of curtailment plans, formal consultation processes involving affected faculty, staff, and students will be undertaken. The constituent groups to be consulted will vary with the degree to which curtailment of an activity will be felt across the University.

July 10, 1981 meeting, Board of Trustees

BUDGET - 1981-1982 (contd)

Recommendations

- It is recommended that the Board of Trustees adopt a four-month interim budget for 1981-82, adjusted from 1980-81 levels to reflect reductions in State support, increased fixed costs which cannot be avoided, and increases in student fees.
- It is further recommended that the Instructional and General Fees be increased, effective Autumn Quarter, 1981, to produce an increase in fee income of 24 percent over 1980-81 levels. To protect access for resident undergraduate students, the proposed fee schedule contains a realignment of the fee schedule with proportionately greater increases for graduate/professional programs and non-resident student enrollment.
- It is also recommended that a portion of these fee increases be effective *only* for the Autumn, 1981 Quarter and that fee levels for the remainder of the academic year be re-evaluated following adoption of the State appropriations bill for 1981-82. It is also understood that financial aid programs for professional programs must be strengthened if students having financial need are not to be denied access to those programs.
- During the four-month interim period, the University will continue to restrict and defer expenditures, seek additional general funds revenues, and prepare for the potential curtailment of programs and services. The following actions are included.
 - Indefinite continuation of hiring freeze--i.e., replacement of personnel by exception only.
 - Continuation of freeze on central equipment replacement program.
 - Continuation of \$3.0 million College and Office retrenchment established in June, 1981.
 - Implementation of overhead cost recovery from income-producing operations.
 - Limitations on the number of course offerings and corresponding reductions in short-term instructional staff.
 - Preparations for potential curtailment and elimination of programs and services.

These recommendations are submitted to the Board with the greatest reluctance. It is extremely distasteful to recommend fee increases of this magnitude. It is also distasteful to have our faculty and staff enter the new fiscal year uncertain of their compensation levels. But the normal processes of budgeting cannot be applied in 1981-82. In the face of continuing uncertainty about State funding for the University, it is difficult to see how the Board of Trustees can solve two key issues--charges to students and compensation for staff.

Hopefully, the State will be able to resolve this uncertainty in the near future.

PROPOSED SCHEDULE OF STUDENT FEES, EFFECTIVE AUTUMN QUARTER, 1981
 (Includes Proposed Surcharges)

College or School	Credit Hours Enrolled	Instructional	General	Resident Total	Out-of-State Tuition	Non- Resident Total
Undergraduate						
Administrative Science						
Agriculture and Home Economics						
Allied Medical Professions						
Architecture						
Biological Sciences						
Continuing Education	0-1	\$ 63	\$11	\$ 74	\$ 59	\$ 133
Dental Hygiene	2	79	15	94	118	212
Education	3	94	21	115	178	293
Engineering	4	125	28	153	237	390
Health, Physical Education and Recreation	5	157	35	192	296	488
	6	188	42	230	355	585
Humanities	7	218	50	268	414	682
Journalism	8	250	57	307	473	780
Mathematical and Physical Sciences	9	281	64	345	533	878
	10	312	71	383	592	975
Music	11	344	78	422	651	1,073
Natural Resources	12 or more	375	85	460	710	1,170
Nursing						
Pharmacy						
Social and Behavioral Sciences						
Social Work						
The Arts						
University College						

PROPOSED SCHEDULE OF STUDENT FEES, EFFECTIVE AUTUMN QUARTER, 1981 (contd)
 (Includes Proposed Surcharges)

College or School	Credit Hours Enrolled	Instructional	General	Resident Total	Out-of-State Tuition	Non-Resident Total
Graduate School	0-1	\$ 63	\$11	\$ 74	\$ 83	\$ 157
	2	101	17	118	165	283
	3	152	25	177	248	425
	4	202	34	236	330	566
	5	252	43	295	413	708
	6	303	51	354	495	849
	7	354	59	413	578	991
	8	404	68	472	660	1,132
	9	455	76	531	743	1,274
	10 or more	505	85	590	825	1,415
Graduate Professional						
Law	0-3	\$ 149	\$21	\$ 170	\$ 221	\$ 391
	4	199	28	227	295	522
	5	248	35	283	369	652
	6	298	42	340	443	783
	7 or more	595	85	680	885	1,565
Medicine	0-3	\$ 264	\$21	\$ 285	\$ 295	\$ 580
	4	348	28	376	393	769
	5	440	35	475	492	967
	6	528	42	570	595	1,165
	7 or more	1,055	85	1,140	1,180	2,320
Dentistry Optometry Veterinary Medicine	0-3	\$ 217	\$21	\$ 238	\$ 295	\$ 533
	4	286	28	314	393	707
	5	361	35	396	492	888
	6	433	42	475	590	1,065
	7 or more	865	85	950	1,180	2,130

PROPOSED SCHEDULE OF STUDENT FEES, EFFECTIVE AUTUMN QUARTER, 1981 (contd)
(Includes Proposed Surcharges)

College or School	Credit Hours Enrolled	Instructional	General	Resident Total	Out-of-State Tuition	Non-Resident Total
Executive M.B.A.	0-9	\$ 755	\$45	\$ 800	\$ 415	\$1,215
	16 or more	1,515	85	1,600	825	2,425
University Regional Campuses						
Undergraduate	0-1	\$ 63	\$11	\$ 74	\$ 59	\$ 133
	2	79	14	93	118	211
	3	94	17	111	178	289
	4	125	23	148	237	385
	5	157	29	186	296	482
	6	188	35	223	355	578
	7	218	41	259	414	673
	8	250	47	297	473	770
	9	281	53	334	533	867
	10	312	58	370	592	962
	11	344	65	409	651	1,060
	12 or more	375	70	445	710	1,155
Graduate	0-1	\$ 63	\$11	\$ 74	\$ 83	\$ 157
	2	101	14	115	165	280
	3	152	20	172	248	420
	4	202	28	230	330	560
	5	252	35	287	413	700
	6	303	42	345	495	840
	7	354	48	402	578	980
	8	404	56	460	660	1,120
	9	455	62	517	743	1,260
	10 or more	505	70	575	825	1,400

PROPOSED SCHEDULE OF STUDENT FEES, EFFECTIVE AUTUMN QUARTER, 1981 (contd)
(Includes Proposed Surcharges)

Undergraduate students enrolled in any quarter, term, or period for twelve or more credit hours will be assessed full fees. Fees for undergraduate students enrolled for eleven or fewer hours in any quarter, term, or period shall be assessed on a per credit hour basis, with the fees for fewer than three credit hours as shown above and with the minimum Instructional and General fees being \$74 for zero or one credit hour.

Graduate students enrolled in any quarter, term, or period for ten or more credit hours will be assessed full fees. Fees for graduate students enrolled for nine or fewer hours in any quarter, term, or period shall be assessed on a per credit hour basis, with the fees for fewer than three credit hours as shown above and the minimum Instructional and General fees being \$74 for zero or one credit hour.

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

July 10, 1981 meeting, Board of Trustees

BUDGET - 1981-1982 (contd)

Mr. Hilliker:

I'll so move that this expenditure authorization and fee level authorization be approved.

Mr. Devenow: Is there a second?

Mr. Immke: I'll second it.

Mr. Devenow: Any discussion?

Mr. Smith:

I'll just make one comment to emphasize what Mr. Pritchard said. I think with fee increases of the size we are contemplating, we really do get to the question of accessibility to this University, and it is something that has been held out to the people in the State. I think, you know, that the Board has reviewed this and we don't have alternatives; we absolutely don't. But that is now, I think, a critical matter when we increase fees by 24 or 25 percent.

President Enarson:

Let me just react very quickly. I share your concern. I don't think anybody knows exactly the extent to which price dictates the use of this precious quality--commodity we call education. Furthermore, the matter of access, as I am sure we all know, is compounded very substantially by the diminution in support--financial aid for students--those programs are jeopardized as they have not been in memory. I think the cumulative effect of this will begin to be felt. Incidentally, whether that will be felt immediately or not I confess I don't know. One line of speculation is that as students encounter increasingly difficult financing problems, as they run out of money, we may see a sag in enrollment in the two quarters; in which case you have that worst of all trends--you have a circular process in which income goes down at a time when costs have been fixed for the year. Now, we have taken one small step to try to help with respect to the increases in fees in professional schools. Some of the increased dollars collected will be held back or rather appropriated to increase financial aid, but I hasten to add that we don't have the resources to provide financial aid to the needy here.

The foregoing resolution was adopted by unanimous roll call vote.

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PERSONNEL ACTIONS

Resolution No. 82-8

Synopsis: In addition to the regular personnel actions taken since the last meeting, the following Medical Staff Appointments, Leaves of Absence Without Salary, Professional Improvement Leaves, and Emeritus Titles are recommended for approval.

RESOLVED, That the personnel actions as recorded in the Personnel Budget Records of the University since the June 11, 1981 meeting of the Board, including the following Medical Staff Appointments, Leaves of Absence Without Salary, Professional Improvement Leaves, and Emeritus Titles as detailed in the University Budget, be approved.

Medical Staff Appointments

Name	Appointment	Clinical Division
Effective May 13, 1981		
Richard Coe Bump, M.D.	Attending Staff	Obstetrics and Gynecology
Effective June 1, 1981		
Jose C. Munoz, M.D.	Limited Staff	Anesthesiology

Leaves of Absence Without Salary

POUL M. HANSEN, Professor, Department of Food Science and Nutrition, effective October 1, 1981 through November 30, 1981, to work with the National Dairy Research Institute in India.

KENNETH NAYLOR, Professor, Department of Slavic and East European Languages and Literatures, effective April 1, 1982 through June 30, 1982, to accept a Fulbright lectureship in Yugoslavia.

ROY BEN BUCKNER, Associate Professor, Department of Geodetic Science, effective October 1, 1981 through December 31, 1981, to accept a teaching position at California State University at Fresno.

FRANK KIDDER UPHAM, Associate Professor, College of Law, effective October 1, 1981 through September 30, 1982, to accept a Visiting Professorship of Law at Harvard University.

RICHARD MORGAN BROWN, Assistant Professor, Department of Art, effective October 1, 1981 through September 30, 1982, to do graduate research in architecture at Harvard University.

July 10, 1981 meeting, Board of Trustees

PERSONNEL ACTIONS (contd)

Leaves of Absence Without Salary (contd)

ALBERT KEIDEL, III, Assistant Professor, Department of Economics, effective October 1, 1981 through September 30, 1982, to pursue and publish scholarly research on China.

MARY MCGANN, Assistant Professor, Department of English, effective October 1, 1981 through September 30, 1982, to accept an appointment at the University of Warsaw.

GENE E. MUMY, Assistant Professor, Department of Economics, effective October 1, 1981 through September 30, 1982, to accept a visiting appointment at Johns Hopkins University.

JANET ELLEN THOMASON, Assistant Professor, Department of Political Science, effective October 1, 1981 through September 30, 1982, to engage in research at the Public Research Institute of the University of Rochester in Washington, D. C.

Professional Improvement Leaves

LEO E. LIPETZ, Professor, Division of Sensory Biophysics, effective Autumn Quarter 1981.

JIM G. POLSON, Assistant Professor, Cooperative Extension Service, change from Autumn Quarter 1981, Winter Quarter 1982, and Spring Quarter 1982 to September 1, 1981 through May 28, 1982.

Emeritus Titles

HENRY R. ANGELINO, Department of Psychology, with the title Professor Emeritus, effective July 1, 1981.

VERL L. HOUSE, Department of Genetics, with the title Professor Emeritus, effective July 1, 1981.

CHARLES B. SMITH, Department of Civil Engineering, with the title Professor Emeritus, effective July 1, 1981.

HAROLD C. TRIMBLE, Academic Faculty of Science and Mathematics Education, with the title Professor Emeritus, effective July 1, 1981.

FLOREN V. JAMES, Cooperative Extension Service, with the title Associate Professor Emeritus, effective July 1, 1981.

SUZANNE E. SCHROEDER, School of Health, Physical Education and Recreation, with the title Associate Professor Emeritus, effective July 1, 1981.

July 10, 1981 meeting, Board of Trustees

PERSONNEL ACTIONS (contd)

Emeritus Titles (contd)

LOWELL WILSON, Cooperative Extension Service, with the title Associate Professor Emeritus, effective July 1, 1981.

GILMAN D. KIRK, Department of Surgery, with the title Assistant Professor Emeritus, effective July 1, 1981.

ERYK TALATKIELPSZ, University Libraries, with the title Assistant Professor Emeritus, effective July 1, 1981.

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

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REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS

Resolution No. 82-9

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

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

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

NOW THEREFORE

BE IT RESOLVED, That the research agreements between The Ohio State University and The Ohio State University Research Foundation for the contracts and grants reported herein, and the acceptance of the reports from the Engineering Experiment Station and The Ohio State University Development Fund during the month of May 1981, be approved.

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

July 10, 1981 meeting, Board of Trustees

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

SUMMARY FOR MAY 1981

Source	No. of Projects	Support Level
The Ohio State University Research Foundation	53	\$2,428,544.00
Engineering Experiment Station	50	313,606.00
		\$2,742,150.00
The Ohio State University Development Fund	Gifts	
April	5,354	\$1,068,032.62
May	3,043	\$1,208,851.48

Change in Description of Named Fund

Albert A. Levin Memorial Award Fund
(Purpose changed from senior
writing the best essay on the
lawyer's responsibility to the
community to student earning
highest grade in required courses
in professional responsibility)

Report from Presidents Club

Members to date	4,467
1981 members: year to date	61
New members - May 1981	14

New Presidents Club Members - May 1981

Ann N. Blackwell (Mrs. Roger D.)	Ira Nutis
Thomas H. Brinker	Thomas S. Paulucci
Kenneth C. Farrell	Ronald D. Rivers
Walter W. Gast	Howard C. Runyeon
Elizabeth W. Koeberer	Margaret E. Soteriades (Mrs. Chris)
Anthony N. Latona	John N. Teteris
Gene A. Newsom	Richard A. Zager

July 10, 1981 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION

Federal Research Contracts/Grants

\$126,247.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Pharmacology of ICRF-159 Related Analogues, College of Pharmacy (D. T. Witiak), Department of Microbiology and Cancer Research Center (B. S. Zwilling), and Department of Veterinary Pathobiology (A. Koestner), 1 May 1981 through 30 April 1982. (Project 761586 - Continuation)

\$107,679.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Allergy and Infectious Diseases, Bethesda, Maryland, The *in Vivo* Growth of Staphylococci, Department of Medical Microbiology and Immunology (F. A. Kapral), 1 June 1981 through 31 May 1982. (Project 762330 - Continuation)

\$106,892.00 - Environmental Protection Agency, Washington, D. C., DNA Damage in Human Lymphocytes as Indicators of Carcinogen Exposure, Departments of Radiology and Pharmacology (S. M. D'Ambrosio) and Department of Medicine (R. L. Whisler), 1 May 1981 through 30 April 1982. (Project 762158 - Continuation)

\$105,443.00 - Department of Energy, Morgantown Energy Technology Center, Morgantown, West Virginia, Stress Trajectory and Advanced Hydraulic Fracture Simulations for the EGSP, Department of Engineering Mechanics (S. H. Advani and J. K. Lee), 30 April 1981 through 29 January 1983. (Project 762666 - New)

\$99,947.00 - National Aeronautics and Space Administration, Langley Research Center, Hampton, Virginia, Acoustic and Performance Evaluation of General Aviation Propellers by Flight Research, Department of Aeronautical and Astronautical Engineering (G. M. Gregorek and K. D. Korkan) and Department of Aviation (G. S. Weislogel), 1 June 1981 through 15 May 1982. (Project 761471 - Continuation)

\$90,517.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Allergy and Infectious Diseases, Bethesda, Maryland, Polycondensed Alicyclics and Their Antiviral Role, Department of Chemistry (L. A. Paquette), 1 May 1981 through 30 April 1982. (Project 763920 - Continuation)

\$90,000.00 - Department of Education, Office of Special Education and Rehabilitative Services, Office of Special Education, Washington, D. C., Regular Education Inservice (Comprehensive Vocational Education for All Handicapped Persons: Inservice Support for Transition from Education to Work), National Center for Research in Vocational Education (R. E. Taylor), 1 June 1981 through 31 May 1982. (Project 762183 - Continuation)

July 10, 1981 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

\$85,370.00 - National Science Foundation, Washington, D. C., Synthesis and Isomerization Reactions of Novel Alicyclic Molecules, Department of Chemistry (L. A. Paquette), 1 September 1981 through 31 August 1982. (Project 761850 - Continuation)

\$79,849.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Biotransformation of M-Amsa and Related Analogues, College of Pharmacy (L. Malspeis), 1 April 1981 through 31 March 1982. (Project 762091 - Continuation)

\$76,432.00 - Department of Transportation, National Highway Traffic Safety Administration, East Liberty, Ohio, Construction of Vehicle Tracking System, Department of Electrical Engineering, ElectroScience Laboratory (D. E. Svoboda and M. A. Poirier), 1 March 1981 through 30 September 1982. (Project 762639 - New)

\$75,754.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Diazo, Diazirino, Azoxy and Novel Heterocyclic Compounds, Department of Chemistry (H. Shechter), 1 April 1981 through 31 March 1982. (Project 762793 - Continuation)

\$72,959.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Heart, Lung and Blood Institute, Bethesda, Maryland, Open Loop Forcing of Chest Volume and CO₂ Concentration, Department of Physiology (A. L. Kunz), 1 April 1981 through 31 March 1982. (Project 761572 - Continuation)

\$61,243.00 - Department of Labor, Washington, D. C., The Industrial Demand for Retirement Aged Labor, Department of Economics (D. O. Parsons), 20 April 1981 through 19 July 1982. (Project 762668 - New)

\$59,999.00 - National Science Foundation, Washington, D. C., A Theoretical and Experimental Study of a Potential Mobile System for Evaluating Electrical Parameters of the Earth, Department of Electrical Engineering, ElectroScience Laboratory (L. Peters, Jr.), 1 May 1981 through 30 April 1983. (Project 762670 - New)

\$53,155.00 - Environmental Protection Agency, Washington, D. C., The Role of Environmental Temperature in Carcinogenesis, Department of Physiology (H. Weiss), 14 April 1981 through 13 April 1982. (Project 762133 - Continuation)

July 10, 1981 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

\$53,000.00 - National Science Foundation, Washington, D. C., Magnetic Resonance in Ferromagnetic Domain Walls, Department of Physics (P. E. Wigen), 1 July 1981 through 30 June 1982. (Project 762292 - Continuation)

\$50,000.00 - National Science Foundation, Washington, D. C., Modelling, Control, and Simulation of Human Locomotion, Department of Electrical Engineering (H. Hemami), 1 July 1981 through 30 June 1982. (Project 761570 - Continuation)

\$49,986.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, Measurement of Surface Ship Radar Backscatter at HF for Target Identification Studies, Department of Electrical Engineering, ElectroScience Laboratory (A. Ksienski, E. Walton, and J. Young), 1 April 1981 through 31 March 1982. (Project 762636 - New)

\$48,864.00 - Department of the Air Force, Air Force Office of Scientific Research (AFSC), Bolling Air Force Base, D. C., Ignition, Combustion, Detonation, and Arresting of Combustion Waves in Unconfined and Confined Reactive Mixtures, Department of Aeronautical and Astronautical Engineering (R. Edse), 1 May 1981 through 30 April 1982. (Project 761050 - Continuation)

\$48,495.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Arthritis, Metabolism and Digestive Diseases, Bethesda, Maryland, Effects of Dietary Change on Lipid Biosynthesis, Department of Physiological Chemistry (H. W. Sprecher), 1 May 1981 through 30 April 1982. (Project 764415 - Continuation)

\$47,375.00 - National Science Foundation, Washington, D. C., Maintenance of the *Bacillus* Genetic Stock Center, Department of Microbiology (D. H. Dean), 1 August 1981 through 31 July 1982. (Project 762225 - Continuation)

\$46,803.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Synthesis of Substituted Polycyclic Hydrocarbons, Department of Chemistry (M. S. Newman and D. W. Meek), 1 June 1981 through 31 May 1982. (Project 761809 - Continuation)

\$44,260.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Allergy and Infectious Diseases, Bethesda, Maryland, Strategies to Disrupt Pregnancy in the Tsetse Fly, Department of Entomology (D. L. Denlinger), 1 May 1981 through 30 April 1982. (Project 762136 - Continuation)

July 10, 1981 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

\$43,680.00 - National Science Foundation, Washington, D. C., Extension of Complex Coordinate and Complex Basis Function Techniques to Molecular Systems: Resonances and Photoionization, Department of Chemistry (C. W. McCurdy, Jr.), 1 November 1981 through 31 October 1982. (Project 761834 - Continuation)

\$42,992.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Heart, Lung and Blood Institute, Bethesda, Maryland, Diabetes-Vitamin E-Vascular Degeneration, Department of Physiological Chemistry (R. V. Panganamala), 1 May 1981 through 30 April 1982. (Project 761628 - Continuation)

\$42,000.00 - Department of the Navy, Naval Regional Contracting Office, Long Beach, California, Formulate Quasi-Optical Techniques for Antennas at UHF, Department of Electrical Engineering, ElectroScience Laboratory (C. Walter, R. Marhefka, and R. Rudduck), 9 March 1981 through 31 July 1982. (Project 761784 - Continuation)

\$35,378.00 - Department of the Navy, Naval Research Laboratory, Washington, D. C., Acoustic Wave Scattering by Finite Cylindrical Elastic Shells of Revolution Immersed in Water, Department of Engineering Mechanics (V. K. Varadan and V. V. Varadan), 1 February 1981 through 31 October 1981. (Project 762608 - New)

\$34,988.00 - Department of the Army, Waterways Experiment Station-Corps of Engineers, Vicksburg, Mississippi, Development of a Theoretical Model for "Leaky" Ported Coaxial Cable Embedded at a Uniform Depth in a Lossy Half Space, Department of Electrical Engineering, ElectroScience Laboratory (J. Richmond and R. Garbacz), 1 May 1981 through 30 November 1981. (Project 762219 - Continuation)

\$34,864.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Eye Institute, Bethesda, Maryland, The Spectral Sensitivities of Turtle Photoreceptors, Division of Sensory Biophysics (L. E. Lipetz), 1 June 1981 through 31 May 1982. (Project 762642 - New)

\$34,521.00 - National Science Foundation, Washington, D. C., Structural Studies of Small Linear Cluster Models for Metal Surfaces and Catalysts, Department of Chemistry (G. G. Christoph), 1 August 1981 through 31 July 1982. (Project 761853 - Continuation)

\$29,075.00 - Agency for International Development, Washington, D. C., Vocational Training Assistance in Jordan, National Center for Research in Vocational Education (R. E. Taylor), 14 November 1980 through 13 December 1981. (Project 762473 - Continuation)

July 10, 1981 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

\$24,000.00 - Department of the Army, Defense Supply Service - Washington, Washington, D. C., Ultrasonic Methods to Study Shadow Boundaries of Diffracting Cracks, Department of Welding Engineering (L. Adler), 1 May 1981 through 31 March 1982. (Project 762638 - New)

\$23,516.00 - National Science Foundation, Washington, D. C., Structure Theorems for Graphs and Matroids and Discrete Optimization, Department of Mathematics (P. Seymour), 1 July 1981 through 30 June 1983. (Project 762660 - New)

\$21,924.00 - National Science Foundation, Washington, D. C., The Banach-Mazur Distance Between Finite Dimensional Spaces and Projection Constants, Department of Mathematics (W. J. Davis and J. Lindenstrauss), 1 July 1981 through 30 June 1982. (Project 762659 - Continuation)

\$18,054.00 - National Science Foundation, Washington, D. C., Inverse Spectral Theory and Concrete Aspects of Periodic Solitons, Department of Mathematics (M. G. Forest), 1 July 1981 through 30 June 1983. (Project 762293 - Continuation)

\$12,000.00 - Solar Energy Research Institute, Golden, Colorado, Efficiency of Photochemical Cells, Department of Biochemistry (R. T. Ross), 1 February 1981 through 31 December 1981. (Project 762020 - Continuation)

\$11,154.00 - Sandia Laboratories, Albuquerque, New Mexico, Stress and Failure Evaluations Associated with Selected Coal Mine Pillar-Panel Configurations, Department of Engineering Mechanics (S. H. Advani and J. K. Lee), 20 April 1981 through 31 December 1981. (Project 762590 - Continuation)

\$6,000.00 - National Endowment for the Arts, Washington, D. C., Public Film, Photography and Video Exhibition in Columbus, Department of Photography and Cinema (J. R. Green), 1 January 1981 through 31 December 1981. (Project 762667 - New)

TOTAL - FEDERAL RESEARCH CONTRACTS/GRANTS **\$2,094,415.00**

State of Ohio Research Contracts/Grants

\$44,951.00 - State of Ohio, Department of Natural Resources, Office of Civilian Conservation, Columbus, Ohio, Youth Conservation Corps Resident Camp at Barnebey Center for Environmental Studies, School of Natural Resources (J. M. Dowdy and R. E. Roth), 21 April 1981 through 30 September 1981. (Project 762669 - Continuation)

July 10, 1981 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

State of Ohio Research Contracts/Grants (contd)

\$19,419.00 - State of Ohio, Department of Natural Resources, Division of Wildlife, Columbus, Ohio, Management of Muskingum Mussel Populations Project Plan, Ohio Biological Survey (C. C. King) and Department of Zoology (D. H. Stansbery), 1 May 1981 through 30 April 1982. (Project 761946 - Continuation)

TOTAL - STATE OF OHIO RESEARCH CONTRACTS/GRANTS \$ 64,370.00

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

\$48,531.00 - West Virginia Public Service Commission, Charleston, West Virginia, A Program to Provide Technical Assistance to the West Virginia Public Service Commission in Consideration of PURPA Section 111 Standards for the Potomac Edison and Monongahela Power Companies, National Regulatory Research Institute (D. N. Jones and K. A. Kelly), 19 March 1980 through 30 June 1981. (Project 762086 - Continuation)

\$39,997.00 - Control Data Corporation, Minneapolis, Minnesota, Development of a Taxonomy of Instructional Strategies, Academic Faculty of Educational Foundations and Research (K. A. Hall), 1 January 1981 through 31 December 1982. (Project 762672 - New)

\$32,625.00 - Rocky River City School District, Rocky River, Ohio, The Martin W. Essex School for the Gifted, Academic Faculty for Exceptional Children (T. M. Stephens and S. E. McCormick), 1 January 1981 through 31 December 1982. (Project 762662 - Continuation)

\$30,756.00 - Merck and Company, Rahway, New Jersey, Effect of Ivermectin Against Benzimidazole-Resistant Horse Strongyles, Department of Veterinary Pathobiology (R. P. Herd) and Department of Veterinary Clinical Sciences (A. A. Gabel), 1 March 1981 through 28 February 1982. (Project 762664 - New)

\$30,000.00 - Franklin County Board of Mental Retardation and Developmental Disabilities, Columbus, Ohio, Exemplary Dental Services for the Handicapped, Nisonger Center for Mental Retardation (E. S. Sterling), 1 July 1981 through 30 June 1982. (Project 762671 - New)

\$16,927.00 - Buck Engineering Company, Inc., Farmingdale, New Jersey, Needs Assessment Survey: Chile/Buck Engineering, National Center for Research in Vocational Education (R. E. Taylor), 20 May 1981 through 30 June 1981. (Project 762673 - New)

\$15,000.00 - World Health Organization, Special Programs for Research and Training in Tropical Diseases, Geneva, Switzerland, *In Vitro* Culture of Sporogonic States of *Plasmodium falciparum*, Department of Entomology (W. F. Hink), 1 June 1981 through 30 November 1981. (Project 761658 - Continuation)

July 10, 1981 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

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

\$14,000.00 - U. S.-Spanish Joint Committee for Scientific and Technological Cooperation, Madrid, Spain, Paleomagnetic Study of Upper Carboniferous Coal-Bearing Strata in Northwest Spain, Department of Geology and Mineralogy (H. C. Noltmimer), 1 April 1981 through 31 December 1981. (Project 761703 - Continuation)

\$10,000.00 - Rockwell International, North American Aircraft Division, Los Angeles, California, Radar Cross Section of Aircraft/Avionics Systems, Department of Electrical Engineering, ElectroScience Laboratory (L. Peters and W. D. Burnside), 1 April 1981 through 30 April 1981. (Project 762563 - Continuation)

\$10,000.00 - The Weight Watchers Foundation, Inc., Manhasset, New York, Role of Endorphins in Obesity, Department of Pharmacology (G. A. Tejwani), 1 July 1981 through 30 June 1982. (Project 762665 - New)

\$9,999.00 - The Colorado Public Utilities Commission, Denver, Colorado, Technical Assistance with Electric Seasonal Rates for Colorado-UTE Electric Association, National Regulatory Research Institute (D. N. Jones and K. A. Kelly), 1 September 1980 through 30 April 1981. (Project 762658 - New)

\$9,600.00 - Lockheed Missiles and Space Company, Sunnyvale, California, Basic Computer Code Development, Department of Electrical Engineering, ElectroScience Laboratory (C. H. Walter and R. J. Marhefka), 22 April 1981 through 23 October 1981. (Project 762661 - New)

\$2,324.00 - Koppers Company, Inc., Monroeville, Pennsylvania, Study of Modified Electrodes for Electrosynthetic Purposes, Department of Chemistry (T. Kuwana), 13 May 1981 through 31 May 1982. (Project 762217 - Continuation)

TOTAL - INDUSTRIAL PRIVATE, AND OTHER NON-
FEDERAL RESEARCH CONTRACTS/GRANTS \$ 269,759.00

ENGINEERING EXPERIMENT STATION

Industrial and Other Sponsored Research and Development

\$313,606.00 - various sponsors, for 50 development projects under the direction of eight departments and research areas.

July 10, 1981 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND

Gifts of \$5,000 or More

\$153,970.00 - The Procter and Gamble Company, Cincinnati, Ohio--\$111,470.00 for Clinical Pharmacology Fund and \$42,500.00 for Toxic Shock Research Fund.

\$150,000.00 - Battelle Memorial Institute, Columbus, Ohio--\$100,000.00 for Friends of WOSU Endowment Fund; \$25,000.00 for Forced Convection Techniques Applied to Corrosion Problems; and \$25,000.00 for Fluidized Bed Dynamics and Reaction Kinetics Fund.

\$35,100.00 - Trust Under the Will of Anna Roessler, Columbus, Ohio, for Samuel J. Roessler Memorial Fund.

\$33,300.00 - Estate Under the Will of Ethel Neidigh, State College, Pennsylvania, for Maurice W. Neidigh Scholarship Fund.

\$30,000.00 - Amoco Foundation, Inc., Chicago, Illinois, for Advanced Design Methods Laboratory-Mechanical Engineering.

\$28,750.00 - E. I. duPont de Nemours & Company, Wilmington, Delaware--\$27,750.00 for Clinical Pharmacology Fund and \$1,000.00 for Agronomy Weed Research.

\$22,500.00 - The Standard Oil Company, Cleveland, Ohio--\$12,500.00 for Early Start Program; \$7,500.00 for Mining Engineering Scholarships; and \$2,500.00 for Women in Engineering Scholarship Fund.

\$21,045.00 - Pfizer, Inc., Groton, Connecticut--\$13,795.00 for Clinical Pharmacology Fund and \$7,250.00 for Cancer Research Center Fund.

\$20,000.00 - Charles W. Carroll, Burton, Ohio, for Presidents Club Special Fund.

\$20,000.00 - The A. E. Convers Fund of The Cleveland Foundation, Cleveland, Ohio, for furtherance of extension work in Cuyahoga County.

\$20,000.00 - The Merck Company Foundation, Rahway, New Jersey--\$12,000.00 for Immune Response to Small Natural Peptides and \$8,000.00 for Merck & Co. Fellowship Fund for Chemistry.

\$15,000.00 - Wilson B. Baugh, D.D.S., San Bernardino, California, for Anesthesia Research and Education Enhancement Fund.

\$12,800.00 - Central Ohio Technical College, Newark, Ohio, for Newark Campus Scholarship Fund.

July 10, 1981 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

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

\$12,500.00 - Huntington National Bank, Columbus, Ohio, for Student Athlete Grant-in-Aid Fund.

\$12,500.00 - Landmark, Inc., Columbus, Ohio (given in the names of George Wollenslegel, Ralph Hughes, and Dick Weisenstein), for Landmark - OARDC.

\$12,299.55 - Systems Associates, Inc., Columbus, Ohio, for Cardiology Support Fund.

\$12,000.00 - Armour Pharmaceutical Company, Kankakee, Illinois, for Lipid Research.

\$10,000.00 - Saalfield & Robinson, Inc., Toledo, Ohio, for Civil Engineering Construction Operations Simulation Laboratory Fund.

\$10,000.00 - Uniroyal, Inc., Naugatuck, Connecticut, for Endowed Professorship in Plant Protection.

\$8,000.00 - Summer and Company, Columbus, Ohio, for Student Athlete Grant-in-Aid Fund.

\$7,000.00 - Conoco, Inc., Ponca City, Oklahoma, for Conoco Fellowship in Chemistry.

\$6,600.00 - Estate Under the Will of Jessie Emerson Browne, San Francisco, California, for Leland and Jessie Browne Scholarship Fund.

\$6,500.00 - Occidental Research Corporation, Irvine, California, for Mechanical Engineering Coal Combustion Laboratory Fund.

\$6,000.00 - Hanna Chemical Coatings Corporation, Columbus, Ohio, for Student Athlete Grant-in-Aid Fund.

\$5,997.68 - Estate Under the Will of Ruth L. Higgins, Columbus, Ohio, for Ruth L. Higgins Scholarship Fund.

\$5,739.00 - Trust Under the Will of Sara Jane Pyne, Columbus, Ohio, for Sara Jane Pyne Memorial Scholarship Fund in the Visual Arts.

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

\$5,000.00 - Alcoa Foundation, Pittsburgh, Pennsylvania, for Alcoa Foundation Scholarship Fund.

July 10, 1981 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

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

\$5,000.00 - Anderson Concrete Corporation, Columbus, Ohio, for Student Athlete Grant-in-Aid Fund.

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

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

\$5,000.00 - Ives Laboratories, Inc., New York, New York, for Clinical Pharmacology of Dobutamine-Eli Lilly and Company.

\$5,000.00 - T. James Kavanagh Foundation, Newton Square, Pennsylvania, for Ohio Florists Association Special Fund.

\$5,000.00 - Mobil Foundation, Inc., Paulsboro, New Jersey, for Mechanical Engineering Coal Combustion Laboratory Fund.

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

\$5,000.00 - Vinton County National Bank, McArthur, Ohio, for Vinton County-Furtherance of Extension Work.

\$5,000.00 - Wolfe Association, Inc., Columbus, Ohio, for Cancer Research Center Fund.

Gifts-in-Kind

\$20,890.00 - Mrs. Harvey S. Firestone, Jr., Akron, Ohio, designer clothes.

\$8,000.00 - Dr. T. F. Classen, Chagrin Falls, Ohio--\$6,000.00, 13-year-old Irish Hunter gelding, Avacado and \$2,000.00, 12-year-old mare, Charity.

Change in Description of Named Fund

Albert A. Levin Memorial Award Fund

The Albert A. Levin Memorial Award Fund was established October 8, 1969, by the Board of Trustees of The Ohio State University with a bequest to The Ohio State University through The Ohio State University Development Fund from Albert A. Levin, LL.B. '34, formerly of Cleveland, Ohio.

July 10, 1981 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

Change in Description of Named Fund (contd)

Albert A. Levin Memorial Award Fund (contd)

This bequest is to be invested in the University's Investment Portfolio under the rules and regulations adopted by the Board of Trustees of The Ohio State University, with the right to invest and reinvest as occasion dictates.

The annual income is to be used to present an award to the student or students earning the highest grade in the required courses in Professional Responsibility in the College of Law.

Should the need for these awards cease to exist or so diminish as to provide unused income, or should the College of Law cease to exist through any reorganization of the University, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for education in law.

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**EMPLOYMENT OF ARCHITECTS/ENGINEERS AND
REQUEST FOR CONSTRUCTION BIDS**

Resolution No. 82-10

Synopsis: Employment of architectural/engineering firms and request for construction bids pending final approval of the Capital Appropriations Bill 552 for 1981-82 Biennium.

WHEREAS the Capital Bill under consideration for the State of Ohio includes funds for several projects for The Ohio State University Main Campus and Regional Campuses; and

WHEREAS, since this is a one-year bill, it is imperative that plans for these projects be completed as soon as possible after the Bill passes; and

WHEREAS, the following list of projects are currently planned from funds included in the 1981-82 Capital Improvements Bill:

Line Item Projects

Agricultural Technical Institute, Phase III
Bee Laboratory Replacement
Community Extension Center Building
Jesse Owens Plaza and Track
Lake Erie Research, Center for
Mansfield Branch--Renovations and Campus Improvements
Marion Branch, Phase III

July 10, 1981 meeting, Board of Trustees

**EMPLOYMENT OF ARCHITECTS/ENGINEERS AND
REQUEST FOR CONSTRUCTION BIDS (contd)**

Utilities and Renovation

Agricultural Administration Building Remodeling
Biological Sciences Library Remodeling
Child Development Laboratory
Classroom Improvements
Dentistry Laboratory Renovation
Don Scott Field Area Road Improvements
Elevator Replacements-Project B
Energy Management Improvements
Evans Laboratory - Air Conditioning and Ventilation Systems
Exhaust System Improvements - Koffolt Lab and Parks Hall
Hazardous Waste Incinerator
Lima Campus
Mansfield Campus
Marion Campus
Masonry Improvements-Project B
McCracken Power Plant Improvements
McCracken Power Plant - Renovate No. 7 Boiler
Newark Campus
Poultry Science Sanitary Sewers
Stadium Drive Bridge, Pedestrian Bridge and Road Improvements
Veterinary College Building Improvements

NOW THEREFORE

BE IT RESOLVED, That the Vice President for Business and Administration be authorized to proceed to select a qualified architectural/engineering firm for each project listed above from lists of firms requested from and provided by the Department of Administrative Services; and that the fee for these architectural/engineering services be negotiated between the firm selected and the Department of Administrative Services, Division of Public Works; and

BE IT FURTHER RESOLVED, That the Vice President for Business and Administration be authorized to proceed to request construction bids on these projects in accordance with established University procedures, and if satisfactory bids are received, to recommend to the Department of Administrative Services, Division of Public Works, the award of contracts, with all actions to be reported to this Board at the appropriate time; and

BE IT FURTHER RESOLVED, That all final actions related to the employment of architectural/engineering contracts and construction contracts for these projects will be dependent upon passage of the pending Capital Appropriations Bill of the State of Ohio for The Ohio State University for Fiscal Year 1981-82, and appropriate Ohio Board of Regents approvals.

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

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July 10, 1981 meeting, Board of Trustees

EMPLOYMENT OF ARCHITECTS/ENGINEERS

Resolution No. 82-11

Synopsis: Employment of architectural/engineering firms for projects funded by the pending Capital Appropriations Bill 552 for the 1981-82 Biennium.

WHEREAS, the Capital Bill under consideration for the State of Ohio includes funds for several projects for The Ohio State University Main Campus; and

WHEREAS, since this is a one-year bill, it is imperative that plans for these projects be completed as soon as possible after the Bill passes; and

WHEREAS, the following list of projects are currently planned from funds included in the 1981-82 Capital Improvements Bill:

Line Item Projects

- Agricultural Engineering Building (Planning Funds)
- Cancer Institute Hospital
- Cancer Radiation Therapy (Planning Funds)
- Geriatric Center
- Health Center Access Improvements
- McPherson Laboratory (Planning Funds)
- Ohio Arthritis Center
- Veterinary Sciences Facility (Planning Funds)

Utilities and Renovation Projects

- Arps Hall Renovation (Planning Funds)
- Don Scott Sanitary Sewers (Planning Funds)
- Hamilton Hall Renovation (Planning Funds)
- Townshend Hall Renovation (Planning Funds)
- Water Distribution Improvements (Planning Funds)

BE IT RESOLVED, That the Vice President for Business and Administration be authorized to proceed to select a qualified architectural engineering firm for each project listed above from lists of firms requested from and provided by the Department of Administrative Services; and that the fees for these architectural/engineering services be negotiated between the firm selected and the Department of Administrative Services, Division of Public Works; and

BE IT FURTHER RESOLVED, That all final actions related to the award of architectural/engineering contracts for these projects will be dependent upon passage of the pending Capital Appropriations Bill of the State of Ohio for The Ohio State University for Fiscal Year 1981-82 and appropriate Ohio Board of Regents approval.

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

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PLANS AND SPECIFICATIONS

Resolution No. 82-12

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

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

CONVERSE HALL - ALTERATION OF HEATING SYSTEM

Project: Fin tube type hot water radiator units will be added to selected rooms in basement, first floor, second floor, and third floor areas for better temperature control in these rooms. New hot water supply and return lines will be connected to existing mains in the basement of the building.

Funding: Budget Account 885127

Estimated Project Cost: \$32,000.00

NOW THEREFORE

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

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

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

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President Enarson:

Under awards--contracts have been awarded for the projects listed below to the lowest and best bidders in accordance with University procedures, and the committee heard the report on these projects in considerable detail, and I see really no point in going through these seriatim this afternoon. It may be that the chairman of the committee will wish to summarize for the benefit of members not present this morning some of the substance of the discussion on one element of concern and the approach that the Board proposes. I am talking of the 'set-aside' matter here. We do recommend--or rather the Fiscal Affairs Committee did recommend the customary motion which is in effect for accepting the report as hereby reported.

July 10, 1981 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND
ESTABLISHMENT OF CONTINGENCY FUNDS**

Resolution No. 82-13

Synopsis: Contracts have been awarded for the projects listed below to the lowest and best bidders in accordance with University procedures.

WHEREAS resolutions adopted by the Board of Trustees at previous meetings authorized the President and/or Vice President for Business and Administration to sign the plans and specifications and, in accordance with established University procedures, to request bids and, if satisfactory bids were received, to recommend to the Department of Administrative Services, Division of Public Works, the award of contracts for the following projects:

CHEMICAL INSTRUMENTATION CENTER

Description: This remodeling project provides space for a Chemical Instrumentation Center on the first floor of Johnston Laboratory to house various laboratories and support offices.

General Contract

Date Received:	June 11, 1981
No. of Bids:	10
Low Bid:	\$ 74,040.00*
High Bid:	\$112,000.00*
Estimate of Cost:	\$ 95,741.00*
Awarded to:	Ed Ross Construction Co., Westerville, Ohio

Plumbing Contract

Date Received:	June 11, 1981
No. of Bids:	6 ,
Low Bid:	\$ 36,800.00
High Bid:	\$ 61,300.00
Estimate of Cost:	\$ 24,238.00**
Awarded to:	Bruner Corporation, Columbus, Ohio

* Recommended alternates reflected in these figures.

**Please note that Item No. 2 - Plumbing Contract is in excess of the filed estimate of cost; however, the total price of all contracts is within the total estimate of cost and is therefore being recommended for award as provided by Section 153.12 of the Ohio Revised Code.

July 10, 1981 meeting, Board of Trustees

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

CHEMICAL INSTRUMENTATION CENTER (contd)

Heating, Ventilating, and Air Conditioning Contract

Date Received:	June 11, 1981
No. of Bids:	6
Low Bid:	\$ 39,540.00*
High Bid:	\$ 46,569.00*
Estimate of Cost:	\$ 36,567.00* **
Awarded to:	Farber Corporation, Columbus, Ohio

Electrical Contract

Date Received:	June 11, 1981
No. of Bids:	9
Low Bid:	\$ 23,240.00
High Bid:	\$ 34,821.00
Estimate of Cost:	\$ 38,475.00
Awarded to:	Claggett Electric Company, Inc., Columbus, Ohio

Total All Contracts: \$173,620.00

Total Contingency Allowance: \$ 13,346.45 which is 8 per cent of construction contracts

Total Project Cost: \$214,353.00

Funding: Budget Account 885090

* Recommended alternates reflected in these figures.

**Please note that Item No. 3 - Heating, Ventilating, and Air Conditioning Contract is in excess of the filed estimate of cost; however, the total price of all contracts is within the total estimate of cost and is therefore being recommended for award as provided by Section 153.12 of the Ohio Revised Code.

July 10, 1981 meeting, Board of Trustees

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

**ENERGY MODIFICATIONS TO BUILDINGS - PHASE V (PROJECT "A")
(FAWCETT CENTER FOR TOMORROW, FOUNDERS HALL,
HEALTH SCIENCES LIBRARY)**

Description: Modifications to continue the ongoing energy conservation. Work includes modifications to existing centrifugal chiller in Fawcett Center which is estimated to save \$21,812.00 annually with a two-year four-month payback; replacement of existing 316 ton absorption chiller and electrical centrifugal chiller in Health Sciences Library with an estimated annual savings of \$25,000.00 with a three-year six-month payback; and system modifications in Founders Hall with a savings of \$25,000.00 annually and a one-year seven-month payback.

Mechanical Contract

Date Received:	June 4, 1981
No. of Bids:	5
Low Bid:	\$109,100.00*
High Bid:	\$146,085.00*
Estimate of Cost:	\$121,809.00*
Awarded to:	J. A. Guy, Inc., Dublin, Ohio

Electrical Contract

Date Received:	June 4, 1981
No. of Bids:	3
Low Bid:	\$ 64,300.00
High Bid:	\$ 74,440.00
Estimate of Cost:	\$ 53,191.00**
Awarded to:	Electric Power Equipment Co., Columbus, Ohio

* Recommended alternates reflected in these figures.

**Please note that Item No. 2 - Electrical Contract is in excess of the filed estimate of cost; however, the total price of all contracts is within the total estimate of cost and is therefore being recommended for award as provided by Section 153.12 of the Ohio Revised Code.

July 10, 1981 meeting, Board of Trustees

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

**ENERGY MODIFICATIONS TO BUILDINGS - PHASE V (PROJECT "A")
(FAWCETT CENTER FOR TOMORROW, FOUNDERS HALL,
HEALTH SCIENCES LIBRARY) (contd)**

Total All Contracts: \$173,400.00
Total Contingency Allowance: \$ 7,260.43 which is 4 per cent of construction contracts
Total Project Cost: \$199,700.00
Funding: Budget Account 210134

**NATIONAL ENERGY CONSERVATION POLICY ACT (NECPA) TITLE III PROGRAM,
CYCLE I ENERGY CONSERVATION MEASURES - ECM-2
(SMITH LABORATORY/MCCAMPBELL HALL)**

Description: This work consists of removing an inefficient absorption unit from Smith Laboratory and relocating centrifugal unit from McCampbell Hall.

Mechanical Contract

Date Received: May 28, 1981
No. of Bids: 6
Low Bid: \$118,900.00*
High Bid: \$151,760.00*
Estimate of Cost: \$155,135.00*
Awarded to: J. A. Guy, Inc., Dublin, Ohio

Electrical Contract

Date Received: May 28, 1981
No. of Bids: 2
Low Bid: \$ 23,095.00*
High Bid: \$ 26,326.00*
Estimate of Cost: \$ 55,380.00*
Awarded to: Electric Power Equipment Co., Columbus, Ohio

*Recommended alternates reflected in these figures.

July 10, 1981 meeting, Board of Trustees

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

NATIONAL ENERGY CONSERVATION POLICY ACT (NECPA) TITLE III PROGRAM,
CYCLE I ENERGY CONSERVATION MEASURES - ECM-2
(SMITH LABORATORY/MCCAMPBELL HALL) (contd)

Total All Contracts:	\$141,995.00
Total Contingency Allowance:	\$ 953.93 which is 1 per cent of construction contracts
Total Project Cost:	\$166,294.00
Funding:	Federal Funds and Ohio Board of Regents

STADIUM DRIVE PAVEMENT REPAIRS

Description: Due to deterioration, repair sidewalks, curbs, and pavement from Tuttle Park Place west to the Stadium Drive Bridge on Stadium Drive.

General Contract

Date Received:	June 12, 1981
No. of Bids:	4
Low Bid:	\$109,400.00
High Bid:	\$158,404.25**
Estimate of Cost:	\$157,000.00*
Awarded to:	Gaddis and Son, Inc., Columbus, Ohio
Total Contract:	\$158,404.25
Total Project Cost:	\$161,481.28
Funding:	Budget Account 210134

*Please note that Item No. 1 - General Contract is in excess of the filed estimate of cost; however, the total price of the contract is within 10 per cent above the total estimate of cost and is therefore being recommended for award as provided by Section 153.12 of the Ohio Revised Code.

**Please also note that the above contract is awarded to the fourth lowest bidder. The three lower bids were rejected because the contractors were not certified as minority contractors and did not meet the guidelines as set forth in House Bill 584, as defined by the Office of Equal Employment Opportunity.

July 10, 1981 meeting, Board of Trustees

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

NEWTON HALL - REPLACEMENT OF FIREPROTECTIVE MATERIALS

Description: Remove exposed fireproofing material and replace with non-asbestos fireproofing, encapsulate any residual asbestos to prevent fibers going into air. Areas include nurses' locker room, mechanical room, stairwells, walls, ceilings, on the ground floor, first, and top floors of Newton Hall.

General Contract

Date Received:	May 28, 1981
No. of Bids:	1
Low Bid:	\$ 86,969.00
Estimate of Cost:	\$ 88,500.00
Awarded to:	M. K. Moore & Sons, Inc., Dayton, Ohio
Total Contract:	\$ 98,000.00
Total Contingency Allowance:	\$ 9,291.62 which is 11 per cent of construction contract
Total Project Cost:	\$ 98,000.00
Funding:	Budget Account 885152

PAGE HALL, RENOVATION OF ROOMS 200 AND 220

Description: Repair of deteriorated plaster which is causing hazard to occupants of area; ceiling plaster falling in both Rooms 200 and 220.

General Contract

Date Received:	June 9, 1981
No. of Bids:	6
Low Bid:	\$ 38,450.00
High Bid:	\$ 57,800.00
Estimate of Cost:	\$ 55,000.00
Awarded to:	RossLin Construction & Maintenance Co., Columbus, Ohio
Total Contract:	\$ 38,450.00
Total Contingency Allowance:	\$ 4,481.00 which is 12 per cent of construction contract
Total Project Cost:	\$ 43,700.00
Funding:	Budget Account 885158

July 10, 1981 meeting, Board of Trustees

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

OHIO UNION, EXTERIOR STEP REPAIRS

Description: Replace existing deteriorated steps on east side of Ohio Union.

General Contract

Date Received: June 12, 1981

No. of Bids: 4

Low Bid: \$ 30,300.00*

High Bid: \$ 64,373.00*

Estimate of Cost: \$ 29,400.00* **

Awarded to: Salaam Construction Co., Columbus, Ohio

Total Contract: \$ 30,300.00

Total Contingency Allowance: \$ -0-

Total Project Cost: \$ 31,545.00

Funding: Budget Account 885149

*Recommended alternates reflected in these figures.

**Please note that Item No. 1 - General Contract is in excess of the filed estimate of cost; however, the total price of the contract is within 10 per cent above the total estimate of cost and is therefore being recommended for award as provided by Section 153.12 of the Ohio Revised Code.

NOW THEREFORE

BE IT RESOLVED, That pursuant to the actions previously authorized by the Board, the award of contracts and the establishment of project funds and contingency funds for the projects listed above are hereby reported.

Mr. Hilliker: I'll move that we accept the report--then any discussion.

Mr. Devenow: Is there a second?

Mr. Immke: I'll second it.

July 10, 1981 meeting, Board of Trustees

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

Mr. Hilliker:

Well, the one area that was most discussed by this committee this morning concerned the contracts that the administration sets aside for authorized minority contractors. We did have an instance in one of the projects today where--it was a paving contract--we received four bids on the contract, but only one of which did qualify as a minority contractor. It did turn out--and the Department of Public Works has awarded that contract to that contractor. It did turn out that in this instance that contractor was the higher--the highest of the four bids that were received on the job. What the discussion was today was to check into the system of these 'set-aside' projects whereby we can be assured that on future projects we get more competitive bidding in this area. This particular contract ended up being approximately 40 percent above the low bid although it was very near the University's estimate of the cost, but what we are concerned about is that on future contracts that if we can't get a competitive bidding stance among the minority contractors then we will be paying, in many instances, too high a premium. In the near future we will be inviting representatives of the Department of Public Works to speak to us on what we can do, or what they can do, to insure us that in the future that these 'set-aside' projects still remain competitive even though by necessity they will be awarded to minority contractors.

Mr. Devenow:

Any questions of Mr. Hilliker? This is a motion to accept the report. I would like to make it clear that I do not agree with the one item, but I will accept it as a report. I was going to abstain, but I will accept it as a report. With that I will ask for a roll call vote.

The resolution was adopted by unanimous roll call vote.

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REPORT - EXPENSES FOR DESIGNATED ADMINISTRATIVE OFFICIALS

Resolution No. 82-14

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

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

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

July 10, 1981 meeting, Board of Trustees

REPORT - EXPENSES FOR DESIGNATED ADMINISTRATIVE OFFICIALS (contd)

NOW THEREFORE

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

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

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APPOINTMENT OF INVESTMENT COUNSELORS

Resolution No. 82-15

BE IT RESOLVED, That upon the recommendation of the Fiscal Affairs Committee the following investment policies pertaining to the University's Investment Portfolio be implemented in accordance with the terms and conditions set forth.

Reappointment of the following-named investment managers to counsel in Endowment investments totalling the amounts indicated:

The Chicago Corporation	\$14,000,000
Huntington Investment Management Corporation	\$19,500,000
Siebel Capital Management, Inc.	\$11,000,000
Tallasi Management Company, Inc.	\$ 7,500,000

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

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REPORT - UNIVERSITY'S INVESTMENT PORTFOLIO

Resolution No. 82-16

RESOLVED, That the report on the University's Investment Portfolio, dated June 30, 1981, as submitted to the Fiscal Affairs Committee of the Board of Trustees, be received and filed with the official records of the Board.

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July 10, 1981 meeting, Board of Trustees

COMMENTS

Mr. Devenow:

This is Dr. Enarson's last official meeting--Trustees' meeting--and I would like to turn the meeting back to him for any comments he might like to make.

President Enarson:

Mr. Chairman, you upstaged me on that--I was simply going to say and I will now say--that traditionally August is a sacred month. You are relieved momentarily of your awesome responsibilities. We rarely have a meeting in August and very seriously, we will not have any special meeting unless it proves necessary, but given the seriousness of the problems we face I can't guarantee that we won't. It appears extremely unlikely that there will be any resolution of the legislative action by that time and absent that or something else I think it is unlikely that there will be a need for an executive session. As I drive across the wheat fields of Kansas on commencement day I will be thinking about you.

Mr. Redman:

Well, Mr. Chairman, before you terminate the meeting, I have a few remarks I would like to make. Are you through with the rest of the business? I am not on the agenda but I would like to get on it. Being in Florida I receive these OSU news digests from the University, and I generally go over them with interest, and I found one in this last one that made me angry, and at my age that comes hard. It seems that in the *Lantern* issue of Friday, May 29, there was what I consider to be a scurrilous attack upon the Governor. I might add that I have not discussed this with the Governor if anybody wants to know, but the reprint that I have here presumably quotes from the *Lantern* although the reprint is from the *Citizen Journal*, so if there is any inaccuracy between the actual article in the *Lantern* which I don't have and what the Journal says was said in the *Lantern*, I would stand to be corrected in that regard. But before I make the remarks relating to what is contained in the article, I want to make the general statement that I don't think the *Lantern*, which is a tax supported institution at this University and has been for 100 years, has any business being in the political arena. That's the basic complaint I have with the article itself. What this young man had to say, or whatever the *Lantern* staff had to say--if they want to promote Mr. Metzbaum's candidacy for the United States Senate, I think they should hire themselves a public relations staff, get some ballots printed and get out on the campus and distribute them. I don't think that the *Lantern* is any place for this kind of attack on the Governor.

Now as I analyze it, the article says that the complaint about the Governor is that he has advocated more jobs, no taxes, and fund higher education. Well I'll say that's an accurate quote. He has been for more jobs, he has been for keeping down the taxes, and he has been for funding higher education since I have known him, and I've known him since 1946. Now if that is all bad, fellows, I am in the wrong business.

July 10, 1981 meeting, Board of Trustees

COMMENTS (contd)

Mr. Redman: (contd)

Then the second complaint is that he says the Governor says no Ohioan lives more than 30 miles away from a state-supported college. Is that bad? I think that's good. I think the Governor thinks it was good. He went to a lot of trouble, time and effort to get it established--I'll tell you that because I know about it.

I think the last thing, perhaps--the point at issue is that Rhodes ordered out the National Guard to Kent State which led to the murder of four persons. The effect of that is to accuse the Governor of being an accessory to murder. Now you know fun is fun, but I don't like that. And if this *Lantern* purports to speak for this University, I'll say one thing--it doesn't speak for me. And I would like to know who is responsible for the editorial policy of this paper. All papers--privately owned papers--have an editorial policy and it is set. If they want to be democratic--fine; if they want to support republicans--fine; if they want to support homosexuality--fine; whatever--as long as they own the paper, they can print any dang thing they want, but I don't think that this newspaper which is supported by State funds has any business making this kind of statements; and I think I would like to know more about the editorial policy in the *Lantern* and who is running it. Mr. Chairman, that is all I have to say.

Mr. Devenow:

Thank you, Mr. Redman. Any other comments? I would just like to say, Mr. Redman, that I, too, was offended by that editorial. I am not arguing with the right of anyone to print that editorial, but I do feel that--I was not appointed by Governor Rhodes to this Board--that he has been one of the great Governors of this State, the greatest Governor this State has had or any other state, and we operate in some 50 states. And I know what he has done for this State and I know what he has done for education. I resent the implications in the article, and I think it is basically an opinionated article, and I guess I agree with you that as a Board member, I would like to state publicly I find it to be rather repulsive.

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Thereupon the Board adjourned to meet Friday, September 4, 1981, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, at 1:30 p.m.

Attest:

Madison H. Scott
Secretary

Chester Devenow
Chairman

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APPENDIX I

Degrees Conferred at

THE OHIO STATE UNIVERSITY
COMMENCEMENT CONVOCATION

September 3, 1981

Commencement Speaker



Vern Riffe
Doctor of Laws

Vern Riffe, Speaker of the Ohio House of Representatives, has served the people of Ohio with increasing distinction since 1958. Now in his fourth term as Speaker, he holds one of the major positions of authority and leadership in state government. That he has consistently exercised that authority and leadership to advance the state of Ohio and to further the well-being of all its citizens is documented by the many honors he has received. A strong advocate of education, he has repeatedly demonstrated his understanding of the vital role public higher education must play in Ohio's future. The Ohio State University is pleased to honor Vern Riffe as a distinguished public servant and for his lasting contributions to the people of Ohio.

Recipients of Honors

Alistair Cooke
Doctor of Humane Letters
(Presented in absentia)

No one better personifies the bond of friendship and common heritage between this country and Great Britain than Alistair Cooke. No one has done more in recent years to strengthen that bond. Author, journalist, broadcaster, Alistair Cooke is widely acclaimed as a perceptive and eloquent interpreter of America, its personalities and its culture. His incisive writings and television commentaries have kindled in this country a new sense of history, literature, and the American experience. He embodies values that guide this University — a dispassionate search for truth, an openness to new ideas, an abiding belief in people. The Ohio State University is pleased to honor Alistair Cooke for enriching our lives as individuals and our heritage as a people.

Francis R. Aumann
Distinguished Service Award

For more than forty years, Francis R. Aumann, Professor Emeritus of Political Science, dedicated his professional life to building a strong department and enhancing the reputation of this University. He was eminently successful. As colleague and friend, he instilled a spirit of collegiality among faculty and a sense of excellence among students. His solid record of research and publication helped establish the department's national reputation and set the high standards that guide it today. Many of his students went on to positions of note in government, law, and education. During a long and distinguished career, Francis R. Aumann enriched the life of this University in lasting ways and earned the highest accolade of all, the respect and admiration of his peers.

Richard P. Goldthwait
Distinguished Service Award

Professor Emeritus of Geology and internationally recognized polar scientist, Richard P. Goldthwait served this University with unusual distinction for more than three decades. Widely acclaimed for his research, he is acknowledged as one of the world's leading figures in the study of glacial history and geology. As founder and first director of the Institute of Polar Studies, he was the guiding force that established Ohio State as an international center for polar and alpine study. As teacher, research scientist, and administrator, he personifies excellence. His many contributions to science have brought great credit to this University and enhanced its stature in the world community of scholars.

Walter C. Reckless
Distinguished Service Award

Walter C. Reckless, Professor Emeritus of Sociology, is respected throughout the world for his many contributions to the field of criminal justice. His influence has been profound. He established the Ohio State program in criminology and made it one of the finest in the nation. As one of the pioneers in American criminology, Walter Reckless laid the foundation for today's criminal justice programs. His initiative in establishing corrections programs at Ohio State and abroad confirmed his position as a leading international authority. Students from all parts of Ohio, the nation, and the world came to Ohio State to study with him. Many are now leaders in the field of corrections. His contributions reflect the essential humaneness that has characterized his long and distinguished career.

Clarence E. Taft
Distinguished Service Award

The full promise of the land-grant university is reflected in the long and distinguished career of Clarence E. Taft, Professor Emeritus of Botany. An inspiring teacher, he has been honored by his college and the University for excellence in the classroom. As a research scientist, he is recognized as a world authority on water pollution problems related to algae. As a servant of the public, he shared his scientific knowledge generously with communities and states to help them monitor water quality and maintain healthful standards. For more than four decades, he exemplified the mission of Ohio State in its highest form. And in so doing, he brought honor and respect to his profession and to this University.

J. Edward Weaver
Distinguished Service Award

To direct the intercollegiate athletic program at The Ohio State University is to face one of the most demanding administrative challenges in higher education. J. Edward Weaver, Director of Athletics, Emeritus, met that challenge with authority, dedication, and with the interests of student-athletes foremost in mind. He worked diligently to maintain the fiscal integrity of the athletic program and to assure the good name of Ohio State athletics. He opened the way to Ohio State's position of national leadership in women's athletics. For more than three decades — with the Alumni Association, the Office of Business and Finance, and most notably the Athletic Department — J. Edward Weaver served with distinction and devoted his professional life to the advancement of his alma mater.

The Graduate School

Dean: Jules B. LaPidus

Doctor of Philosophy

- Mohamed Hani Hassan Abdel-Nabi, Alexandria, Egypt; M.B. C.H. B., M.S. (University of Alexandria); *Zoology*; *Dr. Willard C. Myser*
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- James R. Corbett, Syracuse, N. Y.; B.S. (Syracuse University); M.S. (San Diego State College); *Communication*; *Dr. Thomas A. McCain*
- Kofi Quandahor Dazdie, Axim, Ghana, West Africa; B.S. (University of Ghana); M.B.A.; *Business Administration*; *Dr. Bernard J. LaLonde*
- LaPointe Manuel Davis, Fayetteville, N. C.; B.S. (Virginia State College); M.Mus. (University of Michigan); *Music*; *Dr. Jere L. Forsythe*
- Patricia Davis, Manassas, Va.; B.S., B.A. (Mary Hardin-Baylor); M.S. (Smith College); *Physical Education*; *Dr. Lewis A. Hess*
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- Jaropolk Lassowsky, Clarion, Pa.; B.M. (New York College of Music); M.A. (New York University); *Music*; *Dr. William Poland*
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- Saiedahmad Shafii, Tehran, Iran; B.S., M.S. (University of Tehran); *Agricultural Engineering*; *Dr. Robert G. Holmes*
- Dale Eugene Sharp, York, Pa.; B.S. (Duquesne University); *Chemistry*; *Dr. Larry B. Anderson*
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- Susan A. Siltanen; B.A., M.A. (University of South Florida); *Communication*; *Dr. Donald J. Cegala*
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- Robert Howard Stock, Canton; B.S. (Case Western Reserve University); M.S.; *Poultry Science*; *Dr. J. David Latahaw*
- Elaine Margaret Strauss, Wheeling, W. Va.; B.S. (Wheeling College); M.S.; *Microbiology*; *Dr. Robert M. Pfister*
- Linda Mezydlo Subich, Milwaukee, Wis.; B.S. (University of Wisconsin—Milwaukee); M.A.; *Psychology*; *Dr. Nancy E. Betz*

- Le Dak Tang, Taipei, Taiwan, Republic of China; B.Ed. (Taiwan Normal University); M.A. (East Tennessee State University); *Education*; Dr. Dewey A. Adams
- Georgia Marie Tangi, Alliance; B.F.A. (Kansas City Art Institute); M.A.; *Art Education*; Dr. Arthur D. Efland
- Tony Stephen Taylor, Connelly Springs, N. C.; B.S. (North Carolina State University at Raleigh); *Physics*; Dr. Carl E. Nielsen
- Kok Wah Teoh, Kuala Lumpur, Malaysia; B.S. (University of Malaya); M.S.; *Statistics*; Dr. Ramesh C. Srivastava
- James Edward Thoma, Eastlake; B.S. (Grove City College); M.A.; *Physical Education*; Dr. Donald K. Mathews
- William John Thompson, Columbus; B.A. (Dartmouth College); M.A.; *Education*; Dr. George Ecker
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- Spyridon Zemos, Thessaloniki, Greece; B.S. (Aristotelian University of Thessaloniki); M.A. (Kent State University); M.S.; *Nuclear Engineering*; Dr. Shokiro Nakamura
- Ibrahim Ahmad Wahem, Aljanodiah, Syria; B.Sc. (Damascus University); M.S.; *Horticulture*; Dr. Wilbur A. Gould
- Antoinette Wojciak Welch, Circleville; B.S., M.S.; *Agricultural Education*; Dr. J. David McCracken
- Robert Lee Wheatley, Jr.; B.S. (Elizabethtown College); M.A.Ed. (University of Kentucky); *Education*; Dr. Aaron J. Miller and Dr. Anthony A. Olinzock
- Leonard Allison Williams, Jr., Lake Station, Ind.; B.A., M.A. (Southern Illinois University); *Political Science*; Dr. Kristi Andersen
- Jack H. Winters, Columbus; B.S.E.E. (University of Cincinnati); M.S.; *Electrical Engineering*; Dr. Robert T. Crompton, Jr.
- Gloria Rifci Woods, Columbus; B.A. (University of Miami); M.S.; *Education*; Dr. Harold C. Trimble
- Chien-Chin Wu, Pu-Li, Taiwan; B.S. (Taipei Medical College); M.S. (National Tsing Hua University); *Pharmacy*; Dr. Theodore D. Sokoloski
- Janice Faye Wunderle, Columbus; B.S., M.S.W.; *Psychology*; Dr. Henry Angelino
- Anderson Briggs Young, Rochester, N. Y.; B.A. (Ohio Wesleyan University); M.Div. (Union Theological Seminary); *Physical Education*; Dr. Charles L. Mand
- Elmer Lorne Young, Columbus; B.A. (Amherst College); M.S.; *Mathematics*; Dr. Norman Levine
- Bong Jin Yum, Seoul, Korea; B.S. (Seoul National University); M.Sc. (Oregon State University); *Industrial and Systems Engineering*; Dr. John B. Neuhardt
- Abd El Aziz Hussein Zahran, Cairo, Egypt; B.S. (Cairo University); M.S. (Indiana University); *Education*; Dr. Desmond L. Cook
- Steven Joseph Zeil, Columbus; B.S. (Thomas More College); M.S.; *Computer and Information Science*; Dr. Lee J. White
- Master of Accounting**
- Nora Maureen Csetri, Columbus; B.A. (University of Florida); *Accounting*
- Chien-Chien Lee Yeh, Taipei, Taiwan, R.O.C.; B.B.A., M.S. (National Taiwan University); *Accounting*
- Master of Applied Statistics**
- Hui-Kao Chang, Kaohsiung, Taiwan, R.O.C.; B.L. (National Chung Hsing University); *Statistics*
- Chyi-Woei Chu, Chung-Li, Taiwan, R.O.C.; B.Bus. (Fu-Jen Catholic University); *Statistics*
- Master of Architecture**
- Michael David Crowe, Mentor; B.A.; *Architecture*
- Andrea Fossati, Geneva, Switzerland; Architecte de Batiment (The Atheneum); *Architecture*
- Wesley Eldred Legg, Bexley; B.S.Arch.; *Architecture*
- Wei-Sheng Lin, Taiwan, R.O.C.; B.Arch. (Chung Yuan College of Science and Engineering); *Architecture*
- Samat Nana, Bangkok, Thailand; B.Arch. (King Mongkut's Institute of Technology); *Architecture*
- Aaron Kwok-Ng Tsui, Hong Kong; B.S. (Chu Hai College); *Architecture*
- Master of Arts**
- Cynthia Anne Adams, Peoria, Ill.; B.A. (Saint Ambrose College); *Physical Education*
- Kathy Braden Adams, Newark; B.S.Ed.; *Education*
- Florence Starn Allen, Columbus; B.A. (Stetson University); *Education*
- Andrea Levy Alpert, Reynoldsburg; B.S.Ed.; *Education*
- Catherine Diane Anderson, Perrysburg; B.S.Ed.; *Education*
- Renée Devoyne Aniton, Columbus; B.S.; *Education*
- James Anthony Arnett, Westerville; B.S. (Otterbein College); *Psychology*
- Azam Attar, Tehran, Iran; B.A., M.A. (University of Tehran); M.A.; *Political Science*
- Sue Ann Averill, Marshallville; B.A.; *Romance Languages and Literatures*
- Jay Creighton Bair, Mansfield; B.S.Ed. (Miami University); *Education*
- Roxie Mae Ball, Columbus; B.S.Ed. (Kent State University); *Education*
- Gregory Paul Banbury, Mt. Vernon; B.S.; *Physical Education*
- Hattie Lyle Banister, Columbus; B.S.Ed. (Chicago Teacher College); *Education*
- Tobianne Southern Banister, Worthington; A.B. (Grinnell College); *Education*
- Sharon Bickel Bardus, Columbus; B.S.; *Education*
- Ruth Ellen Barnett, Canal Winchester; B.S.Ed.; *Education*
- Barbara Allyn Bates, Louisville, Ky.; B.S. (University of Louisville); *Education*
- Gilda Joyce Battle, Richmond, Va.; B.S. (Virginia State University); *Education*
- Blair Richard Beals, Columbus; B.S. (Ohio University); *Physical Education*
- Eleanor E. Beavers, Cincinnati; B.A.; *Black Studies*
- Vicki DeBolt Bell, Marion; B.S.Ed.; *Education*
- Clarence Marvin Benjamin, Washington, D. C.; B.A. (University of Maryland—Eastern Shore); *Black Studies*
- Sandra L. Bennetsprow, Columbus; B.S.Ed.; *Education*
- Darlene Bethea, Baltimore, Md.; B.S. (Coppin State College); *Education*
- James William Bickel, Newark; B.A. (Denison University); *Physical Education*
- Jeffrey Homer Bigam, Mt. Sterling; B.S.Ed.; *Education*
- Douglas Ronald Bisson, Fort Lauderdale, Fla.; B.A. (Florida Atlantic University); *History*

- Wallace William Black, Lancaster; B.A. (Ohio Wesleyan University); *Education*
- Vanessa Elsie Blake, Santa Cruz, Calif.; B.A. (Oakwood College); *Music*
- Frank Xavier Blazewicz, Columbus; B.S. (Miami University); *Public Administration*
- Nancy Truitt Blosser, Kent; B.A. (Miami University); *Physical Education*
- Melva Lynn Bobbitt, Columbus; B.A.; *Education*
- Rhonda Renee Bogue, Columbus; B.S.; *Education*
- René Lawson Bolotta, Delaware; B.S.; *Education*
- Gail Smith Bond, Columbus; B.S.Ed.; *Education*
- Richard Blake Bond, Columbus; B.S.Ed. (Bowling Green State University); *Education*
- Marcia Louise Moore Booher, Columbus; B.S.Ed. (Miami University); *Education*
- Germayne E. Boswell, Timonium, Md.; B.A. (Russell Sage College); *Education*
- Laurel Ann Bowlus, Worthington; B.Mus.Ed. (Capital University); *Education*
- William Albert Bowman, Columbus; B.S.Ed.; *Education*
- Beverly Box, Chester, Pa.; B.S. (Cheyney State College); *Education*
- Allan Paul Braaten, Langdon, N. D.; B.S.Ed. (University of North Dakota); *Education*
- Betty L. Brewer, Columbus; B.F.A., B.Art Ed.; *Art Education*
- Mareetta Brewer, Columbus; B.A.; *Education*
- Sreedevi Krishnamurthy Bringi, Bangalore, India; B.S. (Bangalore University); M.S. (Indian Institute of Technology); *M.S.; Education*
- Carol Marie Brockway, Hebron; B.S.Ed.; *Education*
- John Quincy Brown, Jr., Columbus; B.S., M.A. (Central Michigan University); *Education*
- Douglas Allen Bruce, Chillicothe; B.S. (University of Dayton); *Physical Education*
- Richard Dee Burch, Glouster; B.S.Ed. (Ohio University); *Education*
- Beverly Wiesenmayer Burdette, Lima; B.S.Ed. (Ohio Northern University); *Education*
- Dale Stancel Lee Burgess, Kingstree, S. C.; B.A. (Benedict College); *Journalism*
- Betsy R. Burke, Columbus; A.B. (Ohio University); *Education*
- John Joseph Byczkowski, Buffalo, N. Y.; B.A. (Buffalo State University); *Journalism*
- Cynthia Ellen Bylander, Columbus; B.F.A. (University of South Dakota); *Music*
- Diana Louise Byrum, Columbus; B.S.Ed. (Kent State University); *Education*
- Robert Allen Callahan, Columbus; B.S.Ed. (Bowling Green State University); M.Div. (Andover Newton Theological School); *Education*
- James Allen Cannon, Westlake; A.B. (Ohio University); *Journalism*
- Russell Carey, Wimborne, England; Diploma (Polytechnic of Central London); *Journalism*
- Gloria Marlene Carney, Zanesville; B.S.Ed. (Ohio University); *Education*
- Randi Maria Carroll, Columbus; B.S.Ed.; *Education*
- Mary Alpharetta Cartwright, Columbus; B.S.Agr.; *Education*
- Jo Ann Casey, Columbus; B.S. (Miami University); *Education*
- Terrell Mae Casparro, Dayton; B.S.Ed.; *Education*
- Sang-Ling Chang, Taiwan, R.O.C.; B.A. (Tamkang College); *Education*
- Nancy Sue Charlton, Columbus; B.S.; *Education*
- Tai-Hung Eva Chen, Taiwan, R.O.C.; B.Econ., M.A. (National Taiwan University); *Economics*
- Nancy Stage Claggett, Delaware; B.S.N. (University of Cincinnati); *Education*
- Kay Batzel Clarke, Newark; B.S. (University of Pittsburgh); *Education*
- Ellen Giardina Clizbe, Mt. Vernon; B.S. (Andrews University); *Education*
- Sharon Yvonne Combs, Urbancrest; A.B. (Ohio University); *Education*
- Thomas Jessen Conkle, Toledo; B.A.; *History*
- Peggy Jane Conley, Marion; B.A. (Saint Mary's College); *Education*
- Sondra Kay Conley, Grove City; B.S.; *Education*
- Deanna Kaye Cook, Cincinnati; B.A.; *English*
- Robert John Cotnam, Stuart, Fla.; B.S.Ind.Des.; *Industrial Design*
- Sheryl Alice Covington, Jackson, Miss.; B.S. (Jackson State University); *Education*
- Robert Michael Crabtree, Ashland; B.A. (DePauw University); *Romance Languages and Literatures*
- Glenn Edward Crawford, Upper Sandusky; B.S.Ed.; *Education*
- Anne Ziemann Cress, Appleton, Wis.; B.S. (University of Wisconsin—Eau Claire); *Education*
- Garry Eugene Cronenwett, Galion; B.S.Ed.; *Education*
- Pamela Kay Crosron, Worthington; B.S.Ed.; *Education*
- Pamela Jean Crouse, Cincinnati; B.S. (Bowling Green State University); *Education*
- Ellen Finney Crouthamel, Galloway; B.S. (Bowling Green State University); *Education*
- Kathleen Carolyn Curtin, Dumont, N. J.; B.A. (Glassboro State College); *Music*
- Kenneth Michael Cutler, New York, N. Y.; B.A. (Queens College); *Physical Education*
- Nancy Jane Cutrell, Salisbury, N. C.; B.A. (Wake Forest University); *Physical Education*
- Thomas Edward Dannemann, New Concord; B.A. (Muskingum College); *Education*
- Mary Alice Dart, Columbus; B.A. (Southeastern Louisiana College); *Education*
- Christine Davidson, Youngstown; B.A.; *Journalism*
- Nial Evans Davis, Columbus; B.S.; *Sociology*
- Sarah Coble Davis, Columbus; B.S. (Bowling Green State University); *Education*
- Mary Trovato DeCarlo, Columbus; B.S.Ed.; *Education*
- Vincent A. Del Giudice, Franklin Lakes, N. J.; B.A. (Wittenberg University); *Journalism*
- David Kevin Demers, Frankenmuth, Mich.; B.A. (Central Michigan State University); *Journalism*
- Timothy Dale Demyan, Columbus; B.Art. Ed.; *Art Education*
- Margot Davis Dennis, Marion; B.S.Ed.; *Education*
- Elizabeth Anne Dennler, Dayton; B.A.; *Political Science*
- John Harlin Derrickson, Dayton; B.A. (Capital University); *Music*
- Chalet Recea Dickinson, Cleveland; B.A. (Capital University); *Education*
- Shirley Darlene Dillon, Delaware; B.A. (Otterbein College); *Education*
- Ann DiPangrazio, Columbus; B.S.Ed.; *Education*
- Dolores A. Dober, Coshocton; B.S. (Bowling Green State University); *Education*
- Nancy M. D'Oench, Columbus; B.S.Ed.; *Public Administration*
- Cheryl Lynn Donnhammer, Shelby; B.A. (Capital University); *Education*

- Laura L. Dotson, Lima; B.S.; *Education*
- Dianna Jeanne Downing, Rock Island, Ill.; B.S.Ed. (University of Wisconsin); *Education*
- Joyce A. Drake, Newark; B.S.; *Education*
- Celquetti Del Nita Easter, Waldo, Ark.; B.A. (University of Arkansas); *Education*
- Leslie Ann Eitel, Columbus; A.B. (Ohio University); *Education*
- Gary William Ellison, Columbus; A.B. (Brown University); *English*
- Hassan A. El-Nagar, Shendi, Sudan; B.A. (Omdurman Islamic University); *Black Studies*
- Sonia El-Oraby, Mansfield; B.A.; *Romance Languages and Literatures*
- Patricia Sue Ensign, Mansfield; B.S. (Bowling Green State University); *Education*
- Sharon Leta Esworthy, Newark; B.S.Ed.; *Education*
- Cynthia Lee Evans, Worthington; B.S.Ed.; *Education*
- Glenda Elaine Ezell, Shakertown, Ky.; B.A., M.A. (Western Kentucky University); *Education*
- Kathy Ann Ezell, Fort Valley, Ga.; B.S. (Fort Valley State College); *Education*
- Teresa Ann Feddersen, Columbus; B.S. in Educ. (Kent State University); *Education*
- Michael Edward Fenlon, Marcellus, N. Y.; B.S. (Slippery Rock State College); *Physical Education*
- Helena J. Sheehan Ferguson, Talihina, Okla.; B.A. (Ohio Dominican); *Education*
- Laura Elaine Field, McAllen, Tex.; B.S. (Texas Women's College); *Physical Education*
- Martha Jane Firment, Columbus; B.S.Ed. (Bowling Green State University); *Education*
- Christina Hayes Fisher, Columbus; B.S.Ed.; *Communication*
- Lynn Ann Fitzpatrick, Columbus; B.S.Ed. (Miami University); *Education*
- Esther Haubert Marie Fleming, Marion; B.S.Ed.; *Education*
- Duane August Flemming, Columbus; B.S. (Winona State College); *Education*
- Jerry Vance Flowers, Columbus; B.A., M.Div. (Asbury Theological Seminary); *Philosophy*
- Charles Daniel Foley, Lowell, Mass.; B.A. (College of the Holy Cross); *Classics*
- Paul David Ford, Hebron; B.S.Ed.; *Education*
- Carol Harris Forsythe, Champaign, Ill.; A.B. (University of Illinois); *Education*
- Daniel Perry French, Hamilton; B.A. (Miami University); *History*
- Christopher Gallagher, Akron; H.N.D. (Napier College); *Photography and Cinema*
- John Stephen Gallick, Columbus; B.A.; *Education*
- Sandy Sue Garey, Heath; B.S. (Glennville State College); *Education*
- Kathleen M. Garmise, Dearborn, Mich.; A.B.Ed. (University of Michigan); *Education*
- Karen A. Geiger, Bellevue; B.S. (Bowling Green State University); *Education*
- Diane Marie Gerads, Minneapolis, Minn.; B.A. (College of Saint Teresa); *Communication*
- Janice LaVern Gilmore, Greensboro, N. C.; B.S. (North Carolina Agricultural and Technical State University); *Education*
- Jose Luis Gimenez, Helling, Spain; B.A. Ed.; *Industrial Design*
- Charles Frederick Godbey, Chicago, Ill.; B.S. (University of Chicago); *Philosophy*
- Carol Jean Godby, Newark, Del.; B.A. (University of Delaware); *Linguistics*
- Peter Brian Goldthorpe, Toronto, Canada; B.A. (University of Western Ontario); *Psychology*
- Laura Diane Gomber, Orlando, Fla.; B.S. (Florida Southern College); *Education*
- Carolyn Rose Goode, Boydton, Va.; B.S. (Virginia State College); *Physical Education (Health Education)*
- Rose Kramer Gordon, Delaware; B.S.; *Education*
- Jenine Ann Goren, Holyoke, Mass.; B.S. (Northeastern University); *Communication*
- Meir Goren, Beer-Sheva, Israel; B.F.A. (Columbus College of Art & Design); *Art Education*
- Martin Saul Gould, Baltimore, Md.; B.S. (University of Baltimore); *Education*
- Edna Yvonne Grace, Charleston, S. C.; B.S. (South Carolina State College); *Music*
- Nancy McCampbell Grace, Columbus; B.A. (Otterbein College); *English*
- Jeff Steven Greenberger, Ardsley, N. Y.; B.A. (State University of New York); *Classics*
- Ann Louise Greene, Huntington, W. Va.; B.A. (Marshall University); *Education*
- Jonathan P. Greentree, Columbus; B.A.; *Journalism*
- Thyra Perkins Griffin, Columbus; B.S.Ed. (Central State University); *Education*
- James Peter Grimm, Columbus; B.A. (Ashland College); *Education*
- Mary Ann Grossman, Columbus; B.S.Ed.; *Education*
- Melissa Marsh Gruzs, Columbus; B.S.Ed.; *Education*
- Cynthia Dora Gudel, Dublin; B.A. (Mount Union College); *Education*
- Barbara Overton Guertel, Columbus; B.S.Agr.; *Education*
- Takao Gunji, Tokyo, Japan; B.S., M.S. (University of Tokyo); *Linguistics*
- Susan Babula Hadden, Pound Ridge, N. Y.; B.S. (University of Hartford); *Education*
- Laura Christine Haferd, Gallion; B.A. (University of Chicago); *Journalism*
- Barbra Ann Hale, Troy, Mo.; B.A. (University of Missouri); *Psychology*
- Gwen Lee Haller, Coshocton; B.S.Ed.; *Education*
- Barbara Ann Hamilton, Columbus; B.S. (Kent State University); *Education*
- William Joseph Hanna, New York, N. Y.; B.A. (University of South Florida); *Physical Education*
- Marlene A. Harbert, Shinnston, W. Va.; B.S.; *Education*
- Dianne Hossler Harding, Columbus; B.Mus.Ed.; *Education*
- Phillis Olivia Hardison, Sneads Ferry, N. C.; B.S. (Winston-Salem State University); *Education*
- Sue Ellen Harness, Lucasville; B.S. (Ohio University); *Physical Education*
- John Powe Harper, Camilla, Ga.; B.A. (Clark College); *Education*
- Margaret Huiet Harriman, Bexley; B.S.; *Education*
- Bryan David Harris, Columbus; B.S.Ed.; *Physical Education*
- Barbara J. Harrison, Columbus; B.S. (Eastern Kentucky University); *Physical Education*
- Linda Lee Harshman, Cincinnati; B.S.; *Education*
- Joe Kevin Hash, Columbus; B.A.; *English*
- Ann Elizabeth Havener, Columbus; B.A. (Hiram College); *Education*
- James Lee Hayes, Zanesville; B.A. (Muskingum College); *Education*
- Katherine Lee Heltzer, Worthington; B.S. (West Virginia University); *Education*
- Randy Joe Hesse, Mendon; B.A. (Adrian College); *Education*
- Joanne Elizabeth Hill, Gallion; B.S.Ed. (Miami University); *Education*
- Steven Burnett Hines, Worthington; B.F.A. (Ohio University); *History of Art*

- Lori Ann Hinz, Parma; B.S.Ed.; *Education*
- Mark Charles Hiser, Westerville; B.S.Ed.; *Education*
- Nancy Lee Hissong, Canton; B.S.Ed. (Ohio University); *Education*
- James Martin Hobbs, Greensburg, Pa.; B.S. (University of Pittsburgh); *Physical Education*
- Claudine Marie Hollern, Columbus; B.S. (Central Connecticut State College); *Physical Education (Health Education)*
- Jay Scott Hollinger, Huntington, W. Va.; B.A.; *Education*
- Judy McDonald Hollinger, Huntington, W. Va.; B.A. (Marshall University); *Education*
- Darlene Kay Hopkins, Chillicothe; B.A. (Asbury College); *Education*
- Carol Janssen Horky, Galloway; B.S.Ed.; *Education*
- Deborah Lois Horner, Clarks Summit, Pa.; B.A. (Bob Jones University); B.R.E. (Baptist Bible College); B.A. (Cedarville College); *Communications*
- Robert Bruce Horton, Cincinnati; A.B. (Brown University); *History*
- Faihe Diane Houston, Columbus; B.S.; *Education*
- Jane Ramseyer Hubbard, Columbus; B.S.; *Education*
- Betty Hoopes Huffman, La Rue; B.S.; *Education*
- Jean Krichbaum Huffman, Westerville; B.A. (Ohio Wesleyan University); *Education*
- Randall Logus Huffman, La Rue; B.S.Agr., B.S.Ed.; *Education*
- Lisa Ann Daugherty Jacobellis, Akron; B.F.A.; *History of Art*
- Alvin Ellis Iten, St. Louis, Mo.; B.S. (Bob Jones University); *Education*
- Deborah Jean Jibilian, Fremont; B.S. (Bowling Green State University); *Education*
- Dan Frederick Johnson, Columbus; B.S.; *Education*
- Dennis Alan Johnson, Lima; B.A. (Asbury College); *Education*
- Dianne Ethel Johnson, Walpole, Mass.; B.A. (University of Massachusetts); M.C.R.P.; *Public Administration*
- Gerald Keith Johnson, Dover, N. C.; B.S. (Fayetteville State University); *Education*
- Janet Jenkins Johnson, Columbus; B.S., B.A.; *Education*
- Catherine Ann Jolley, Atlanta, Ga.; B.A. (Georgia State University); *Linguistics*
- Deana Carol Jones, Mansfield; B.A. (Otterbein College); *Education*
- John Stewart Jordan, Oaklyn, N. J.; B.A. (Dartmouth College); *Psychology*
- Gretchen Joseph, Quincy, Mass.; B.S.Ed. (Bridgewater State College); *Education*
- Linda S. Kazee, Columbus; B.S.; *Education*
- Daniel G. Kearney, Goleta, Calif.; B.A. (University of California, Santa Barbara); *Education*
- Sandra Kay Kearney; B.A. (University of California); *Education*
- Phillip De Loss Keener, Ashland; B.S. (Bowling Green State University); *Physical Education*
- Jo B. Kelley, Columbus; B.S. (Keene State College); *Education*
- Meri Kersey Kelley, Lebanon; B.Mus.Ed.; *Music*
- Carole Brunton Kelsey, Columbus; B.S.Ed.; *Education*
- Cristin Lee Kelso, Columbus; A.B. (Ohio University); *Business Administration*
- Steven Craig Kemme, Cincinnati; B.A. (Thomas More College); *Journalism*
- Michael James Kennedy, Columbus; B.S.; *History of Art*
- Nancy Ann Kessler, Columbus; B.A. (Capital University); *Education*
- Clyde William Kilgore, Whittier, Calif.; A.B. (University of California—Los Angeles); Th.M. (Dallas Theological Seminary); *Philosophy*
- Cecilia Kinast, Pittsburgh, Pa.; B.A.; *Psychology*
- Robert Lee Kirchner, Upper Sandusky; B.A. (Kent State University); *Economics*
- John David Kirkland, Richwood, W. Va.; B.A., M.A.; *Public Administration*
- Anita Einstein Kirshen, Marion; B.Ed. (Chicago State University); *Education*
- Jodelle Dawn Klamfoth, Canal Winchester; B.S.Ed.; *Education*
- Sally Lynn Kleinman, Shelby; B.S.Ed.; *Education*
- Bruce Carl Klopfenstein, Tiffin; B.A.C. (Bowling Green State University); *Communication*
- Kara Anton Knebel, Columbus; B.A.; *Education*
- Sharon Meyer Koehler, Columbus; B.A. (Capital University); *Education*
- Barbara Jane Kohn, Granville; B.S. (Ohio University); *Education*
- Katerina Alevras Koufos, Columbus; B.A. (Malone College); *Education*
- Mary-Tracy Teresa Kraner, Columbus; B.S. (Eastern Kentucky University); *Education*
- Kenneth Richard Kreitner, Honesdale, Pa.; A.B. (Bucknell University); *Education*
- William Randy Kubetin, Euclid; B.S. (Kent State University); M.S.; *Journalism*
- Edith Parran Kuhn, Cleveland Heights; B.A. (Allegheny College); *Education*
- William Raphael Kurtz, Jr., Whitefish Bay, Wis.; B.A. (University of Wisconsin); *Journalism*
- Tsung-Hui Lai, Tainan, Taiwan, R.O.C.; B.L. (National Chung-Chi University); M.A. (National Taiwan University); *Economics*
- Robert Edward Lampkin, Columbus; B.S.; *Black Studies*
- Margie Ann Starr Lawrence, Columbus; B.S.Ed. (Miami University); *Education*
- Judy Lynn Hinsdale Lazor, Warren; B.A.; *Communication*
- Kathy Ann Leininger, Toledo; B.S. (Miami University); *Physical Education*
- Jay Stanley Lewis, Baltimore, Md.; B.A. (University of Rochester); *Journalism*
- John Francis Liberatore, Jr., Huntington, N. Y.; B.S. (State University of New York at Cortland); *Physical Education*
- Beth Anne Liebeskind, Buffalo, N. Y.; B.S. (State University of New York at Buffalo); *Physical Education*
- Connie Ann Link, Columbus; B.S.Ed.; *Education*
- Ricky Ricardo Little, Winston-Salem, N. C.; B.A. (Oakwood College); *Music*
- Sandra Barrett Little, Millersport; B.S.; *Education*
- Jackie Diane Lohr, Nevada; B.S.Ed.; *Education*
- Susan Diane Lonborg, Sierra Madre, Calif.; B.A. (Whitworth College); *Psychology*
- Karen Lee Loper, Titusville, Fla.; B.A. (Miami University); *Journalism*
- Gary Lewis Love, Columbus; B.S. (Capital University); *Education*
- Kathleen Mavourneen Love, Cleveland Heights; B.A. (Miami University); *Education*
- Rebecca Ann Love, Columbus; B.S.H.S. (Ohio University); *Communication*
- Lois Jean Lust, Marion; B.S.Ed.; *Education*
- Mary Whitmer Lytle, Wauseon; B.S.H.E.; *Education*
- Theodora Louise Makara, Youngstown; B.S. (Youngstown State University); *Education*
- Cynthia Scheer Mann, Grove City; B.S. (West Chester State College); *Education*
- Marinda Denise Mason, Gastonia, N. C.; B.S. (Winston-Salem State University); *Education*
- Gregory Allen Massarelli, Pataskala; B.A. (Denison University); *Education*
- Larry James McAlister, Oklahoma City, Okla.; B.S. (Oklahoma State University); *Physical Education*
- Marcia Kay McBurney, Worthington; B.A. (Ohio Wesleyan University); *Education*

- Kathleen Mary McCaffrey, Cincinnati; B.S.Ed.; *Education*
- Mildred Ellen McCarty, Columbus; B.A. (Defiance College); *Education*
- Ramona Barbeau McClelland, Reynoldsburg; B.S.Ed. (Ohio University); *Education*
- Sarah E. McCray, Alexandria; B.S.Ed.; *Education*
- James Timothy McElligott, Columbus; B.S.Ed.; *Education*
- Hortense McGirt, Dublin, Ga.; B.S. (Morris College); *Education*
- Mary Kay McKeever, Miamisburg; B.A.; *Political Science*
- Gary Arthur McKenzie, Columbus; B.S.B.A. (Bowling Green State University); *Education*
- Joseph Bennie McKnight, Columbus; B.A. (Howard College); *Journalism*
- Kerrin Mary McMahan, McCall, Ida.; B.S. (University of Idaho); *Journalism*
- Frederic Lee Menefee, Chillicothe; B.S. (Ohio University); *Black Studies*
- Mary Lynn Michalak, Oregon; B.Ed. (University of Toledo); *Education*
- Molly Jo Miely, Columbus; B.S.Ed.; *Education*
- Bette Tropek Miller, Bellefontaine; B.S.Ed.; *Education*
- Geraldine Patricia Miller, Reynoldsburg; B.S.Ed.; *Physical Education*
- Janie Lishka Miller, Columbus; B.S.; *Education*
- Lisa Anne-Kern Miller, Delaware; B.Mus.Ed. (Otterbein College); *Music*
- Penelope Anne Mong, Worthington; B.S.Ed. (University of Akron); *Education*
- Teresa Louise Monnett, Washington C. H.; B.S. (Purdue University); *Education*
- Roni Ellen Moore, Gahanna; B.S. (Miami University); *Physical Education*
- Iris Rozzelle Morris, Galloway; B.S.Ed.; *Education*
- Duane Moser, Pryor, Okla.; B.S. (San Diego State University); *Accounting*
- Catherine Mountain, Sandersville, Ga.; B.S. (Fort Valley State College); *Education*
- Janet Christie Muhleman, Bellbrook; B.S.Ind.Des.; *Industrial Design*
- Lioba Multer, Kranzberg, Germany; Certificate of the Zwischenprüfung (Universität Augsburg); *German*
- Molly O'Donnell Murphy, Columbus; B.S. (Saint Mary's College); *Education*
- Mary Weidner Muryn, Columbus; B.S. (Miami University); *Education*
- Donna C. Musolino, Youngstown; B.S. (Youngstown State University); *Education*
- Demetrios J. Neely, Clover, S. C.; B.A. (Johnson C. Smith University); *Black Studies*
- Ellen Karleen Neff, Coshocton; B.S.Ed.; *Education*
- Donna Cooper Nesser, Columbus; B.A. (Ohio Dominican College); *Art*
- Anne Hess Neville, Albany, N. Y.; B.A. (College of Saint Rose); *Journalism*
- Joel Ashmore Nevis, Gainesville, Fla.; B.A. (University of Florida); *Linguistics*
- Norma Zorn Newell, Portland, Ind.; B.S.; *Education*
- Ngoc-Diep Thi Nguyen, Mount Hope, W. Va.; B.Ed. (West Virginia University); *Romance Languages and Literatures*
- Julie Ann Nishimura, Kettering; B.S.; *Public Administration*
- Lorraine Marie Noernberg, Cleveland; B.A.; *Journalism*
- Kathy Lynn Norviel, Caldwell; B.S. (Oklahoma Christian College); *Education*
- Amy Louise Nowjack, Columbus; B.S.Ed.; *Education*
- Ifeoma Azuka Nwankwo, Lagos, Nigeria; B.S. (San Diego State University); M.A.; *Public Administration*
- Avanelle B. Oberlin, Marysville; B.A. (Wittenberg University); *Education*
- Dana Sue Obermiller, Dover; B.S.;
- Mary Lou O'Connor, Brisbane, Australia; B.Ed. (Kelvin Grove College); *Physical Education (Health Education)*
- Timothy James O'Donnell, Mansfield; B.S.; *Education*
- Colleen Sue Oelker, Urbana; B.A.; *Communication*
- John Timothy O'Malley, South Bend, Ind.; B.A. (Indiana University); *Physical Education*
- Evelyn Oriedo, Nairobi, Kenya; B.S.H.E.; *Black Studies*
- John William Orr, Whitehall; B.S. (Otterbein College); *Education*
- Vernon Russell Padgett, Long Beach, Calif.; B.A. (California State College, San Bernardino); M.A. (California State University, Long Beach); *Psychology*
- Jean Diane Paglialunga, Lafferty; B.A. (Bethany College); *Journalism*
- Mark Philip Parillo, Girard; B.A. (Notre Dame University); *History*
- John Charles Park, Mt. Victory; B.A. (Anderson College); *Education*
- Barbara Friedman Peabody, Jamestown, N. Y.; B.S. (Kent State University); *Education*
- Kenneth Wright Peabody, Akron; B.A. (Kent State University); *Linguistics*
- Louise Flower Pence, Columbus; B.A. (Muskingum College); *Education*
- Joyce Ann Petrek, Hubbard; B.S.Ed.; *Education*
- Fotina Peter Petrou, Cincinnati; B.A. (Emory University); *Classics*
- Joseph Kirwin Pettigrew, Charleston, W. Va.; A.B. (Ohio University); *Linguistics*
- Judith Rosa Pezaro, Columbus; B.A. (Auckland University); *Education*
- Sharon Hudock Pierce, Cleveland; B.S.Ed.; *Education*
- Gregory James Pike, Cincinnati; B.S. (University of Cincinnati); *Education*
- Jan Marie Pitre-Dixon, Scottsdale, Ariz.; B.S.Ed. (University of Arizona); *Education*
- Deborah Lee Poling, Norwalk; B.S.Ed. (Ohio University); *Education*
- Mary Jo Poulson, Bellville; B.M.E. (Baldwin-Wallace College); *Music*
- Brenda Sue Powell, Mansfield; B.S.Ed.; *Education*
- Narong Prachadetsuwat, Chiang Mai, Thailand; B.A.Ed. (Chiang Mai University); *Education*
- Leah Jane Pratt, Columbus; B.S.Ed. (Miami University); *Education*
- Kathleen Hanes Prescott, Columbus; B.S.Ed.; *Education*
- Cynthia Ray Putschat, Columbus; B.A. (Brandeis University); *Psychology*
- Nada K. Quickel, Steubenville; B.S.; *Education*
- Deborah Eleanor Reed, Chicago, Ill.; B.S. (Wilberforce University); *Education*
- Martin A. Rice, Columbus; B.A. (Trenton State College); *Philosophy*
- Margaret Mitchell Richards, Columbus; B.A. (Ohio Wesleyan University); *Education*
- Robert William Richwine, Jr., Columbus; B.A.; *Journalism*
- Bonnie Black Ridener, Columbus; B.A. (Capital University); *Education*
- Lawrence Charles Riehl, Marietta; B.S. (West Virginia State College); *Education*
- Thomas C. Robbins, Worthington; B.S.Ed.; *Education*
- James Keith Roberts, Pascagoula, Miss.; B.S. (University of South Alabama); M.S. (University of Southern Mississippi); *Public Administration*
- Lawrence Stephen Roberts, Columbus; B.S. (Kent State University); *Journalism*

- Susan S. Roberts, Columbus; B.S. (Miami University); *Education*
- Jeffrey Lee Robertson, Centerburg; B.S.Ed. (Bowling Green State University); *Physical Education*
- Charlotte E. Roe, Newark; B.A. (University of Colorado); *Political Science*
- Mary Jane Roscoe, Columbus; B.S.Ed.; *Education*
- Diane Beverly Roth, Hannibal; B.S.; *Education*
- Janis Tara Rotunno, Youngstown; B.S. (Bowling Green State University); *Education*
- Diane Ames Russell, Delaware; B.A. (Ohio Wesleyan University); *Education*
- Matthew James Sander, Columbus; B.A. (Capital University); *Education*
- Diana Deam Sanders, Columbus; B.S.Ed.; *Education*
- Lenora Lee Sanders, Charlotte, N. C.; B.S. (Barber-Scotia College); *Education*
- Mertice Pertronia Sanders, Cheraw, S. C.; B.A. (Livingstone College); *Education*
- Michelle Denise Saunders, Chesapeake, Va.; B.A. (Norfolk State University); *Journalism*
- Mildred Hayford Savard, Lancaster, Pa.; A.B. (Chestnut Hill College); *History*
- Steven Michael Scarpitti, Columbus; B.S.Ed.; *Education*
- Russell David Schaedlich, Mentor; B.A. (Miami University); M.C.R.P.; *Public Administration*
- Paul Dale Schkolnik, Lyndhurst; B.A. (Carnegie-Mellon University); *Psychology*
- Deborah Dodge Schroeder, Lima; B.S. (Wittenberg University); *Education*
- Debra Lynn Schumann, Granville; B.S. (State University College); *Education*
- Joyce Pinke Schurtz, Columbus; B.S.Ed.; *Sociology*
- Richard Lee Schuster, Mt. Vernon; B.A., B.S. (Eastern Nazarene College); M.S. (Simmons College); *Education*
- Elliot Scott Schwartz, Philadelphia, Pa.; B.A. (Franklin and Marshall College); *Psychology*
- Deborah Gantos Schwarz, South Euclid; B.A. (Marietta College); *Education*
- Virginia Mae Scott, St. Louis, Mo.; B.A.E. (Arizona State University); *Education*
- Rhonda Lee Searles, West Jefferson; B.S.Ed.; *Education*
- Jane Susan Seigendall, Allentown, Pa.; B.A. (East Stroudsburg State College); *Journalism*
- Jean Karen Selfe, Columbus; B.S.Ed. (Ohio University); *Education*
- Anna Fox Sertell, Mansfield; B.S.; *Education*
- Susan Spencer Sevit, Lima; B.S.; *Education*
- Carla Barkes Shankle, Grove City; B.S.Ed.; *Education*
- Dini Fisher Shaw, Worthington; B.S. (Otterbein College); *Education*
- Regina Annette Shepard, Chesapeake, Va.; B.S. (Norfolk State College); *Education*
- Catherine Ann Sheppard, Dayton; B.A. (Ohio University); *Education*
- Virginia Gail Sherer, Columbus; B.S.Ed.; *Education*
- Margaret R. Sherwood, Columbus; B.A. (Elmira College); *Education*
- Diane Foltz Shind, Marion; B.S.Ed.; *Education*
- Tina Louise Siddle, Columbus; B.S.; *Education*
- Gretchen Lee Siferd, Wapakoneta; B.A. (Adrian College); *Education*
- William Russell Silliman, Columbus; B.A. (Wittenberg University); M.S.W.; *Public Administration*
- Bonnie Sue Singer, Columbus; B.S.; *Education*
- Barbara Ann Sinsabaugh, Columbus; B.A., B.M. (Oberlin College); *Education*
- Brian W. Sittler, Canal Winchester; B.S. (Muskingum College); *Education*
- Ralph John Slavik, Cleveland; B.S.Ed.; *Education*
- Creta Marlene Smith, Columbus; B.S.Ed.; *Education*
- Teresa Anne Smoak, Columbus; B.S.; *Education*
- Mary Emma Snyder, Whitehall; B.S.Ed.; *Education*
- Kevin Francis Southard, Scranton, Pa.; B.A. (The Pennsylvania State University); *Physical Education*
- Elaine D. Spayde, Columbus; B.S. (Ohio University); *Sociology*
- Dorinda June Spearman, Columbus; B.S.Ed. (Ohio University); *Education*
- Daniel L. Spears, Delaware; B.S. (Ohio University); *Education*
- Susan Belle Spero, Columbus; B.S.H.E.; *Photography and Cinema*
- Pamela June Spring, Coshocton; B.S. (Ashland College); *Physical Education*
- Ronnie Eugene Staley, West Palm Beach, Fla.; B.A. (Bethune Cookman College); *Music*
- Linda Diane Stamer, Virginia Beach, Va.; B.A. (University of Richmond); *Journalism*
- Norma Elaine Steele, Pittsburgh, Pa.; B.S.Journ. (Bowling Green State University); *Journalism*
- Virginia Horn Stelk, Gambier; B.A. (Bethany College); *Education*
- Paula Ann Stenger, Delaware; B.S.Ed. (Ohio University); *Education*
- Martha Jane Stevens, Columbus; B.S. (Bob Jones University); *Education*
- Glenda Stockdale, Talladega, Ala.; B.A. (Talladega College); *Education*
- Debora Kathryn Strait, Gahanna; B.S.; *Education*
- Diane Sarah Straus, Verona, N. J.; A.B. (Dartmouth College); *Psychology*
- Evette Evelyn Strothers, New York, N. Y.; B.A. (Morgan State University); *Communication*
- Norma Jean Stump, Marion; B.S.Ed. (Bowling Green State University); *Education*
- Nancy Lee Swartz, Columbus; B.A.; *Education*
- Mark Bennett Tappan, Wayne, Pa.; B.A. (Oberlin College); *Education*
- Deborah Marie Telfer, Hubbard; B.S.; *Education*
- Tamela Sue Thompson, Columbus; B.S.Ed. (Miami University); *Communication*
- Ronald William Thomson, Euclid; B.S. (Cleveland State University); *Physical Education*
- Barbara Ann Kelly Tizzano, Delaware; B.A.; *Public Administration*
- R. Elaine Todaro, Bloomington, Ill.; B.S. (Illinois State University); *Physical Education*
- Sandra L. Todd, East Palestine; B.S. (Kent State University); *Education*
- Joseph Carl Trabucco, Everett, Mass.; B.S. (University of Massachusetts—Amherst); *Psychology*
- Nancy Lynn Trovich, Mansfield; B.A. (College of William and Mary in Virginia); *Journalism*
- LeRoy Valencio Trotman, St. Thomas, Virgin Islands; B.S.Mus.Ed. (Central State University); *Music*
- Marilyn Beachy Troyer, Plain City; B.S.; *Education*
- Patricia Eileen Truex, Circleville; B.S.Ed.; *Education*
- Susan Catherine Tyler, Chesterland; B.F.A.; *History of Art*
- Tennie S. Tyler, Monticello, Ark.; B.S. (Agricultural, Mechanical and Normal College); *Education*
- Marilyn Joan Vance, Marysville; B.M.E.; *Music*
- Rodney Thaddeus Vest, Reynoldsburg; B.A. (Marshall University); *Education*
- Eugene Allan Visnic, Columbus; B.S.Ed.; *Education*

- Shirley B. VonderEmbse, Mt. Gilead; B.A. (College of Saint Francis); *Education*
- Gayle Robert Voegt, Columbus; B.A. (Calvin College); *Education*
- Maryanne Ryno Vrabel, Columbus; B.S.Ed. (Bowling Green State University); *Education*
- Steven Bradley Vrooman, Springfield; B.M. (University of Cincinnati); *Music*
- Judith Ellen Waggoner, Columbus; A.B. (Ohio University); *Education*
- Linda D. Wakefield Shultis, Oswego, N. Y.; B.S. (State University of New York); *Business Administration*
- Patricia Sue Wallace, Mansfield; B.S.; *Education*
- Rex Ervin Wallace, North Platte, Nebr.; B.S.Ed. (University of Nebraska); *Linguistics*
- Theodore Joseph Wallace, Columbus; B.A. (Ohio Northern University); *Education*
- Deloris G. Walters, Huntsville, Ala.; B.S. (Alabama Agricultural and Mechanical University); *Education*
- Dorothy Katherine Wamsley, Circleville; A.B. (Ohio University); *Education*
- Shu-Chin Wang, Taiwan, R.O.C.; B.S., M.A. (National Taiwan University); *Economics*
- Claire Rose Watt, Lima; B.A. (Mary Manse College); *Education*
- Edward George Watzel, Sandusky; B.A. Journ.; *Journalism*
- David Allen Webster, Marion; B.S.Ed.; *Education*
- Deborah Dee Wells, Newark; B.S.Ed.; *Education*
- Ann Louise Welsh, Eaton; B.S.; *Education*
- Barbara Ralston Werum, Columbus; B.A. (University of Massachusetts); *Political Science*
- Thelma Denise West, Montezuma, Ga.; B.S. (Georgia Southwestern College); *Education*
- Gail Jones Wetterauer, Worthington; B.S.; *Education*
- Mara Lea Wheeler, Worthington; B.A. (Oberlin College); *Education*
- Joan Ann Whitaker, Worthington; B.S. (Ohio University); *Education*
- Joan Culbertson White, Dublin; B.S.Ed.; *Education*
- William Rutherford White, Jr., Allentown, Pa.; B.A. (Lehigh University); *Journalism*
- Ann Elizabeth Whitmore, Mt. Pleasant, Mich.; B.S. (Beloit College); *Education*
- Bernard Perin Wilburn, Laon, France; B.A.; *English*
- Beverly Armeda Wilform, York, S. C.; B.A. (Johnson C. Smith University); *Education*
- Esther Jane Williams, Columbus; B.S.; *Education*
- Dale Wayne Wimberley, Columbus; B.A. (Louisiana Tech University); *Sociology*
- Keith Richard Winter, Columbus; B.A. (Adrian College); *Physical Education*
- Mary Elaine Winters, Tucson, Ariz.; B.A. (University of Arizona); *English*
- Nancy Kathryn Winters, Columbus; B.A. (Wittenberg University); *Education*
- Patti Rose Withers, Auburn, N. Y.; B.A. (State University of New York—Binghamton); *Black Studies*
- Gail Ann Wright, Gahanna; B.S.Ed. (Bowling Green State University); *Education*
- Carol W. Yates, Royal Oak, Mich.; B.A. (Michigan State University); *Education*
- Theresa Ann Zeyen, Columbus; B.S.; *Education*
- Michael Francis Zofcin, Brookpark; B.A.; *Communication*
- Master of Business Administration**
- LiLien Li-in Ai, Detroit, Mich.; B.Com. (National Cheng-Chi University); *Business Administration*
- Lisa Gail Beyer, Circleville; B.S. (Trinity University); *Business Administration*
- Joyce Konst Cass, Columbus; B.S.B.A. (University of Dayton); *Business Administration*
- Clarence Stephen Cipkala, Youngstown; B.S.; *Business Administration*
- Charles Lambert Cramer, Jr., Dayton; B.S. (Wright State University); *Business Administration*
- Joseph James Daniel, Columbus; B.S.M.E.; *Business Administration*
- Regina Marie Demartini, Columbus; B.F.A. (Wittenberg University); *Business Administration*
- Patricia Veasey D'Souza, Norwood, Ga.; B.S. (Fort Valley State College); M.A.; *Business Administration*
- Hussein Mohamed El-Kazaz, Alexandria, Egypt; B.A., M.B.A. (Alexandria University); *Business Administration*
- Mark Paul Escaja, Youngstown; B.A. (Youngstown State University); *Business Administration*
- David Rex Gambrel, Hicksville; B.S.; *Business Administration*
- David Scott Gerber, New Holland; B.S.; *Business Administration*
- Joseph Gordon Grabel, Alliance; B.B.A. (Kent State University); *Business Administration*
- Debra Joan Green, Denver, Colo.; B.A.; *Business Administration*
- James Robert Hackbarth, Columbus; B.S.B.A.; *Business Administration*
- Steven Douglas Hickman, Columbus; B.S.; *Business Administration*
- Lizbeth Mills Ingram, Mansfield; B.A. (Wittenberg University); *Business Administration*
- George Kaitza, Jr., Columbus; B.A. (Kenyon College); *Business Administration*
- Sue Ellen King, Westerville; B.S.N.; *Business Administration*
- Austin Klavan, Columbus; B.S.B.A.; *Business Administration*
- Jeffrey Alan Lamparter, Broadview Heights; B.S. (Purdue University); *Business Administration*
- Brad E. Livingston, Union City; B.S. (Bowling Green State University); *Business Administration*
- Spero Angelo Maginas, Columbus; B.A. (Ohio Wesleyan University); *Business Administration*
- Kim R. McClain, Cleveland; B.S., M.S. (University of Notre Dame); *Business Administration*
- Cynthia Ratka, Cleveland; B.A. (Denison University); *Business Administration*
- Steven George Rolls, Montgomery; B.S. (Miami University); *Business Administration*
- Kurt R. Scheel, Reynoldsburg; B.Sc. (Miami University); *Business Administration*
- Jeannine Theresa Schwab, Covington, Ky.; A.B. (Thomas More College); M.C.S. (University of Mississippi); *Business Administration*
- Randall K. Smith, Lima; B.S. (Miami University); *Business Administration*
- Robert Cole Smythe, Columbus; B.A.; *Business Administration*
- Kent Lee Stephens, Columbus; B.S. (Indiana Institute of Technology); *Business Administration*
- James L. Taylor, Mansfield; B.S. (Bowling Green State University); *Business Administration*
- Tamela Kay Thomas, Massillon; B.S.; *Business Administration*
- John Michael Toth, Columbus; B.S. (The University of Tennessee); *Business Administration*
- John Robert Turgeon, Akron; B.S. (University of Akron); *Business Administration*

William Wallace Vogelgesang, Madison; B.S.; *Business Administration*

Jay Louis Young, Lawrenceburg, Ind.; B.S. (Purdue University); *Business Administration*

Master of City and Regional Planning

Gregory Mark Carr, Columbus; B.A. (Providence College); *City and Regional Planning*

Veena Kumari Khanna, New Delhi, India; B.A., M.A. (University of Delhi); *City and Regional Planning*

Stephen Gerard Leeper, Pittsburgh, Pa.; B.A. (Ohio University); *City and Regional Planning*

Master of Fine Arts

Dorothy Hazen Baker, Scottsville, N. Y.; B.F.A. (Eastern Michigan University); *Art*

Catherine Ann Bell, Cleveland Heights; B.F.A. (Bowling Green State University); *Art*

Melissa Anne Bohannon, Eureka, Calif.; B.A. (Humboldt State University); *Art*

Jerry L. Cutler, Milladore, Wis.; B.S. (University of Wisconsin); M.A. (Saint Cloud State University); *Art*

Bradley Clyde Keech, Columbus; B.A.; *Art*

Stephen Glen Nesser, Columbus; B.A.; *Art*

Master of Health Administration

Cathie Brodie Cline, Columbus; B.S.N.; *Allied Medical Professions*

Brian Michael Crimmins, Dayton; B.S.; *Allied Medical Professions*

Scott Evans Lawrence, Columbus; B.A. (Miami University); *Allied Medical Professions*

Wayne Jeffrey Miller, Granada Hills, Calif.; A.B. (Stanford University); *Allied Medical Professions*

Mary Elaine Schwarz, Erie, Pa.; B.S.N. (University of Pittsburgh); *Allied Medical Professions*

David Dean Slabodnick, St. Marys; B.S.Bus.Adm.; *Allied Medical Professions*

Dennis Eugene Townsend, Salt Lake City, Ut.; B.A. (University of Utah); *Allied Medical Professions*

Robert Mark Wolin, Hewlett, N. Y.; B.A. (University of Maryland); M.B.A.; *Allied Medical Professions*

Master of Humanities

Francia Ellen Rosenzweig, Columbus; B.A.; *Humanities*

Varaporn Singkivibul, Thailand; B.A. (Chulalongkorn University); *Humanities*

Master of Labor and Human Resources

John Lee Barton, Asheville, N. C.; B.S. (North Carolina Agricultural and Technical State University); *Labor and Human Resources*

Marilyn Joy Brenner, Youngstown; B.A.; *Labor and Human Resources*

Jack Anthony Monda, Ashtabula; B.S.Ed.; *Labor and Human Resources*

Dorene Marie Morrow, Pittsburgh, Pa.; B.B.A. (Pennsylvania State University); *Labor and Human Resources*

Master of Music

Jack Forrest Boss, III, North Olmsted; B.Mus.; *Music*

Diane Kay Earle, Canton; B.Mus. (University of Cincinnati); *Music*

Ann Elisa Haertling, Columbus; B.Mus.; *Music*

Richard P. Holmquist, Jr., Brielle, N. J.; B.Mus. (University of Delaware); M.Mus. (New England Conservatory); *Music*

Jean W. Keeton, Dayton; B.Mus.; (Wittenberg University); *Music*

Julie Loren-Wells, Vienna, W.Va.; B.Mus.; *Music*

Master of Public Administration

Karen Anne Bride, Cleveland; B.A. (College of Wooster); *Public Administration*

John Edward Fralick, Columbus; B.A.; *Public Administration*

Dean Leroy Myton, Columbia Station; B.A. (Capital University); *Public Administration*

Master of Science

Alex Kwasi Acheampong, Kumasi, Ghana; B.S. (Manchester College); *Agricultural Economics and Rural Sociology*

Mehmet Emin Adigüzel, Kars, Turkey; B.S., M.S. (Middle East Technical University); *Engineering Mechanics*

Rana Ahmadi, Tehran, Iran; M.Arch. (University of Tehran); M.C.R.P.; *Civil Engineering*

Sima Ahmadi-Marandi, Mansfield; B.S.C.I.S.; *Industrial and Systems Engineering*

Linda Michele Alston, Savannah, Ga.; B.S. (Morris Brown College); *Home Economics*

Andrés Alvarez, Rio Piedras, Puerto Rico; B.S.E.E. (University of Puerto Rico); *Electrical Engineering*

Arthur Paul Arnold, Fleming; B.S.; *Agricultural Education*

Jill Caren Arnson, Columbus; B.S. (American University); *Pathology*

Gregory Christian Azzolin, Columbus; B.S.; *Veterinary Physiology and Pharmacology*

Mary Kathryn Baer, Columbus; B.S. (Juniata College); *Computer and Information Science*

Richard Michael Bednarski, Columbus; B.S.Agr., D.V.M.; *Veterinary Clinical Sciences*

Robert John Belloto, Struthers; B.S.; *Pharmacy*

Carol Ann Bethel, Urbana; B.S.; *Home Economics*

Eric William Biefeld, Newark; B.S.; *Computer and Information Science*

Roxanne Leslie Bittman, Oakland, Calif.; B.A. (University of California, Santa Barbara); *Botany*

Thomas Andrew Bodnovich, Youngstown; B.S. (Youngstown State University); *Computer and Information Science*

Stephen Lindsey Boyles, Caldwell; B.S. (Virginia Polytechnic Institute and State University); *Animal Science*

Cindy Kay Brenneman, Lexington; B.S.H.E.; *Home Economics*

Celia Marie Wood Brickell, Mountain View, Okla.; B.S. (Oklahoma State University); *Agronomy*

Yuval Bromberg, Tel-Aviv, Israel; B.S. (University of Neger); *Welding Engineering*

James Lee Buchwalter, Canal Winchester; B.S.Chem.Eng.; *Chemical Engineering*

Osman Merih Buyukdura, Ankara, Turkey; B.S. (Middle East Technical University); *Electrical Engineering*

Hussein Ali Chamseddine, Lebanon; B.S. (University of Mississippi); *Electrical Engineering*

Karen Hing-Sheung Chan, Hong Kong; B.S. (Virginia Polytechnic Institute and State University); *Electrical Engineering*

- David Dah-Wei Chang, Taiwan, R.O.C.; B.S.E. (National Cheng-Kung University); *Chemical Engineering*
- Hong-Tao Paul Chang, Taiwan, R.O.C.; B.S. (National Taiwan University); *Electrical Engineering*
- I-Hsing Chang, Taipei, Taiwan, R.O.C.; B.S. (National Taiwan University); *Mathematics*
- Ko-Min Chang, Taipei, Taiwan, R.O.C.; B.S. (National Chiao-Tung University); *Electrical Engineering*
- Min Drin Chang, Taiwan, R.O.C.; B.S.E. (National Cheng-Kung University); *Electrical Engineering*
- Yu-An Chang, Taipei, Taiwan, R.O.C.; B.Sc. (National Taiwan University); *Chemistry*
- Ching-Yih Chen, Taipei, Taiwan, R.O.C.; B.S. (National Taiwan University); *Civil Engineering*
- Chung-Ho Chen, Chungli, Taiwan, R.O.C.; B.S. (National Cheng-Kung University); *Welding Engineering*
- Bonnie Sue Chenevey, Columbus; B.S.N. (Ohio University); *Nursing*
- Soo-Woong Choi, Kwang San-Kun, Korea; B.E., M.E. (Han Yang University); *Welding Engineering*
- Robert Wayne Conley, Jr., Tijeras, N. Mex.; B.S., M.A. (University of New Mexico); *Computer and Information Science*
- Victor McCabe Cooley, Gallon; B.S.M.E.; *Mechanical Engineering*
- Rebecca Lea Crafton, Centerville; B.S.N.; *Nursing*
- Robert Sheffer Daniel, Athens; B.A. (Kenyon College); *Computer and Information Science*
- Robert Michael Daniels, Zanesville; B.S.; *Agricultural Education*
- Rebecca Dinsmore Davidson, Tipp City; B.A. (Wright State University); *Allied Medical Professions*
- Julia Ann DeLuca, Greenwich, Conn.; B.S. (Purdue University); *Food Science and Nutrition*
- Shree Srikrishna Dhawale, India; B.S. (Nagpur University); M.S. (University of Saugor); *Genetics*
- Shrikrishna W. Dhawale, India; B.S., M.S., Ph.D. (University of Bombay); *Metallurgical Engineering*
- Pankaj Arun Doshi, Bombay, India; B.Tech. (Indian Institute of Technology); *Civil Engineering*
- Michael Shelton Dougan, Upper Arlington; B.S.; *Agricultural Economics and Rural Sociology*
- Andrew P. Drake, Cleveland Heights; B.S. (Miami University); *Nuclear Engineering*
- Douglas Dean Dyer, Belle Center; B.S.; *Agricultural Education*
- Paul Robert Edgar, Cincinnati; B.S. (University of Cincinnati); *Physiological Chemistry*
- Roberta Young Edgin, Logan; B.S.N.; *Nursing*
- Karen Kreaeger Eggiman, New Concord; B.S.; *Agricultural Education*
- John Philip Engel, Ridgewood, N. J.; B.S. (University of Notre Dame); *Civil Engineering*
- Jeffrey Allen Erf, Columbus; *Horticulture*
- Linda LaMonica Everly, Zanesville; B.S.; *Allied Medical Professions*
- Michael Alan Farris, Mt. Gilead; B.S. (Miami University); *Botany*
- Albert Benjamin Fisher, III, Franklin Lakes, N. J.; B.A. (Fairfield University); B.A.; *Geology and Mineralogy*
- Julia Anne Fitzpatrick, Bellefontaine; B.S.Agr.; *Agricultural Education*
- Carroll Douglas Forcino, Middletown, Pa.; B.A. (Shippensburg State College); *Physiology*
- Kennard Chandler Ford, Twinsburg; B.S.; *Zoology*
- Nicholas E. Frangos, Polihnitos, Lesvos, Greece; B.S. (University of Athens); *Mathematics*
- Clifford Dennis Garoupa, Fresno, Calif.; B.A. (Fresno State College); *Agricultural Economics and Rural Sociology*
- Dail William Gracy, New Carlisle; B.S.Agr.; *Agricultural Education*
- Kenneth Earl Green, Marysville; B.A. (Eastern Washington State College); *Agricultural Economics and Rural Sociology*
- Robert John Gueth, Greenville; B.E.E. (University of Dayton); *Electrical Engineering*
- Larry Michael Gundy, Westlake; B.S. (Cleveland State University); *Nuclear Engineering*
- Deborah Anne Hague, Steubenville; B.A.; *Nursing*
- Soon Kap Hahn, Korea; B.S., B.S.Agr. (Seoul National University); *Chemistry*
- Dhananjay Hajela, India; B.S., M.S.; *Computer and Information Science*
- Dennis William Hall, Marysville; *Agricultural Education*
- Paul Remy Hanegreefs, Antwerpen, Belgium; B.Agr.Eng.Sci. (State University of Ghent); *Agricultural Engineering*
- Doyle Edwin Hartman, Elida; B.S.C.E.; *Civil Engineering*
- Joseph H. Havens, Midland, Mich.; B.S. (Michigan Technological University); *Electrical Engineering*
- Cheryl Lynn Haynes, Lancaster; B.S. (Ohio University); *Home Economics*
- Jane Kurrus Haynes, Worthington; B.S. (University of Illinois); *Natural Resources*
- Xin He, Peking, P.R.C.; Diploma (Academia Sinica); *Mathematics*
- Jeffrey George Holmquist, Metairie, La.; B.S. (Louisiana State University); *Zoology*
- Fareed Masroor Hossain, Karachi, Pakistan; B.E. (N.E.D. University of Engineering and Technology); *Electrical Engineering*
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- Bing-Rong Peter Hsieh, Taiwan, R.O.C.; B.S. (National Tsing-Hua University); *Chemistry*
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- Md. Noah Bin Jamal, Malaysia; B.S. (Louisiana State University); *Electrical Engineering*
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- Constance Ann Jennings, Minneapolis, Minn.; B.S. (Bob Jones University); *Physiological Chemistry*
- Barry Leigh Johnson, Belvidere, Ill.; B.S. (University of Wisconsin, Stevens Point); *Zoology*
- Terrance William Jones, Malone, N. Y.; B.S.C.E., B.S.M.E. (Clarkson College of Technology); *Civil Engineering*
- Lauren Jane Jordan, LaRue; B.S. (Bowling Green State University); *Home Economics*
- Andris Janis Kaneps, Minneapolis, Minn.; B.S., D.V.M. (University of Minnesota); *Veterinary Clinical Sciences*
- Gary Edward Katz, Euclid; B.A. (Miami University); *Food Science and Nutrition*
- Brian Michael Kent, Yellow Springs; B.E.E. (Michigan State University); *Electrical Engineering*
- Rohit Khullar, Nagpur, India; B.Civil Eng. (Viswivaraya Regional College); *Civil Engineering*
- Irving David Kirsch, East Brunswick, N. J.; B.S. (George Washington University); *Geology and Mineralogy*
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- (Albany College of Pharmacy); *Pharmacy*
David Albert Kvanec, Columbus; B.S.
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National University); *Civil Engineering*
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University); *Statistics*
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B.S.Met.Eng.; *Metallurgical Engineering*
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B.S. (National Central University);
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Medicine); *Veterinary Clinical Sciences*
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B.A. (Oberlin College); *Preventive
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Rico; B.S.E.E. (University of Puerto
Rico); *Electrical Engineering*
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Allied Medical Professions
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B.S.; *Natural Resources*
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B.Tech. (Indian Institute of Technology);
Diploma (National Institute for Training
in Industrial Engineering); *Industrial and
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B.Sc. (University of Gorathpur); M.Sc.
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B.Stat. (Indian Statistical Institute);
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Home Economics
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Yugoslavia; B.S.T.E. (University of
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Allied Medical Professions
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(The University of Aston—Birmingham);
Electrical Engineering
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B.S.E. (Seoul National University); M.S.
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B.S. (Purdue University); *Dairy Science*
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B.S. (Kitasato University); *Pharmacy*
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B.S. (Cornell University); *Zoology*
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(University of Cincinnati); *Electrical
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(State University of New York—
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Science*

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- Okon William Udo, Uyo, Nigeria; B.A. (West Virginia State College); M.C.P.; *Natural Resources*
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- Veerunna Chowdary Yadagani, Palathodu, India; B.E. (Andhra University); *Biomedical Engineering*
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- Wirat Yimcharoen, Bangkok, Thailand; B.Eng. (Survey School); *Geodetic Science*
- Joyce Cannon Yoakum, Upper Arlington; B.S. (Memphis State University); *Home Economics*
- Sung Keun Yoon, Seoul, Korea; B.S.E. (Seoul National University); *Metallurgical Engineering*
- Lynn Robert Ziegler, Columbus; B.A. (Saint Olaf College); M.S. (Northern Illinois University); Ph.D. (University of Michigan); *Computer and Information Science*

Master of Social Work

Geoffrey Nathan Brown, Columbus; A.B. (University of Miami); *Social Work*

Certificate of Specialist in Educational Administration

Shirley Adams Behnke, Galloway; B.A., M.A.; *Education*

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College of Biological Sciences

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John Christopher Jeffrey, Bellefontaine
Mark Anthony Mastroianni, Alliance
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Marcia Ann Meyer, Cincinnati
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Jana Lee Shoemaker, Columbus
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Kari Lynn Karr, Coshocton
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Stephen Michael Martino, Dayton
Jean Elizabeth McCall, Worthington
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Dean: Patrick R. Dugan

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Michael Dean Bruno, Hamilton
Russell Lewis Burke, Toledo
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Robert Charles Foti, Columbus
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Jonathon Scott Bubby, Brecksville
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Sarah Ellen Hughes, Columbus
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James Walter Johnson, III, Cleveland
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Helga V. Kovacs, Mansfield
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Colin M. Talcroft, Dayton
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Dean: Colin B. B. Bull

Bachelor of Arts

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Darmstadt, Federal Republic of Germany
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Helen Marie Digilio, Lima
Trinka Ranay Jewell, Jackson
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Craig Jay Smith, Utica
Joseph John Verdone, Broadview Heights
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Bachelor of Science

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Pamela Sue Barnett, Kettering
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Alan Brett Cring, Columbus
Robert Matthew Feeney, Columbus
Keith Everett Jackson, Tucson, Ariz.
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Mae Eliza Mills, Columbus
Andrew Frederick Moulton, Columbus
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Kim A. Randall, Shelby
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Lynda Sue Redd, Columbus
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Kenneth Emmanuel Upshaw,
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Jay Van Arsdall, Waynesboro, Va.
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Roderick Fritz Wittich, Columbus
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 Scott Alan Hill, Strongsville
 Cheryl Ann Horn, Pleasantville
 Nancy Ann Horn, Akron
 Ellen Kay Kinchen, Bellefontaine
 David A. Lewis, Johnson City, Tenn.
 Peter Forbes Loscocco, Columbus
 William K. Makley, Columbus
 David Robert Matthews, Mansfield
 Sharon Lee Mielke, Strongsville
 Jean L. Mox, Columbus
 James M. Ozello, Garfield Heights
 Laurie Anne Patt, Cleveland Heights
 Denise Jane Presley, Westerville
 Christine Ann Ranft, Columbus
 Michael S. Ryan, Cleveland
 Suzan Diann Saurers, Columbus
 James Allen Sherman, Sidney
 Anne Louise Stankey, Perrysburg
 Mary Wilburn Tinsley, Lynchburg, Va.
 Sheila Suzanne Webb, Mason

College of Administrative Science

Dean: H. Justin Davidson

Bachelor of Science in Business Administration

Jeffrey Seth Aaron, East Meadow, N. Y.
 David Donn Alspach, Newark
 Raymond Allan Apfel, Troutwood
 Joann Eileen Appel, Youngstown
 Joyce Elizabeth Applegate, Upper Arlington
 Daniel Lester Baizel, Cleveland
 Douglas Allen Baker, Westerville
 Janet Lynn Baker, Carroll
 Karen Lorraine Baker, Newark
 Michael C. Ballard, Middlesboro, Ky.
 Randall Roy Bartelmay, Boardman
 Mark Allen Beckett, Columbus
 Ronald Lee Beery, Woodsfield
 Carla Jo Belot, Rayland
 Suzanne Marie Bergen, Cincinnati
 Charles Anthony Bergfeld, Delphos
 Helen Berhe, Columbus
 Van Blanchard, II, Coshocton
 Dale Everett Blic, Marion
 Thomas Lee Boss, Sidney
 Kay Nan Bowman, Columbus
 John Truman Brandt, Youngstown
 James Robert Brod, Worthington
 Charles Allen Brooks, Westerville
 Joseph Edward Brooks, Elmsford, N. Y.
 Stacy Alan Brovitz, Stamford, Conn.
 Ricky S. Buckingham, Marion
 James Edward Burk, Springfield
 Anette Marie Burrows, Middleburg Heights
 Drew Allen Cashmere, Columbus
 Carl Stephen Chandler, Columbus
 Leo James Chaplin, Rocky River
 John Nicholas Chilcote, Westerville
 Michael Robert Cieslak, Steubenville
 Kevin Patrick Coady, Columbus
 Karen A. Colvin, Columbus

Marie Ann Constantine, Cleveland
 Sharon Lynn Conte, Columbus
 Crista Carolyn Cooper, Columbus
 Cynthia L. Corll, Greenville, Pa.
 Jayn Louise Corral, Columbus
 Jeffrey William Covert, Worthington
 William Randall Cox, Springfield
 Franklin James Curtis, II, St. Clairsville
 Gretchen Rauch Cypher, Groveport
 Alan John Dagil, Amherst
 Catherine Marie Daniel, Columbus
 Jeffrey Scott Davies, Massillon
 Gayle McMillan Davis, Coldwater
 Susan Lynn Davis, Akron
 Mark Anthony Deem, Columbus
 David E. Driver, Columbus
 Doreen Bernice Duto, Reynoldsburg
 Mark Alan Dye, Columbus
 Richard Wayne Dye, Columbus
 Shelley Gaye Eckstein, Mansfield
 Martin Lawrence Ellerbrock, Leipsic
 Vicki Lynn Engram, Cleveland
 Anthony Joseph Eramo, Columbus
 David Bruce Fahrenholz, West Alexandria
 Mary Anne Fanale, Lancaster, Pa.
 Grant William Felmet, Wintersville
 Brian Thomas Feron, Medina
 Vincent Louis Fiorita, Dayton
 Janet Ann Forman, Brecksville
 Stephen Robert Freireich, University Heights
 Susan Amy Frey, Marysville
 Ronald Leigh Fritch, Prospect
 Peter Martin Fuhbrigge, Toledo
 Christopher John Gaertner, South Euclid
 Mario Gaitanos, Canton
 Janet Elizabeth Gallup, Van Wert
 John Griffith Gardner, Westerville
 Gregory Robert Garver, Middletown
 Dennis Stephen Gerber, Medina
 Lisa Ann Gialdini, Zanesville
 Robby Dean Gillespie, Galion
 Dave Patrick Gillock, North Royalton
 Randy Wayne Glatz, West Alexandria
 Phillip Joseph Gomez, Columbus
 John Pittman Gorske, Oberlin
 Michele J. Graham, Newark
 Alan Jay Groedel, Rye Town, N. Y.
 Joseph P. Habuda, III, Youngstown
 Gregory Lee Hall, Orrville
 David Leon Halpern, Cleveland
 Lisa Joy Halpert, Pepper Pike
 Michael William Harold, Alliance
 David Scott Hatton, Cleveland
 Rick J. Hatton, Reynoldsburg
 Mark Vawter Hedges, Columbus
 Mark Duane Herd, Marysville
 Susan Elaine Hesselting, Delphos
 Clay Thompson Hildebrandt, Columbus
 Kenneth Joseph Hinterschied, Columbus
 Kenneth James Holcomb, Columbus
 Barbara Eden Horbaly, Brecksville
 William Richard Huber, Columbus
 Mark Richard Hunter, Mansfield
 Cleve Ross Igoe, Vermilion
 Karen Rose Jackson, Winchester
 Deborah Ann Jedinak, Newark
 Laurie J. Johnson, Masury
 Raymond Taylor Johnson, Cleveland
 Robert Gaylord Johnson, Zanesville
 Reino Martti Jokinen, Helsinki, Finland
 James Jeffrey Kantzer, Marion
 Steven W. Kastenhuber, Salem
 Beth Anne Keitch, Dover
 Kent Baldwin Kershaw, Rockledge, N. J.
 Molly Elaine Kimball, Columbus

Timothy Lee Kinnison, Tipp City
 Margaret Diane Kirk, Westerville
 Brian Frederick Knabe, Newark
 Thomas Alan Korb, Lyndhurst
 Bart Douglas Krebs, Coshocton
 Thomas Edward Krizo, Akron
 Kenneth Joseph Kunkleman, Lima
 Theodore Christie Lambrinides, Cincinnati
 Frank Melvin Layman, Grove City
 Hooran Lee, Seoul, Korea
 Cathy S. Leonhardt, Shelby
 Bobbi Sue Levy, Chicago, Ill.
 Lawrence Mark Lieberman, Princeton, N. J.
 Roger Henry Liening, Columbus
 Robert Farrell Lockwood, Columbus
 Ryan James Lokken, Spring Valley
 Scott Robert Lowrie, Rocky River
 Chris William Ludwig, Columbus
 Roxann Victoria MacEwan, Cleveland Heights
 Gregory Douglas Martin, Gahanna
 John E. Martin, Cardington
 Joseph Gordon Mason, III, Ironton
 Brad Martin Mathias, New Philadelphia
 Jeffrey Robert McCaw, Cincinnati
 Mark Allan McClain, Marion
 Richard Withrow McGraw, Mansfield
 Betty Louise Meehling, Columbus
 Cristie Meige, Columbus
 Steven Charles Mellor, Columbus
 Murry Jay Mercier, Worthington
 Edward Joseph Mercker, Lafayette, Ind.
 Ronald Joel Michel, Columbus
 Sherr Ann Mikanovich, Euclid
 Stephen Arthur Miles, Warren
 Richard James Miller, Columbus
 Sandra Lynn Miller, Columbus
 Jay F. Minkin, Canton
 Stephen Garrett Minnich, Sylvania
 Jana Rose Miracle, Fairborn
 Suzanne Monett, Columbus
 Michael George Monter, Acton, Mass.
 Amanda Jane Moor, Columbus
 Tim Scott Morris, Cambridge
 Timothy James Murphy, Cuyahoga Falls
 Jane Lee Neptune, Wooster
 James Scott Niese, Marion
 Janet Marie Novotny, Euclid
 Ruth Ann Obermeyer, Huber Heights
 Debra Sue Oglesbee, Columbus
 Richard Dan Oltean, Broadview Heights
 Mark Alan Oswalt, Mansfield
 Michael Clark Overly, Dayton
 George Zane Pappas, Warren
 Roy Alan Peltomaa, West Jefferson
 Stephen Petrick, East Liverpool
 Diane Lynn Petti, Columbus
 Ellen Susanne Pfeifferle, Columbus
 Edwin Coy Phelps, Dayton
 Cheryl Elaine Phillips, Cincinnati
 Tim A. Pirtle, Worthington
 Ronald James Powell, Jr., Solon
 Kenneth Lewis Poyar, Rome
 William Randolph Radon, Woodsfield
 William Michael Rehl, III, Westerville
 Richard Robert Resatka, Warren
 John C. Reynolds, Shelby
 Melanie Annette Rice, St. Clairsville
 Bruce Hammer Rill, Dayton
 LaVerne Warren Ritter, Massillon
 Lisa Ann Rohrer, Seville
 Rhett Coning Rohrer, Brookville
 Dale Arnold Rolfes, Toledo

Sharon Depinet Rose, Perrysburg
 Philip Marc Rosengard, Canton
 Garth Wayne Rowbotham, Conneaut
 Susan Claire Rozsa, Dillonvale
 Paiboon Ruangpanyapoj,
 Bangkok, Thailand
 Carrie Sue Ruehl, Cincinnati
 Darryl Gene Ruggles, Fredericktown
 David E. Rupert, Columbus
 Bradley B. Russell, Bay Village
 Thomas Roy Russell, Logan
 Willie George Saddler, Bradford, Pa.
 Melinda Anne Salmans, Cambridge
 Timothy Richard Schilling, Columbus
 Edward C. Schmidt, Columbus
 Gregory Kem Schmiedebusch, Ottawa
 James C. Schmitt, Cincinnati
 Eugene Petteaway Schulken, Jr.,
 Phoenix, Ariz.

Michael Joseph Schwierman, Columbus
 Robert Allen Seekely, II, Cleveland Heights
 Debra Alta Shaffer, Prospect
 Mark David Shapiro, Wantagh, N. Y.
 Tammy Antonette Sheets, Portsmouth
 Jack William Shields, Cleveland
 Maria Singer, Gallipolis
 Clare Rebecca Sires, Shaker Heights
 Joseph Allen Smallley, Solon
 Carla Jane Smallwood, Columbus
 David Jay Smith, Lima
 Damon R. Snow, Marion
 Dorothy Sugg Snyder, Springfield
 Scott Alan Spaulding, Kirkersville
 Mitchell R. Stafman, Beachwood
 Stephanie Ann Stahl, Butler
 Michael Paul Stanko, Parma
 James O. Stevning, Newark
 Janis Lee Straub, Youngstown
 Judith L. Streifender,
 Warrensville Heights

George J. Swartz, Jr., Vandalia
 Robert Marvin Sybert, Lima
 Karen Sue Thomas, Marion
 John Kenneth Tipton, Columbus
 Jeffrey Joe Titus, Columbus
 Suzanne Trotter, Dover
 Jeffrey Lee Turner, Marion
 Linda Kay Ulery, Akron
 John Henry Vogel, Girard
 Raimund H. Volpone, Dayton
 Timothy Joseph Watson, Miamisburg
 Amber R. Weinhart, Akron
 Alexander H. Welker, Mt. Vernon
 Michael Joseph West, Beavercreek
 John Calvin White, Dayton
 Barbara Joan Williams, Columbus
 Richard Williams, Jr., Toledo
 Steven Jerome Williams, Columbus
 Michael Gregory Wilson,
 Winston-Salem, N. C.

Steven Scott Wilson, Montgomery, Ill.
 James Alex Wolfinger, Grove City
 Amy Lap-Kwan Wong,
 Kowloon, Hong Kong
 Theresa P. Woodward, Corning, N. Y.
 Christine Marie Wren, Lima
 Donald Joseph Yablonski, Jr., Rayland
 Wah Yee, Columbus
 Michael David Zell, Aberdeen, N. J.
 Susan Kay Zellers, Youngstown

Bachelor of Science in Labor and Human Resources

Scott Edward Baum, Akron
 Nancy Wack Cavanaugh, Canfield
 Steven Glen Clark, Jackson
 Charles Eckhart Gayler, II, Columbus
 Cynthia Haering, Powell
 David P. Hewitt, North Olmstead
 Lisa Lianne Schra, Fairborn
 Stephanie Jane Whitis, Cambridge
 Karen Sue Wilgus, West Mansfield
 Ronald Lee Zunk, Toledo

David Eugene Weiss, Ansonia
 Kathleen Louise Wheatley, Conneaut
 Thomas James Wilhelm, Reynoldsburg
 Carl Andrew Zaboly, Chagrin Falls
 George Michael Zavis, Rocky River

Bachelor of Science in Food Science

Jeffrey Alan Nichols, Findlay

Bachelor of Science in Food Technology

Robert William Wernke, Loveland

Bachelor of Science in Nutrition

John Robert Fortener, Kettering

School of Home Economics

Bachelor of Science in Home Economics

Sharon Lynn Agin, Beachwood
 Michelle Marie Brown, North Canton
 Patricia Sue Butler, Cincinnati
 Beth Ann Castetter, Terrace Park
 Marie Guglielmo Chihil, Columbus
 Barbara J. Conroy, Canfield
 Teresa Jane Copey, Wilmington
 Julianne Cryder, Columbus
 Susan Lynn Evans, Manchester
 Judy Ann Ferguson, Waverly
 Cynthia Allison Gardier, Columbus
 Melissa Marie Gatewood, Zanesville
 Joan Marie Gaudion, Dayton
 Renee F. Grimm, Ironton
 Hajjah Noorani Hamzah, Malaysia
 Karen Denise Haynes, Columbus
 Kathleen Mary Herr, Toledo
 Paula Kay Hodapp, Centerville
 Marilyn June Hosterman, Warren
 Joy B. Jacobs, York, Worthington
 Lisa Christine Kirk, Worthington
 Deborah O. McClary, Worthington
 Emily Dianne Means, Columbus
 Pamela M. Mizelle, Columbus
 Cindy Coody Moseman, Columbus
 Corinne Marie Moyer, Columbus
 Mary Joyce Mramor, Pittsburgh, Pa.
 Eileen G. Nierras, Mansfield
 Regan Loraine Renninger, Cincinnati
 Mary Roderick, Morehead City, N. C.
 Beth Schaeper, Washington C. H.
 Jill Schaeper, Washington C. H.
 Kim Symantha Shropshire, Springfield
 Frances Anne Slaman, Bay Village
 Velma Rae Spitzer, Jamestown
 Patricia Lynn Strickland, Dayton
 May Joy Tom, Columbus
 Jean Marie Veatch, Columbus
 Deborah Ann Wentz, McCutchenville
 Dorinda Kay White, Columbus
 Sara L. Wion, Chandlerville
 Susan Mary Wolf, Columbus
 Nancy Jane Young, Toledo
 Marianne Zilinskas, Amherst

College of Agriculture and Home Economics

Dean: Roy M. Kottman

Bachelor of Science in Agriculture

Susan Jane Adelman, McArthur
 John William Aldrich, Doylestown
 John Frederick Altmaier, Bexley
 Stephen Lee Baughn, Washington C. H.
 Carl Ernest Bell, Logan
 Holly Kay Biemler, Milan
 Leisa Rae Boley, Coldwater
 Ann Elizabeth Bryner, Kent
 Thomas Dean Burton, Casstown
 Pamela Jean Corle, Springfield
 Richard Allen Cottier, Sandusky
 Douglas Jay Dawson, Mt. Gilead
 Carlos Enrique Diaz, Caracas, Venezuela
 Tracy Marie DiSabato, Columbus
 Jeffrey Allen Erf, Columbus
 Jean Kathryn Gillmore, Mentor
 Dennis William Hall, Marysville
 Terese Marie Hannigan, Parma
 Thomas Philip Helmkamp, Akron
 Barbara Joan Hendricks, Orient
 Theresa Lynne Herron, Batavia
 Jorge Emilio Irizarry, Columbus
 Edwin Dean Jackman, Ashland
 Pamela Sue Jackson, Powell
 Lisa Renee Johnson, Newark, Del.
 Kevin Robert King, North Canton
 Elissa Louise Kiems, Cincinnati
 Scott David Knowles, Clayton
 Brent Murbach Kosch, Continental
 Cynthia Marie Kozak, Orchard Park, N. Y.
 Mary Theresa Myers, Cincinnati
 Keith Benjamin Nicholson, Newark
 William Gary Orcutt, Pioneer
 Tana Marie Ream, Massillon
 Susan Kathryn Riffell, Bradford
 Terry Scott, Dennison
 Juliana Wilson Seelbinder, Worthington
 Richard Clinton Sheridan, Carroll
 Charles William Shirk, Richwood
 Lawrence Anthony Smeltzer, Nashport
 Jean Earley Sowards, New Vienna
 Lisa Jean Straight, Whitehouse
 Gerald Feike Swindler, Wilmington
 Lora Leigh Tompkins, Hillsboro
 John Michael Townsley, Xenia
 Judith Ann Trott, Columbus
 Clara Roberta Turner, Vandalia
 Martha Rose Wank-Vandayburg,
 Richmond Heights

Bachelor of Science in Restaurant Management

Patricia Mary Angowski, Maywood, N. J.
Jeffrey Paul Brown, Reynoldsburg
Terri Linn Phillips, Mt. Vernon
Mark Allen Thompson, Englewood

School of Natural Resources

Bachelor of Science in Natural Resources

Timothy J. Bader, Akron
Raymond Robert Bauman, Columbus
Gary Lee Beebe, Columbus
George Charles Conrad, Hamilton
Patrick Joseph Conroy, Cleveland
Celeste Grace Cook, Toledo
Jon Fredrick Gafford, Columbus
Rosanna Jeanne Gusler, Delaware
K. William Hauer, Columbus
Anna Jenkins, Dayton
Robert Paul Lynch, Worthington
Timothy Vincent Malay, Friendswood, Tex.
John Steven Marics, Cleveland Heights
Linda Gaye Myers, Middletown
Mark Steven Roberts, Brecksville
Sean Bryan Robey, Columbus
James Allen Slutz, Magnolia
Joel Dale South, Columbus
Eric Wayne Tittsler, Columbus
Margaret Ann Townsend, Columbus
Steven James Wagner, Sidney
Thomas J. Zablotny, North Royalton
Karen Eleanor Zahn, Mansfield

Agricultural Technical Institute—Wooster

Associate in Applied Science

Ruth Ann Adamski, Powhatan Point
David Gregory Baughman, Youngstown
Barbara Cottrell Boron, Tempe, Ariz.
Jacqueline Eileen Drachenberg, Strongsville
Cathy Lorene Fields, Brecksville
Jennifer Christine Hsanay, Parma
Carole Louise Kirk, Vincent
James William Kreglow, Bellevue
Anita Louise Lokai, New Carlisle
Pamela Ann Parente, Cuyahoga Falls
Douglas Jay Parrett, Washington C. H.
Kathryn Ann Rickard, Seville
Robert R. Ries, Galloway
Donald Joseph Seliskar, Sunbury
Bruce Randal Shalter, Continental
Timothy Paul Springer, Sebring
Claire Harris Sundberg, Wooster
Diane Elizabeth Tuhoski, Strongsville
Jill Marie Vandemark, Gomer
Richard Allan Weeks, Toledo
Carol Ann Wentz, Mansfield
Susan Elizabeth Williard, Klingerstown, Pa.

College of Dentistry

Dean: William R. Wallace

Doctor of Dental Surgery

Frederick Joseph Burger, Defiance
B.A. (University of Toledo)
Mark Norman DePuy, Dearborn, Mich.
B.S. (University of Pittsburgh)
Mark Bernard Eighan, Canfield
B.S.
Beverly Joan Fanz, Kettering
B.S.
Isai Isaac Fishkin, Cincinnati
John Campbell Fowler, Mount Vernon
B.A. (Capital University)
Kathleen Mary Greene, Zanesville
B.S.
Chester Leon Layne, Proctorville
B.S. (Marshall University)
James Lanz Mapes, Hubbard
B.A. (Miami University)
Steven Quinn Paris, Oregon
B.A. (University of Toledo)
A. Wayne Quillen, Troy
B.S. (Wright State University)
Michael James Sullivan, Mt. Sterling
B.S.

Certificate of Graduate Dental Hygienist

Nancy Ann DeCaprio, Mayfield Heights
Karen Beth Iacurci, Kettering
Christine Ann Miller, North Canton
Karolyn Kei Price, Centerville

College of Education

Dean: Robert A. Burnham

Bachelor of Science in Education

Rhonda McMillen Aller, Carroll
Anastasia Poles Anast, Newark
Michael Harold Anderson, Westerville
Gertrude Clare Backlund, Newark
Donna Lee Beckett, Columbus
Cheryl Anne Betz, Columbus
June Karen Brewer, Westerville
Ann Marie Briggs, Powell
Barbara Lee Brueggemeyer, Cincinnati
Rebecca Rae Buffington, Gahanna
Elizabeth Vira Carey, Westfield Center
Jane Joseph Carter, Columbus
Leng Sim Chin, Selangor, Malaysia
Maria Ciminello, Columbus
Binette Theresa Cogswell, Lucasville
Judith Louise Cohen, Dayton
Shelley Lee Cohen, Columbus
Kristina Marie Connett, Gahanna
Douglas Edward Darnell, Madison
Jane Gleason Darnell, Kent
John Drew Ferrall, Cuyahoga Falls
Linda Denise Doan, Columbus
Eric David Ely, Chillicothe
James Edward Estep, Columbus
John Drew Ferrall, Cuyahoga Falls
Cathy Lee Fohlen, Columbus
Donna Marie Fox, Carroll
Miriam Susan Franks, Wooster
Mark Anthony Freeman,
Toronto, Ontario, Canada
Bonnie L. Frenzel, New Philadelphia
Connie Marie Fullen, Grove City
Carol Jean Georgia, Cleveland
Lisa Ann Grove, Bellbrook
Gayle Toth Hall, Columbus
Kathce Helen Harmon, Mansfield
Richard Cameron Haskins, West Jefferson
Charlene Annette Haught, New Matamoras
Kerrie Lynn Hein, Long Beach, Calif.
Linda Susan Heyman, Upper Sandusky
Ted Hodgson, Columbus
Gary Carl Hoppenstand, Columbus
Kimberly Jo Kelllogg, Bellefontaine
Jill Ann Kiess, Bucyrus
Judith Marie Kleinman, Beachwood
Machelle Richardson Kline, Westerville
Donald Fredrick Kloss, Jr., Hilliard
Patti-Jo Samo Kniesner, Columbus
Linda Kay Kready, Worthington
Janice Susan Kutash, Beachwood
Lisa Lynne Lieb, Reynoldsburg
Karen Aili Lo, Marion
Constance Lynn Lutes, Milford
Marjorie Kristine Lutz, Lancaster
Dana Ann Maphet, Milford
Rita Denise May, Plain City
Christopher Lynn McCabe, Columbus
Mark Andrew Miller, Bellefontaine
Catherine Jane Mitten, South Euclid
Patricia Ann Moats, Coshocton
Hasnah Mohd-Salleh,
Kuala Lumpur, Malaysia
David Joseph Moore, Mansfield
David William Nosker, Columbus
Susan Lee Nybell, Columbus
Ruth L. Paugh, West Jefferson
Dafna Pery, Kefar Saba, Israel

Janice Pitts, Cincinnati
 Kimbe Long Polhamus, Troy
 Marilyn Lee Pollock, Findlay
 Darlene Marie Quigley, Bay Village
 Jackie Lee Ray, Delaware
 Judith Lynn Reichelderfer, Tarlton
 Cynthia Marie Ryan, Columbus
 Sally Ann Sage, Bay Village
 Eileen Marie Scanlon, Newark
 CarlaAnn Shallenberger, Kent
 Mary Sue Sheridan, Columbus
 Susan Kay Shrum, Hilliard
 Tamara Lynn Smith, Shelby
 Jayne Ellen Snyder, Newark
 Scott Edward Spung, Worthington
 Russell Lowell Stoner, Utica
 Terri Kay Stricker, Mansfield
 Jeffery Scott Swanagan, Geneva
 Georgene Thanos, Willoughby
 Barbara Ashbrook Van Fossen, Johnstown
 Kimberly Dianne Walker, Parma
 Heidi Ann Walton, Delaware
 Judith Karen Wendt, Columbus
 Douglas Eugene Williams, Columbus
 Russell Lynn Winkler, Crestline
 John S. Wynkoop, Carroll

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

College of Engineering

Dean: Donald D. Glower

Bachelor of Science in Aeronautical and Astronautical Engineering

Daniel Leonard Bowdler, Ashtabula
 Thomas Kevin Dodi, Clayton
 Laura Wetesnik Fitch, Dayton
 Keith Lyle Irwin, Columbus
 Joseph Michael Terry, Columbus
 Paul Evan Zimpelmann, Columbus

Bachelor of Science in Agricultural Engineering

Douglas Craig Nelson, Lancaster

Bachelor of Science in Ceramic Engineering

Robert R. Sickafoose, Canton

Bachelor of Science in Chemical Engineering

Siamanto Abrami, Isfahan, Iran
 Robert Bergoch, Chardon
 William Joseph Grodecki, Seven Hills
 Kenneth A. Haley, Huntsville, Ala.
 Brent David Massmann, Deshler
 William B. Peters, Cincinnati

Pamela Jean Reed, Stockdale
 Thomas Joseph Reed, Lakewood
 Richard Andrew SESCO, Brownsville
 James Alan Telljohann, Columbus
 Suzanne Mary Wiegleb, Worthington

Bachelor of Science in Civil Engineering

Osama Mohammed Al-Faour, Columbus
 Gordon Russell Baker, Shelby
 Rahim Farahnak Benekohal, Tabriz, Iran
 Alan Scott Burnett, Cortland
 Anne Hager, Dayton
 Radwan Salah Ramlawi, Sidon, Lebanon
 Sameer Sawaf, Damascus, Syria
 Timothy Allan Urwin, Independence

Bachelor of Science in Computer and Information Science

Nena Beth Goodrich Bauman, Gahanna
 Michael Anthony Broderick, Columbus
 William Cole Fiere, Columbus
 David Robert Hamilton, IV, Ottawa
 Bruce Randall Heater, Columbus
 Carol Ann Heben, Cleveland
 Daniel Joseph Hronek, Columbus
 Kurt Anthony Looper, Dayton
 Justo José López Elias, Columbus
 Rena Sue (Hensley) Shampton, Columbus

Electrical Engineer

Gregory C. Mazza, Columbus
 Douglas Clair Syler, Columbus

Bachelor of Science in Electrical Engineering

Keith Alan Bailey, Middletown
 Chi Hou Chan, Kawlon, Hong Kong
 Andy Lee Davenport, Rickenbacker
 Air Force Base
 Anthony Joseph Fago, Reading
 Anthony Werner Ganz, Rossford
 Kenneth Joseph Geisheimer, Lyndhurst
 Jeffrey D. Graham, McConnessville
 Diane Marie Hanlon, Berea
 Terrence Michael Klimchak, Columbus
 Paul Thomas Kotnik, Chesterland
 Michael L. Malone, Loveland
 Kevin Lee Miller, Lore City
 Reza Norouzian-Shemirani, Columbus
 Joseph L. Otto, Columbus
 Gary Michael Pysz, Tonawanda, N. Y.
 Terry Lee Sawyers, Columbus
 Burney Alan Scales, Columbus
 David Morris Scott, Mansfield
 Richard Marc Scott, Cleveland Heights
 Brian James Simes, Ft. Knox, Ky.
 Gregory V. Siverling, Dayton
 Brentley Gaylor Smith, Niles
 Timothy Kent Smith, Columbus
 Mark Daniel Staller, Canton
 Leo Gerard Walter, Columbus
 Albert Ernest Weller, III, Columbus
 Bun Bennet Wong, Hong Kong
 Rebecca Ruth Young, Columbus

Bachelor of Science in Engineering Physics

David Reed Conaghan, Lima

Industrial Engineer

Donald Blaine Thornton, Columbus

Bachelor of Science in Industrial and Systems Engineering

Yu-Cheng Ai, Westerville
 Carl Steven Bartels, Cincinnati
 Lois A. Brunswick, Middletown
 Kenneth Alan Colosi, Mentor
 Ernest Burton Hazlett, Jr., Columbus
 William Gary Johnston, Sandusky
 Amy Louise Looney, Columbus
 John Theodore Warner, Worthington

Bachelor of Science in Mechanical Engineering

Jerold Eugene Adair, Youngstown
 James Emmett Bodiford, Jr., Mansfield
 Michael Edward Demarchi, Worthington
 David Martin Emerling, South Euclid
 Diane Marie Hanlon, Berea
 Laura Jane Herrmann, Cincinnati
 Mark Edward Hipp, Sandusky
 David Mark Jerome, Columbus
 Mike O. Kennedy, Columbus
 Elisabetta Lidia Landi, Delaware
 James Alan Lannan, Columbus
 Mark Horrocks Londeree, Lancaster
 James Andrew Osterbrock, Cincinnati
 John Lewis Parent, Columbus
 Michael William Rickly, Columbus
 Patrick Joseph Riley, Columbus
 Nicholas Joseph Sherman, Minster
 Eric William Smith, Sarasota, Fla.
 Daniel Logan Stahl, Mt. Vernon
 Bruce Alan Tucker, Columbus
 Michael Patrick Wesner, Westerville
 Gary Jay Zaremsky, Cleveland
 Carlos Manuel Zerpa La Rosa, Venezuela

Bachelor of Science in Metallurgical Engineering

David Scott Bruner, Middletown
 Rebecca Anne Kiovisky, Concord, Mass.

Bachelor of Science in Mining Engineering

Jeffrey Allen Ash, Marietta
 Robert R. Britton, Columbus
 Ben Bushe, Massillon
 Philip Barton Deaton, Fairborn
 Christopher Isaac Walton, Logan

Bachelor of Science in Welding Engineering

Frank August Lamantia, Toronto
 David Wayne Meyer, Mantua
 David Wayne Struckman, Columbus
 Daniel Tychonievich, Liverpool

School of Architecture

Bachelor of Science in Architecture

Jacob Baraban, Tel Aviv, Israel
Marcus Jay Brewer, Columbus
Noel Lawrence Cupkovic, Parma
Robert Joseph Giesken, Gahanna
Thomas Alan Graham, Columbus
Bradley Bannon Smith, Rocky River
William Francis Speck, Newton, Pa.
Joseph Anthony Trepicone, New Castle, Pa.

Bachelor of Science in Landscape Architecture

Dale Eric Bowyer, Maineville
Robert Randall Buchanan, Olmsted Falls
Stephen Redding Burns, Troy
Stephen Michael Joos, Springfield
Sandra Kay Locke, South Vienna

College of Medicine

Dean: Manuel Tzagournis, M.D.

Doctor of Medicine

Janice Gail Bowen, Columbus
B.A. (Stanford University)

Mary Thoesen Coleman, Columbus
B.S. (St. Joseph's College)

Richard Edwin Early, Columbus
B.S. (Miami University)

Suzanne Bruckel Haefele, Worcester, Mass.
B.S. (Denison University)

Clare Helen Legursky, Cincinnati
B.S. (College of Mt. Saint Joseph)

Edward Jay Levine, Columbus
B.S.

Jeffrey Thomas Martin, Alliance

Mary Phillis McNamara, Columbus
B.S.

Charles Whiting Richard, III, Dayton
B.S. (Stanford University)

Joe William Sayre, Columbus
B.S.Ch.E.

David Bradley Seitzinger, Canton
B.S.

Mary Louise Shaw, Washington C. H.
B.A. (Miami University)

James H. Stafford, Dayton
B.A. (Miami University)

Stephen Lewis Strobel, Columbus
B.S.

Michael Francis Zorko, Olmsted Falls
B.S. (University of Akron)

School of Allied Medical Professions

Bachelor of Science in Allied Health Professions

Shirley Ann Chromik Block, Albion, Pa.
Charles Albert Dietz, Jr., Kenton
Jerry Dean Francis, Tipp City
Duane Louis Fuerst, Delphos
Michael Dean Giamo, Philadelphia, Pa.
Christine Ann Mickley Pitts, Danville
Barbara Rowe Strain, Columbus
William Dane Weeks, Kettering

Certificate of Nurse Anesthetist

Tamara Ann Elliott, Columbus
B.S. Nursing

School of Nursing

Bachelor of Science in Nursing

C. Lynn Ahlers, Bay Village
Theresa Ann Baldassarre, Wellsville
Helene Ingrid Basehart, Columbus
Janice Marie Bis, North Olmsted
Kay Lee Brenning, Springfield
Linda Carol Dotson, Columbus
Jane Marie Ervin, Jackson
Susan Diane Evans, Dayton
Virginia Mary Fuhringer, Cleveland
Marjorie Gould Geason, Union Grove, Wis.
Becky Ann Gruner, Gibsonburg
Monica Barbara Hackett, Bay Village
Carolynn Regina Heinmiller, Columbus
Andrew Joseph Homa, Willoughby
Tom Alan Hostetler, Hicksville
Kathleen Oshinski Imboden, Columbus
Deborah Rae Jones, Columbus
Donna Lynn Koch, Avon
Roberta Anne Menning, Toledo
Diane Sue Morley, Plain City
Mary LaRosa Pritt, Parma
Iris Jeanette Rozenblad, Youngstown
Amy Jane Sabo, North Canton
Connie Elaine Scherger, Orrville
Susan Deen Snow, Cincinnati
Jean Ann Strauch, Columbus
Susan Karen Struch, Pittsburgh, Pa.
Patricia Marie Sullivan, Marion
Joyce Ellen Sutfitt, Maple Heights
Katherine Anne Utrecht, Cincinnati
Jodi Lynn Weisman, Lyndhurst
Marcia Anne Zvosec, Lorain

College of Pharmacy

Dean: Albert H. Soloway

Bachelor of Science in Pharmacy

Steven Robert Berner, Kettering

Carol Lynn Cunningham, Mt. Gilead

Emil Dontenville, Columbus

Jane Mary Edzkowski, Tiltonsville

Kevin Raymond Fearon, Cuyahoga Falls

Evelyn Kay Hansen, Gahanna
B.S. (Salisbury State College)

John Hess, Elyria

Garry Dean Hobson, Trenton

Joy Egbosimba Moneme, Columbus

James Michael Rice, Wheelersburg

Barbara Stone Schaad, Mansfield

Carole Ann Slencsak, Middleburg Heights

Jeffrey Daniel Smich, Parma

Larry Dean Towning, Zanesville

Karen Sue Trinkle, Cincinnati
B.S.

Chrisanne Webster, Utica

Philip Jeffrey Weinblatt, Columbus
B.S.; M.S. (Texas A & M University)

Douglas Allen Wittenauer, Poland

College of Social Work

Dean: Robert O. Washington

Bachelor of Science in Social Welfare

Timothy Ayers, Columbus
Sharon Kimberly Bain, Chillicothe
Patricia Ann Brown, Grove City
Joyce Ann Danglede, Madison, Ind.
Susan H. Greene, Mayfield Heights
Jo Ann Landon, Columbus
Yuk-Hi Patrick Leung, Columbus
Linda Patricia Malone, Columbus
Gail Anne Rindfleisch, Worthington
Goefrey Summers, Columbus
Jemma Dean Wise, Columbus

College of Optometry

Dean: Frederick W. Hebbard

Doctor of Optometry

Cheri Jenne Glaus, Mogadore

Graduates with Honors

Criteria for graduation with honors are as follows:

With Distinction requires successful completion of a Senior Honors Thesis, oral examination, and graduation in the top 25% of the class.

With Honors in the Liberal Arts requires successful completion of the arts and Sciences Honors Contract and graduation in the top 25% of the class.

Cum Laude designates those graduating in the top 10% of the class (top 6% in the Colleges of the Arts and Sciences).

Summa Cum Laude designates those graduating in the top 3% of the class (top 1.5% in the Colleges of the Arts and Sciences).

With Distinction in Accounting

Michael Paul Stanko

With Distinction in Agricultural Education

Leisa Rae Boley
Dennis William Hall

With Distinction in Anthropology

Nancy Lynn Peters

With Distinction in Computer and Information Science

Nena Beth Goodrich Bauman

With Distinction in Home Management and Housing

Beth Schaeper

With Distinction in Horticulture

Jeffrey Allen Erf

With Distinction in Programming for the Severely Delayed

Theodore Roy Fireman

With Honors in the Liberal Arts

Bruce Allen Johnson
Elizabeth Anna McCrory

Cum Laude

Rhonda McMillen Aller
Barbara Ann Behrendt
Van Blanchard, II
William Herbert Boggs
Naci Ihsan Bozkır
Marjorie Bennett Bray
Sue Ann Reulbach Cenci
Chi Hou Chan
Mary Thoesen Coleman
Mary Maclay Copenhaver

Pamela Jean Corle
Cynthia Louise Deyling
Shelley Gaye Eckstein
Wendy Sue Finch
Robert Charles Foti
Virginia Mary Fuhringer
Jean Kathryn Gillmore
Gayle Toth Hall
Barbara Joan Hendricks
Linda Sue Heyman
Kimberly Jo Kellogg
David A. Lewis
Ellen Sue Lieb
David Wayne Meyer
Mark Andrew Miller
Amanda Jane Moor
Susan Lee Nybell
Laurie Anne Patt
Julie Marie Price
William Michael Rehl, III
Richard Robert Resatka
Kathryn Ann Rickard
Sharon Depinet Rose
Thomas Roy Russell
Edward C. Schmitt
Robert Allen Seekely, II
Timothy Kent Smith
Mary Wilburn Tinsley
Colin M. Talcroft
Theresa D. Woodward
Carmine R. Zarlenga

Cum Laude with Distinction in Agricultural Education and Horticulture

Tracy Marie DiSabato

Cum Laude with Distinction in Family Relations and Human Development

Susan Mary Wolf

Cum Laude with Distinction in Home Management and Housing

Jill Schaeper

Cum Laude with Honors in the Liberal Arts

Jeffrey Kent Hasenfrazt
Christine Ethel Johnson-Pappas

Summa Cum Laude

Ronald Lee Beery
Stacy Alan Brovitz
Martin Lawrence Ellerbrock
Susan Amy Frey
Ronald Leigh Fritch
Janet Elizabeth Gallup
Matthew Werner Ganz
Thomas Alan Graham
Patti-Jo Samo Kniesner
Cathy S. Leonhardt
Pamela Ann Parente
Marilyn Lee Pollock
Mitchell R. Stafman
Stephen Lewis Strobel
Amy Lap-Kwan Wong
Cheryl Lee Zimmerman

Summa Cum Laude with Distinction in Family Relations and Human Development

Cindy Coody Moseman

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

Columbus, Ohio, September 4, 1981

The Board of Trustees met at its regular monthly meeting on Friday, September 4, 1981, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, pursuant to adjournment.

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

* * *

Minutes of the last meeting were approved.

* * *

September 4, 1981 meeting, Board of Trustees

The Chairman, Mr. Devenow, called the meeting of the Board of Trustees to order at 11:30 a.m. He requested the Secretary to call the roll. The meeting recessed into Executive Session for the purpose of considering legal issues and personnel-related matters.

Present: Chester Devenow, Chairman, Warren J Smith, John D. Jacob, Daniel M. Galbreath, Leonard J. Immke, and John W. Berry.

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

RESOLUTIONS IN MEMORIAM

Resolution No. 82-17

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

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

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

Robert O. Chadeayne

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on August 19, 1981, of Robert O. Chadeayne, Associate Professor Emeritus in the College of the Arts.

Professor Chadeayne joined the faculty of The Ohio State University in 1943, and served as a painting instructor until his retirement in October, 1963. He began his teaching career at Quiassaic Hall, Newburgh, New York, and then became head of the drawing and painting department of the Columbus Art School in 1927, a position he held until 1943. During part of this period he was dean of the Columbus Art School.

In addition to his University activities, Professor Chadeayne taught children's art classes and organized and taught private classes for business and professional men, as well as for women members of The Columbus Gallery of Fine Arts. He continued to paint and exhibited his work professionally in national exhibitions, including the Corcoran-Biennial, Washington, D. C.; the National Academy of Design; the Art Institute of Chicago Annual; the Peabody Institute; and others. He held numerous one-man exhibitions. He was awarded the Norman Waite Harris medal at the Art Institute of Chicago, the John Lambert Purchase prize at the Pennsylvania Academy of Fine Arts, the Franz Huntington prize, the Schumacker purchase prize, and eight other first prizes in the Columbus Art League. He also received a medal for "Contribution to the World of Art" at the Hall of Science and Art, World's Fair, New York City.

September 4, 1981 meeting, Board of Trustees

RESOLUTIONS IN MEMORIAM (contd)

Robert O. Chadeayne (contd)

Professor Chadeayne's work is represented in numerous collections, including the permanent collection of the Pennsylvania Academy of Fine Arts; The Columbus Gallery of Fine Arts; Capital University; the Dr. E. G. Stillman private collection (New York City); the permanent collection of the Canton Art Institute, Canton, Ohio; and many others.

Since coming to Columbus in 1927, Professor Chadeayne was a member of the Columbus Art League and held numerous executive positions in the League, including that of president.

Professor Chadeayne was born in Cornwall, Orange County, New York, December 13, 1897, and he received his early education in Cornwall High School, Colgate University, and the Art Students' League, New York City.

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

Mary Alice Diehl

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on May 15, 1981, of Mary Alice Diehl, Instructor Emeritus in the Cooperative Extension Service.

Mrs. Diehl was born in Hinton, West Virginia. She attended Wittenberg University and The Ohio State University receiving a Bachelor of Science in Home Economics degree.

Mrs. Diehl was a home economics education teacher in Harlan, Indiana; Magnetic Springs, Ohio; and Grove City, Ohio. She later served as a home service director for Ohio Edison.

She was a home economics teacher at Raymond, Ohio, before joining the Ohio Cooperative Extension Service as a home demonstration agent in 1946. Mrs. Diehl served in this position in Union County until her retirement on December 31, 1961.

On behalf of the University community, the Board of Trustees expresses to the family of Mrs. Diehl its deepest sympathy. It was directed that this resolution be inscribed in the minutes of the Board of Trustees and that a copy be tendered to the family as sincere appreciation of the Board's realization of the loss that the family, the University and her many friends and associates have sustained.

Dan J. Eustice

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on August 5, 1981, of Dan J. Eustice, Associate Professor in the Department of Mathematics.

September 4, 1981 meeting, Board of Trustees

RESOLUTIONS IN MEMORIAM (contd)

Dan J. Eustice (contd)

Professor Eustice was born in Detroit, Michigan, on May 3, 1931. He attended Mankato State College from September 1949 to June 1953 at which time he received the B.A. degree in science and mathematics. From September 1953 to June 1955, he was a half-time teaching assistant in the Department of Mathematics at Purdue University and received the M.S. degree in mathematics from Purdue at the end of this period. From June 1955 to September 1957, Professor Eustice was employed by the National Aeronautics and Space Administration agency in Cleveland, Ohio. In September of 1957, he returned to Purdue University and received his Ph.D. degree there in January 1960. He resumed his position as Research Engineer at N.A.S.A. in Cleveland and continued there until September 1961 when he joined the faculty at the University of Illinois. In September of 1966, he became a faculty member of the Department of Mathematics at The Ohio State University as an Assistant Professor and was promoted to the rank of Associate Professor in September 1968.

Professor Eustice was a member of the American Mathematical Society and served as problem editor for Mathematics Magazine for several years. He had a creditable record of publication in the area of orthogonal series. His strong commitment to gifted undergraduates was manifest by his dedicated service on the Honors Committee and by the outstanding effort he made in preparing students for national competitions in mathematics.

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

Leland D. Schuler

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on July 1, 1981, of Leland D. Schuler, Assistant Professor Emeritus in the Cooperative Extension Service.

Mr. Schuler was County Extension Agent, Agriculture, in Geauga County from 1951 until his retirement in 1974. He had previously been an Associate County Extension Agent in Lorain County from 1947 until 1951.

Mr. Schuler was born on a farm near Coshocton, Ohio, on April 28, 1918. After graduating from Clark High School, Clark, Ohio, in 1935, he earned two degrees in agriculture from The Ohio State University—Bachelor of Science in Agriculture in 1939 and Master of Science in 1960.

He was a vocational agriculture instructor in the Nashville and Big Prairie Schools from 1939 to 1941. He then moved to Millersburg to a similar position. After a three-year tour of duty in the U. S. Army Air Force, he became a vocational agriculture instructor in the Hopewell-Loudon and Jackson-Liberty Schools in 1946 and 1947.

September 4, 1981 meeting, Board of Trustees

RESOLUTIONS IN MEMORIAM (contd)

Leland D. Schuler (contd)

Leland Schuler made several outstanding contributions to Geauga County. He took the leadership in assisting area farmers in both the production and marketing of quality maple syrup. Through his help, Geauga County maple syrup became nationally known.

Mr. Schuler gave leadership to the organization of an area feeder pig production and marketing program. This has been of real value to the area, particularly among the Amish.

Mr. Schuler worked with the county dairy industry to develop programs in dairy herd improvement and in milk marketing and consumer education. He also worked with the 4-H program in Geauga County and was one of the extension faculty responsible for securing and developing 4-H Camp Whitewood, used annually by thousands of young people.

Mr. Schuler served as president of the OSU alumni in Geauga County, chairman of Northeast Ohio 4-H Camps, Inc., chairman of Geauga County Maple Festival and associate director of National Maple Syrup Council, and was a charter member of Geauga County Planning Commission. He served on the Natural Resources Task Force Committee on the OSU College of Agriculture and the Kent State University Center advisory board in 1969 and 1970.

On behalf of the University community, the Board of Trustees expresses to the family of Mr. Schuler its deepest sympathy. It was directed that this resolution be inscribed in the minutes of the Board of Trustees and that a copy be tendered to the family as sincere appreciation of the Board's realization of the loss that they, the University and his many friends and associates have sustained.

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**ADMISSION TO THE OHIO STATE UNIVERSITY,
EFFECTIVE AUTUMN QUARTER 1983**

Resolution No. 82-18

Synopsis: Approval is requested to announce that it is the intention of The Ohio State University that effective Autumn Quarter 1983 unconditional admission of new freshmen to the University will be granted only upon completion of a college preparatory high school curriculum as defined by the State Board of Education.

WHEREAS The Ohio State University has worked and will continue to work actively toward improving the quality of college preparatory instruction in the high schools in the State of Ohio; and

WHEREAS the Advisory Commission on Articulation Between Secondary Education and Colleges of the Ohio Board of Regents and the State Board of Education has recommended that completion of a college preparatory high school curriculum be necessary for unconditional admission to Ohio's four-year colleges and universities; and

September 4, 1981 meeting, Board of Trustees

**ADMISSION TO THE OHIO STATE UNIVERSITY,
EFFECTIVE AUTUMN QUARTER 1983 (contd)**

WHEREAS it is the mission of The Ohio State University to provide instruction which is beyond the secondary level; and

WHEREAS The Ohio State University has a strong commitment to improving the level of understanding of college expectations and to meeting the educational needs of minorities, women and the educationally disadvantaged; and

WHEREAS the Ohio Revised Code requires at least a two-year notice of any change of admission policy to State-assisted colleges or universities; and

WHEREAS it is the intention of The Ohio State University to use the two-year period of notice to communicate with the high schools and students who may be affected by this resolution:

NOW THEREFORE

BE IT RESOLVED, That an announcement be distributed to the high schools and citizenry of the State of Ohio that it is the intention of The Ohio State University that effective Autumn Quarter 1983 admission of new freshmen to The Ohio State University will be on a conditional or unconditional basis, dependent upon completion of a college preparatory high school curriculum.

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

Mr. Smith:

We discussed this and I think we discussed two items in the RESOLVED--one is the question of legality which we have determined and the other one was the effective date in that there are juniors who have already set their school schedules and commenced classes already that would be affected by this. Maybe starting the policy effective in '84 would be a way out--fairer to those students.

Provost Reynolds:

Could I offer, perhaps, the substitute wording, Mr. Smith, of 'effective no sooner than Autumn Quarter 1983'? Essentially the time is enabling time as we discussed this morning. There are many aspects of this that we need to study, work with guidance counselors, etc., across the state; but we need Board action on it in order to begin working on it which is the situation that we are in, so if we switch that to 'no earlier than Autumn Quarter 1983,' it would leave us with that opening--would that be accepted?

Mr. Smith:

This is '81. I am thinking of the junior who is in a course right now who may intend, for example, to be a vocational education teacher--for some reason he is going to take straight vocational education. I just happen to have gone through school with a student who did that and is now in vocational education and he

September 4, 1981 meeting, Board of Trustees

**ADMISSION TO THE OHIO STATE UNIVERSITY,
EFFECTIVE AUTUMN QUARTER 1983 (contd)**

Mr. Smith: (contd)

surprised all of us, he went into a vocational education class. And I'm just thinking of juniors who have made decisions like that for one reason or another and set their schedules this year, and when they come here to be admitted in '83, they may not have taken some of the required courses.

Provost Reynolds: But, of course, they would still be admitted.

Mr. Smith:

They would be admitted maybe. I say maybe because I think you are going to have two classifications conditional--those who have no conditions and those who have conditional, and I would think that you would take those who first had no conditions attached to admittance, or is that wrong?

Provost Reynolds:

I look upon this as being two things--it is enabling. It quickly allows us to admit the student who has had the college preparatory curriculum. In a sense it is a reward for it. We hasten by those. It then groups the students who have not, and those we will devote a great deal of time and effort to. We do presently in attempting to assess at what level they are so we may best handle them at Ohio State. And by the same token, I believe this would give a message to high school youngsters, their parents and their schools and we have agreed on that this morning that is very desirable.

Mr. Smith: But for some students though.

Provost Reynolds:

That's why I would suggest that to say no--the only reason that the Autumn Quarter '83 is picked and that we felt the need to bring it in at this time is that it has to be at least two years. There is nothing to say it can't be more than two years.

Mr. Devenow:

Do you want to qualify that, Warren, by saying two years or some revised period subject to Board action?

Mr. Smith: All I want is assurance that some junior . . .

Mr. Devenow: I understand.

Mr. Smith:

. . . will not fall into a trap. Ann is telling me that will not happen and that he is not going to be told, 'Well, you should have that; I didn't know that'--I have no quarrel if that is so. I do have problems with the legality of this, though, and I think we should pass on the condition that it is approved by the Attorney General.

September 4, 1981 meeting, Board of Trustees

**ADMISSION TO THE OHIO STATE UNIVERSITY,
EFFECTIVE AUTUMN QUARTER 1983 (contd)**

Provost Reynolds: And you and I discussed that and we will work on that.

Mr. Devenow: Did you amend the motion so that--

Provost Reynolds: I have no right to amend the motion.

Mr. Devenow: Who amended the motion?

Mr. Immke: I think we added, subject to the approval of the Attorney General.

Mr. Devenow:

We did amend it at the Fiscal Affairs Committee this morning subject to Attorney General ruling; okay. With that will you accept?

Mr. Smith: Yes.

The Board indicated approval with an affirmative vote.

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PERSONNEL ACTIONS

Resolution No. 82-19

President Jennings requested Provost Reynolds to present the first personnel action.

Provost Reynolds:

It is my pleasure and privilege to add something to the very first personnel action which is the recommendation that Dr. Edward H. Jennings be appointed to the title of Professor in the Department of Finance in the College of Administrative Sciences. And to that end I would just like to read a brief statement from Dean Davidson, College of Administrative Science: 'Based on my review and the recommendations of the Faculty of Finance and the College of Administrative Science Personnel Committee, I am pleased to recommend award of tenure and the rank of full professor for Dr. Edward H. Jennings.'

Name:	EDWARD H. JENNINGS
Title:	Professor
Academic Faculty:	Finance
Salary:	No Salary
Effective:	September 1, 1981
Present Position:	President, The Ohio State University

Upon motion of Mr. Galbreath, seconded by Dr. Jacob, the foregoing recommendation was approved by unanimous roll call vote.

September 4, 1981 meeting, Board of Trustees

PERSONNEL ACTIONS (contd)

Synopsis: In addition to the regular personnel actions taken since the last meeting, the following Appointments, Medical Staff Appointments, Leaves of Absence Without Salary, Professional Improvement Leave, and Emeritus Titles are recommended for approval.

RESOLVED, That the personnel actions as recorded in the Personnel Budget Records of the University since the July 10, 1981 meeting of the Board, including the following Appointments, Medical Staff Appointments, Leaves of Absence Without Salary, Professional Improvement Leave, and Emeritus Titles as detailed in the University Budget, be approved.

Appointments

Name: MICHAEL E. WHITCOMB
Titles: Associate Dean for Clinical Affairs, College of Medicine,
and Medical Director, The Ohio State University Hospitals
Salary: \$48,000.00 (12-month)
Effective: July 6, 1981
Present Positions: Professor, Department of Medicine, and Assistant Medical
Director, The Ohio State University Hospitals

Name: FIRMAN HEWITT BROWN, JR.
Title: Professor and Chairman
Department: Theatre
Salary: \$48,000.00 (12-month)
Effective: July 1, 1981
Present Position: Professor and Chairman, Theatre Arts, Director of Annie
Russell Theatre, Rollins College, Winter Park, Florida

Name: THOMAS EDWARD MORIN
Title: Professor and Chairman
Department: Art
Salary: \$46,560.00 (12-month)
Effective: July 1, 1981
Present Position: Professor and Head, Department of Art, University of
Akron, Akron, Ohio

Name: SHARON V. REDICK
Title: Associate Professor and Chairman
Department: Home Economics Education
Salary: \$36,000.00 (12-month)
Effective: July 1, 1981
Present Position: Associate Professor, Department of Home Economics
Education, West Virginia University

September 4, 1981 meeting, Board of Trustees

PERSONNEL ACTIONS (contd)

Appointments (contd)

Name: JERROLD RICHARD VOSS
Title: Professor and Director
School: Architecture
Salary: \$52,560.00 (12-month)
Effective: August 10, 1981
Present Position: Professor, Department of City and Regional Planning, The Ohio State University

Name: GERALD P. BRIERLEY
Title: Professor and Acting Chairman
Department: Physiological Chemistry
Salary: \$48,000.00 (12-month)
Effective: July 1, 1981
Present Position: Professor, Department of Physiological Chemistry, The Ohio State University

Name: JAMES SARGENT KING
Title: Professor and Acting Chairman (70 per cent)
Department: Anatomy
Salary: \$32,592.00 (12-month)
Effective: July 1, 1981
Present Position: Professor, Departments of Anatomy and Surgery, The Ohio State University

Name: WARREN L. ROLLER
Title: Professor and Acting Chairman (15 per cent)
Department: Agricultural Engineering
Salary: \$6,786.00 (12-month)
Effective: July 1, 1981
Present Position: Professor and Associate Chairman, Department of Agricultural Engineering, The Ohio State University and the Ohio Agricultural Research and Development Center

Medical Staff Appointments

Name	Appointment	Clinical Division
Effective Date: Pending Issuance of Permanent Ohio License		
Thomas Price Houston, M.D.	Attending Staff	Family Medicine
W. Brian O'Malley, Ph.D.	Associate Staff (Psychology)	Physical Medicine and Rehabilitation
Rebecca D. Jackson, M.D.	Courtesy Staff in Physical Medicine and Limited Staff in Medicine, Department of Endocrinology and Metabolism	Physical Medicine and Rehabilitation
John W. Walker, M.D.	Limited Staff in Thoracic and Cardiovascular Surgery (Fellow)	Surgery

September 4, 1981 meeting, Board of Trustees

PERSONNEL ACTIONS (contd)

Medical Staff Appointments (contd)

Name	Appointment	Clinical Division
Effective Date: Pending Issuance of Temporary Certificate		
Michael J. Torsiello, M.D.	Limited Staff in Plastic Surgery	Surgery
Effective Date: July 8, 1981		
A. Patrick Jonas, M.D.	Transfer from Attending to Courtesy Staff	Family Medicine
Richard Cline, M.D.	Limited Staff in Gastroenterology and transfer from Attending to Courtesy Staff in Preventive Medicine	Medicine
John T. Brandt, M.D.	Attending Staff	Pathology
Hani Abdel-Nabi, M.D.	Limited Staff in Nuclear Medicine	Radiology
Wayne K. Kinning, M.D.	Limited Staff in General Surgery (Vascular Fellow)	Surgery
John Farrell Williams, M.D.	Courtesy Staff in Orthopaedic Surgery	Surgery
Wilhelm A. Zuelzer, M.D.	Limited Staff in Orthopaedic Surgery (Fellow)	Surgery
Daniel R. LeGrand, M.D.	Limited Staff in General Surgery	Surgery
Effective Date: July 21, 1981		
Maroon B. Khoury, M.D.	Limited Staff in Diagnostic Radiology	Radiology

Leaves of Absence Without Salary

HAO CHANG, Professor, Department of History, effective January 1, 1982 through March 31, 1982, to develop a new course in East Asian religion.

JERROLD RICHARD VOSS, Professor, Department of City and Regional Planning, effective July 1, 1981 through August 9, 1981, to continue in his post as Deputy Director of Research and Development for the United Nations Center for Human Settlements.

JERRY F. DOWNHOWER, Associate Professor, Department of Zoology, effective October 1, 1981 through September 15, 1982, to continue his position with the Ecology Section of the National Science Foundation.

JOHN A. FERRARO, Associate Professor, Department of Communication, effective October 1, 1981 through September 30, 1982, for personal reasons.

September 4, 1981 meeting, Board of Trustees

PERSONNEL ACTIONS (contd)

Leaves of Absence Without Salary (contd)

SHIRLEY A. WILLIAMS, Associate Professor, Department of Romance Languages and Literatures (Lima Campus), effective October 1, 1981 through March 31, 1982, to accept an invitation to participate in a NEH Resident Seminar.

LARRY RICHARD YODER, Associate Professor, Department of Botany (Marion Campus), effective October 1, 1981 through September 30, 1982, to serve as a Visiting Associate Professor and Program Director of the environmental education center at Goshen College, Goshen, Indiana.

ABDALLA HASSAN ELJACK, Assistant Professor, Department of Veterinary Anatomy, effective July 1, 1981 through July 21, 1981, and August 17, 1981 through June 30, 1982, for personal reasons.

MICHAEL L. SMITH, Assistant Professor, Academic Faculty of Finance, effective October 1, 1981 through June 30, 1982, to accept a Visiting Assistant Professorship at the University of Texas at Austin.

ALAN P. SPRAGUE, Assistant Professor, Department of Mathematics, effective October 1, 1981 through December 31, 1981, to accept a Visiting Assistant Professorship at Clemson University.

NIKKI LYNN CONKLIN, Instructor, Cooperative Extension Service, effective June 1, 1981 through September 30, 1981, for personal reasons.

Professional Improvement Leave

RICHARD H. REUNING, Associate Professor, College of Pharmacy, change from Autumn Quarter 1980, Winter Quarter 1981, Spring Quarter 1981, and Summer Quarter 1981 to September 24, 1980 through August 16, 1981.

Emeritus Titles

LEWIS C. BRANSCOMB, University Libraries, with the title Professor Emeritus, effective September 1, 1981.

GEORGE M. CLARK, Department of Architecture, with the title Professor Emeritus, effective July 1, 1981.

M. EUGENE CRAVENS, Department of Agricultural Economics and Rural Sociology, with the title Professor Emeritus, effective September 1, 1981.

LELAND O. DREW, Department of Agricultural Engineering, with the title Professor Emeritus, effective August 1, 1981.

HERMAN J. PETERS, Academic Faculty of Special Services, with the title Professor Emeritus, effective September 1, 1981.

September 4, 1981 meeting, Board of Trustees

PERSONNEL ACTIONS (contd)

Emeritus Titles (contd)

ARTHUR E. WOHLERS, Academic Faculty of Educational Administration, with the title Professor Emeritus, effective September 1, 1981.

WAYNE E. DIPNER, Department of Architecture, with the title Associate Professor Emeritus, effective July 1, 1981.

FLOYD E. HEFT, Department of Agronomy, with the title Associate Professor Emeritus, effective September 1, 1981.

HELEN G. STORER, Cooperative Extension Service, with the title Assistant Professor Emeritus, effective January 1, 1982.

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

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REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS

Resolution No. 82-20

Synopsis: The reports on contracts, grants, and gifts and the summaries for June and July are presented for Board acceptance.

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

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

NOW THEREFORE

BE IT RESOLVED, That the research agreements between The Ohio State University and The Ohio State University Research Foundation for the contracts and grants reported herein, and the acceptance of the reports from the Office of Business and Administration, the Engineering Experiment Station and The Ohio State University Development Fund during the months of June and July 1981, be approved.

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

September 4, 1981 meeting, Board of Trustees

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

SUMMARY FOR JUNE 1981

Source	No. of Projects	Support Level
The Ohio State University Research Foundation	148	\$7,408,454.67
Engineering Experiment Station	52	229,116.00
		\$7,637,570.67
The Ohio State University Development Fund		
Establishment of Named Funds		
The Bernice B. Ross Memorial Scholarship Fund for Music (Undergraduate scholarships - School of Music)		\$ 20,000.00
The Castor Memorial Scholarship Fund (Undergraduate scholarships - students from Wayne County attending Agricultural Technical Institute)		\$ 10,000.00
The William W. and Louisa Castor Memorial Award Fund (Department of Geology and Mineralogy)		\$ 10,000.00
Bill Zipf 4-H Memorial Scholarship (Undergraduate scholarships - agricultural communications or journalism)		\$ 10,000.00
Richards Farms Scholarship in Agricultural Economics and Rural Sociology (Undergraduate scholarships in agribusiness)		\$ 7,500.00
The Tzagournis Teaching and Research Fund (Endocrinology students' research, teaching and patient care)		\$ 5,933.32

September 4, 1981 meeting, Board of Trustees

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

SUMMARY FOR JUNE 1981 (contd)

Establishment of Named Funds (contd)

The Kalmbach Family Scholarship Fund (Scholarships - students from Wyandot County in the College of Agriculture and Home Economics)	\$ 5,000.00
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Change Name of Named Fund

From: Department of Pathology Educational
and Research Discretionary Fund
To: Baba Memorial Fellowship in
Pathology Fund

Report from Presidents Club

Members to date	4,477
1981 members: year to date	75
New members - June 1981	14

New Presidents Club Members - June 1981

Richard E. Abbruzzese	Michael J. Kirby
K. Kenney Crooks	Lawrence B. Leiby
Shawn C. Doherty	R. Jeffrey Morris
Shane D. Falleur	Renee C. Rogers (Mrs. Russell A.)
Ronald H. Fewster	Donald C. Seelman
William N. Griffin III	Nansie A. Starr (Mrs. Thomas)
Cheryl Ann Johnson (Mrs. Lawrence)	Thomas R. Sweet

September 4, 1981 meeting, Board of Trustees

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

SUMMARY FOR JULY 1981

Source	No. of Projects	Support Level
Office of Business and Administration	8	\$2,798,508.11
The Ohio State University Research Foundation	65	4,447,400.65
Engineering Experiment Station	27	245,375.40
		\$7,491,284.16

The Ohio State University Development Fund

Establishment of Named Funds

The Warner M. and Lora Kays Pomerene
College of Medicine Research Fund
(College of Medicine) \$ 60,223.78

The Samuel Freifield Endowed
Scholarship Fund in Law
(College of Law) \$ 10,000.00

The C. B. and Ardis H. Stewart
Scholarship Fund
(Scholarships - Wood County Residents) \$ 7,000.00

Change Name of Named Fund

From: Wood County Scholarship Fund
To: The William G. Cronenwett Memorial
Scholarship of Wood County

Report from Presidents Club

Members to date	4,489
1981 members: year to date	91
New members - July 1981	16

New Presidents Club Members - July 1981

Walter B. Barbe	Stephen D. Righter
Frederick G. Collar	Thor R. Rubin
George F. Erwin	Sheldon G. Shore
John E. Gregory	Raymond J. Siegrist
Edward J. Harris	Maureen C. Sturtz (Mrs. Laurence E.)
Raul A. Hernandez	Joseph E. Sudduth
Milton P. Kalmbach	Thomas T. Taggart
Sallie Ondrey (Mrs. Joseph D.)	Mary E. Weaver (Mrs. Earl)

September 4, 1981 meeting, Board of Trustees

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

FOURTH QUARTER SUMMARY

April 1, 1981 through June 30, 1981

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION

Source	No. of Projects	Support Level
FEDERAL		
National Aeronautics and Space Administration	10	\$ 428,484.00
National Science Foundation	44	2,210,683.00
Department of Defense	18	812,234.00
Department of Energy	10	1,306,710.00
Department of Education	12	1,093,665.49
Department of Health and Human Services	69	4,919,309.00
Other Federal	25	1,324,755.00
TOTAL - FEDERAL	188	\$12,095,840.49
STATE OF OHIO	13	\$ 378,665.08
INDUSTRIAL, PRIVATE, AND OTHER NON-FEDERAL SPONSORS	75	\$ 2,014,924.63
GRAND TOTAL	276	\$14,489,430.20

September 4, 1981 meeting, Board of Trustees

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

FOURTH QUARTER SUMMARY

April 1, 1981 through June 30, 1981

ENGINEERING EXPERIMENT STATION

Source	No. of Projects	Support Level
FEDERAL	1	\$ 2,500.00
STATE OF OHIO	2	65,365.00
INDUSTRIAL AND OTHER	125	534,539.00
GRAND TOTAL	128	\$602,404.00

September 4, 1981 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION

Federal Research Contracts/Grants

\$831,185.00 - Department of Health and Human Services, Public Health Service, Bureau of Community Health Services, Maternal and Child Health, Rockville, Maryland, Mental Retardation Training, Nisonger Center for Mental Retardation (G. E. Martin), 1 July 1981 through 30 June 1982. (Project 761169 - Continuation)

\$178,267.00 - National Science Foundation, Washington, D. C., Dynamics of the Southern Portion of the Greenland Ice Sheet, Institute of Polar Studies and Department of Geology and Mineralogy (I. M. Whillans), Institute of Polar Studies (J. F. Bolzan), Department of Mathematics (R. E. Ewing), and Department of Geodetic Science (I. I. Mueller), 1 May 1981 through 31 May 1982. (Project 762103 - Continuation)

\$145,000.00 - National Science Foundation, Washington, D. C., Nuclear Physics Research at Low and Intermediate Energies, Department of Physics (H. J. Hausman, S. L. Blatt, T. R. Donoghue, and E. R. Sugarbaker), 1 June 1981 through 31 October 1982. (Project 761653 - Continuation)

\$132,517.00 - Department of Education, Office of Special Education, Grant and Procurement Management Division, Washington, D. C., The Development of a Curriculum for Pediatric Residents in Handicapping Conditions, Nisonger Center for Mental Retardation (M. J. Guralnick), 1 July 1981 through 30 June 1982. (Project 761774 - Continuation)

\$127,545.00 - Department of Education, Grant and Procurement Management Division, Washington, D. C., Teacher Training Project Leading to a B.S. and M.A. Degree in Elementary Education with Specialty in Bilingual Education, Marion Campus and Academic Faculty of Early and Middle Childhood Education (V. G. Allen), 1 September 1981 through 31 August 1982. (Project 762401 - Continuation)

\$126,214.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Neurological and Communicative Disorders and Stroke, Bethesda, Maryland, A Model of Parainfectious Demyelinating Encephalitis, Department of Veterinary Pathobiology (G. S. Krakowka), 1 July 1981 through 30 June 1982. (Project 762797 - Continuation)

\$125,000.00 - Department of the Navy, Naval Training Equipment Center, Orlando, Florida, OSU/Microcode Development for CIG, Department of Art Education (C. A. Csuri) and Department of Computer and Information Science (F. C. Crow), 29 June 1981 through 28 June 1983. (Project 762746 - New)

September 4, 1981 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

\$120,922.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Heart, Lung and Blood Institute, Bethesda, Maryland, Pathology of Mitochondria in Ischemic Myocardium, Department of Physiological Chemistry (G. P. Brierley), 1 July 1981 through 30 June 1982. (Project 761229 - Continuation)

\$117,549.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Oncology Training Grant, Department of Medicine (S. P. Balcerzak), 1 July 1981 through 30 June 1982. (Project 761160 - Continuation)

\$117,319.00 - Department of Education, Grant and Procurement Management Division, Washington, D. C., Institute for Effective Integrated Education, Academic Faculty of Educational Foundations and Research (W. Wayson), 1 July 1981 through 30 June 1982. (Project 762726 - New)

\$110,000.00 - Department of the Interior, Office of Surface Mining, Washington, D. C., Mining and Mineral Resources Research Institute Allotment Program, Engineering Experiment Station (C. Konya), 1 July 1981 through 30 June 1982. (Project 762694 - New)

\$104,409.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Study of the Clinical Pharmacokinetics of Anticancer Drugs, College of Pharmacy (L. Malspeis), 1 May 1981 through 30 April 1982. (Project 761128 - Continuation)

\$104,300.00 - National Science Foundation, Washington, D. C., Hot Corrosion of Metals and Alloys by Fused Salts, Department of Metallurgical Engineering (R. A. Rapp), 1 August 1981 through 31 July 1982. (Project 761799 - Continuation)

\$100,745.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Environmental Health Sciences, Research Triangle Park, North Carolina, Trihalomethanes in Water: An Epidemiologic Model, Department of Preventive Medicine (J. R. Wilkins, III and M. D. Keller) and Cancer Research Center (N. A. Reiches), 1 July 1981 through 30 June 1982. (Project 762748 - New)

\$99,880.00 - National Science Foundation, Washington, D. C., Hormonal Regulation of Root Growth, Department of Botany (M. L. Evans), 15 June 1981 through 31 May 1983. (Project 762721 - Continuation)

September 4, 1981 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

\$93,590.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Heart, Lung and Blood Institute, Bethesda, Maryland, Chemistry and Pharmacology of Thalictrum Constituents, College of Pharmacy (J. L. Beal), 1 July 1981 through 30 June 1982. (Project 761497 - Continuation)

\$84,755.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Division of Research Resources, Bethesda, Maryland, Biomedical Research Development Grant, School of Nursing (J. S. Stevenson), 1 July 1981 through 30 June 1982. (Project 761747 - Continuation)

\$83,425.00 - National Science Foundation, Washington, D. C., Precipitation over the Coastal Areas of East Antarctica, Institute of Polar Studies (D. H. Elliot and D. H. Bromwich), 1 May 1981 through 30 April 1983. (Project 762684 - New)

\$80,441.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, Predoctoral Training in Medicinal Chemistry, College of Pharmacy (D. T. Witiak), 1 July 1981 through 30 June 1982. (Project 761123 - Continuation)

\$79,996.00 - National Aeronautics and Space Administration, Lewis Research Center, Cleveland, Ohio, Application of Optical Computing to the Control of Jet Engines, Department of Electrical Engineering, ElectroScience Laboratory (S. Collins), 1 August 1981 through 30 July 1982. (Project 761795 - Continuation)

\$77,467.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Arthritis, Metabolism and Digestive Diseases, Bethesda, Maryland, Oxalic Acid Metabolism and Primary Hyperoxaluria, Department of Physiological Chemistry (K. E. Richardson), 1 June 1981 through 31 May 1982. (Project 762720 - Continuation)

\$76,119.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Pathogenesis of Animal Leukemia, Department of Veterinary Pathobiology (E. A. Hoover), 1 September 1981 through 31 August 1982. (Project 760928 - Continuation)

\$74,643.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute on Aging, Bethesda, Maryland, Protein Stability and Aging in Anucleate Cells, Department of Microbiology (J. N. Reeve), 1 July 1981 through 30 June 1982. (Project 761724 - Continuation)

September 4, 1981 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

\$72,128.00 - National Science Foundation, Washington, D. C., Syntheses and Studies of Selected Metal Carbonyl and Metalloborane Cluster Systems, Department of Chemistry (S. G. Shore), 1 September 1981 through 31 August 1982. (Project 761767 - Continuation)

\$71,730.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, A Cancer Center Patient Data System, Cancer Research Center and Department of Preventive Medicine (M. D. Keller) and Cancer Research Center (N. A. Reiches), 1 July 1981 through 30 June 1982. (Project 760789 - Continuation)

\$70,962.00 - National Science Foundation, Washington, D. C., Characterization of Abscisic Acid-Resistant Plant Cell Culture, Department of Botany (J. R. Wong), 1 July 1981 through 30 June 1983. (Project 762727 - New)

\$69,554.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Environmental Health Sciences, Bethesda, Maryland, The Enzymology of Mercury Detoxification, College of Pharmacy (J. W. Williams), 1 July 1981 through 30 June 1982. (Project 762733 - New)

\$68,400.00 - Department of the Army, Natick Research and Development Command, Natick, Massachusetts, TCM Replacement, Department of Civil Engineering (O. Sproul and A. Rubin), 21 May 1981 through 21 May 1983. (Project 762682 - New)

\$68,268.00 - Department of Health and Human Services, Public Health Service, Bureau of Community Health Services, Rockville, Maryland, Development and Validation of an Interdisciplinary Screening Tool, Nisonger Center for Mental Retardation (W. E. Loadman and F. A. Benson), 1 October 1981 through 30 September 1982. (Project 762390 - Continuation)

\$67,500.00 - National Science Foundation, Washington, D. C., Rainfall Studies Using the Differential Reflectivity Radar Techniques, Department of Electrical Engineering (T. A. Seliga and V. N. Bringi), 1 June 1981 through 31 August 1981. (Project 762445 - Continuation)

\$66,858.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Neurological and Communicative Disorders and Stroke, Bethesda, Maryland, Amphetamine, Monoamines, and Behavior, College of Pharmacy (N. J. Uretsky), 1 July 1981 through 30 June 1982. (Project 761210 - Continuation)

September 4, 1981 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

\$65,000.00 - National Aeronautics and Space Administration, Goddard Space Flight Center, Greenbelt, Maryland, Advanced Studies for the Geodynamics Program, Department of Geodetic Science (I. I. Mueller), 1 July 1981 through 31 January 1983. (Project 761054 - Continuation)

\$64,990.00 - Department of the Army, Army Research Office, Research Triangle Park, North Carolina, The Effects of Atmospheric Water Vapor on Infrared Propagation, Department of Electrical Engineering, ElectroScience Laboratory (E. Damon and R. Long), 1 June 1981 through 30 November 1981. (Project 762674 - New)

\$64,000.00 - National Science Foundation, Washington, D. C., Low Temperature Electronic Properties of Conducting Solids, Department of Physics (J. C. Garland), 1 July 1981 through 30 June 1982. (Project 762691 - Continuation)

\$63,797.00 - Department of Health and Human Services, Public Health Service, Food and Drug Administration, Rockville, Maryland, The Veterinary Drug Experience Reporting Program, Department of Veterinary Clinical Sciences (P. W. Murdick), 27 June 1981 through 26 June 1982. (Project 762689 - New)

\$62,801.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Clinical Cancer Education Program, Department of Surgery (G. J. Cerilli), 1 July 1981 through 30 June 1982. (Project 761412 - Continuation)

\$62,765.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Child Health and Human Development, Bethesda, Maryland, Studies of Seminal Plasma Immune Response Inhibitor, Department of Medical Microbiology and Immunology (C. Prakash), 1 May 1981 through 30 April 1982. (Project 762167 - Continuation)

\$62,184.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Heart, Lung and Blood Institute, Bethesda, Maryland, Cardiopulmonary Actions: Trimetoquinol Analogs, College of Pharmacy (D. D. Miller and D. R. Feller), 1 July 1981 through 30 June 1982. (Project 761574 - Continuation)

\$61,215.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Heart, Lung and Blood Institute, Bethesda, Maryland, Energy Output and Efficiency of Left Ventricle, Department of Physiology (H. P. Pieper), 1 July 1981 through 30 June 1982. (Project 764403 - Continuation)

September 4, 1981 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

\$60,966.00 - Department of Agriculture, Washington, D. C., Institution Support from the Animal Health and Disease Research Act of 1977, College of Veterinary Medicine - Administration (R. A. Wright), Department of Veterinary Preventive Medicine (W. P. Heuschele), and Department of Veterinary Pathobiology (R. Olsen and L. Nagode), 1 March 1981 through 30 September 1981. (Project 762621 - Continuation)

\$59,133.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Heart, Lung and Blood Institute, Bethesda, Maryland, Human Thrombin: Binding and Recognition Sites, Department of Chemistry (L. J. Berliner), 1 July 1981 through 30 June 1982. (Project 761742 - Continuation)

\$57,593.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Library of Medicine, Bethesda, Maryland, Biomedical Computing and Information Processing, College of Medicine - Administration (G. L. Trzebiatowski), 1 July 1981 through 30 June 1982. (Project 761133 - Continuation)

\$57,199.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Polymerized Tumor Antigen-Adjuvant Immunotherapy, Cancer Research Center (J. A. Neidhart), 1 July 1981 through 30 June 1982. (Project 761757 - Continuation)

\$55,848.00 - Lawrence Berkeley Laboratory, University of California, Berkeley, California, An Electrochemical and Morphological Study of the Effect of Temperature on the Restructuring and Loss of Capacity of Alkaline Battery Electrodes, Department of Metallurgical Engineering (D. D. Macdonald), 1 July 1981 through 30 April 1982. (Project 762220 - Continuation)

\$55,469.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Heart, Lung and Blood Institute, Bethesda, Maryland, New Spectral Probes in Hemolytic Anemias, Department of Physiological Chemistry (J. O. Alben), 1 July 1981 through 30 June 1982. (Project 760289 - Continuation)

\$53,966.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, An Interpretive Study of Plate and Shell Buckling, Department of Engineering Mechanics (A. W. Leissa), 3 June 1981 through 15 June 1982. (Project 762059 - Continuation)

September 4, 1981 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

\$53,845.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, A Model for Medical Treatments Evaluation, Department of Statistics (E. J. Dudewicz and J. C. Hsu), 1 September 1981 through 31 August 1982. (Project 761814 - Continuation)

\$50,561.00 - National Science Foundation, Washington, D. C., The Utilization of Electrochemical Reactions and Electrochemically Derived Products in Organic Synthesis, Department of Chemistry (J. S. Swenton), 1 September 1981 through 31 August 1982. (Project 762305 - Continuation)

\$50,000.00 - Department of the Army, Army Research Office, Research Triangle Park, North Carolina, Studies on the Syntheses of Boron Hydride Systems, Department of Chemistry (S. G. Shore), 1 July 1981 through 28 February 1982. (Project 762695 - Continuation)

\$50,000.00 - Jet Propulsion Laboratory, California Institute of Technology, Pasadena, California, A Study of the Meteorological Factors in Earth Satellite Propagation, Department of Electrical Engineering, ElectroScience Laboratory (C. A. Levis and D. B. Hodge), 12 March 1981 through 12 June 1981. (Project 762612 - New)

\$50,000.00 - Jet Propulsion Laboratory, California Institute of Technology, Pasadena, California, A Study of the Meteorological Factors in Earth Satellite Propagation, Department of Electrical Engineering, ElectroScience Laboratory (C. A. Levis and D. B. Hodge), 13 June 1981 through 12 September 1981. (Project 762612 - Continuation)

\$50,000.00 - National Science Foundation, Washington D. C., Paleoclimatic Ice Cored Records from the Tropical Quelccaya Ice Cap, Institute of Polar Studies (D. H. Elliot and L. G. Thompson), 1 June 1981 through 31 May 1982. (Project 762663 - New)

\$49,072.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, Flavoenzyme Mechanisms: Redox and Non-Redox Reactions, Department of Chemistry (M. S. Jorns), 1 July 1981 through 30 June 1982. (Project 764374 - Continuation)

\$48,573.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, Stereochemistry of Adenylyl Transfer Reactions, Department of Chemistry (M.-D. Tsai), 1 July 1981 through 30 June 1982. (Project 762722 - New)

September 4, 1981 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

\$45,247.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Neurological and Communicative Disorders and Stroke, Bethesda, Maryland, Role of Axoplasmic Transport in Diabetic Neuropathy, Department of Medicine (J. R. Mendell), 1 July 1981 through 30 June 1982. (Project 761706 - Continuation)

\$45,178.00 - National Science Foundation, Washington, D. C., Predator-Mediated Competition, Department of Zoology (R. A. Stein and G. G. Mettelbach), 15 June 1981 through 31 December 1982. (Project 762677 - New)

\$42,125.00 - Department of Transportation, National Highway Traffic Safety Administration, Vehicle Research and Test Center, East Liberty, Ohio, Laboratory Reconstruction of Pedestrian Accidents, Department of Mechanical Engineering (D. A. Guenther), 1 July 1981 through 30 June 1982. (Project 762688 - New)

\$40,000.00 - Department of the Air Force, Headquarters, Aeronautical Systems Division (AFSC), Wright-Patterson AFB, Ohio, Data Processing of Radar Measurements, Department of Electrical Engineering, ElectroScience Laboratory (A. A. Ksienski, E. K. Walton, and R. Caldecott), 1 May 1981 through 30 September 1981. (Project 762649 - New)

\$40,000.00 - Department of the Interior, Office of Surface Mining, Washington, D. C., Scholarship/Fellowship Grant for Mining and Mineral Resources and Research Institute, Engineering Experiment Station (C. Konya), 1 July 1981 through 30 June 1982. (Project 762747 - New)

\$39,618.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Neurological and Communicative Disorders and Stroke, Bethesda, Maryland, Graduate Training in Biochemical Neuropathology, Department of Physiological Chemistry (L. A. Horrocks), 1 July 1981 through 30 June 1982. (Project 760708 - Continuation)

\$39,472.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, Norpace Kinetics and Bioavailability in Heart Failure, College of Pharmacy (J. J. Lima), Department of Medicine (R. Lewis), and College of Medicine - Administration (C. Leier), 1 July 1981 through 30 June 1982. (Project 762271 - Continuation)

\$38,167.00 - Department of Health and Human Services, Public Health Service, Alcohol, Drug Abuse and Mental Health Administration, Rockville, Maryland, Psychiatry (Child) Residency, Department of Psychiatry (L. E. Arnold), 1 July 1981 through 30 June 1982. (Project 761764 - Continuation)

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

\$37,669.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Neurological and Communicative Disorders and Stroke, Bethesda, Maryland, Energetics of a Ca^{2+} Cycling During Muscle Contraction, Department of Physiology (J. A. Rall), 1 July 1981 through 30 June 1982. (Project 761174 - Continuation)

\$35,100.00 - National Science Foundation, Washington, D. C., Equipment for Nuclear Astrophysics Measurements, Department of Physics (R. N. Boyd), 1 July 1981 through 30 June 1982. (Project 762675 - New)

\$35,000.00 - National Science Foundation, Washington, D. C., Stereochemistry of Enzyme Reactions Involving a Pro-prochiral Phosphorous Center, Department of Chemistry (M.-D. Tsai), 1 July 1981 through 30 June 1982. (Project 762698 - New)

\$30,000.00 - Department of the Navy, Naval Air Station, Pensacola, Florida, Clinical Evaluation of Active Head Oscillation Test, Department of Otolaryngology (C. W. Stockwell), 5 May 1981 through 1 July 1982. (Project 762681 - New)

\$30,000.00 - International Development Cooperation Agency, Agency for International Development, Washington, D. C., A Cooperative Agreement Between the Rural Development Office, Technical Assistant Bureau, Agency for International Development, and Agricultural Economics and Rural Sociology, The Ohio State University, Department of Agricultural Economics and Rural Sociology (D. H. Boyne and D. W. Adams), 1 October 1980 through 30 September 1981. (Project 760927 - Continuation)

\$26,900.00 - Department of the Interior, Fish and Wildlife Service, Washington, D. C., Population Dynamics of White Perch (*Morone Americana*) in Lake Erie, Department of Zoology (T. J. Peterle, F. J. Margraf, and R. F. Carline), 1 April 1981 through 31 March 1982. (Project 762625 - New)

\$25,000.00 - Department of the Army, Headquarters U. S. Army Communications-Electronics Command and Fort Monmouth, Fort Monmouth, New Jersey, Computer Communication Protocols for Advanced Communication Systems, Department of Computer and Information Science (M. T. Liu), 1 June 1981 through 31 December 1981. (Project 762718 - New)

\$25,000.00 - National Aeronautics and Space Administration, Ames Research Center, Moffett Field, California, Investigation of Truncation Error Associated with Transonic Full Potential Equation and Optimum Redistribution of Grid Points, Department of Mechanical Engineering (S. Nakamura), 1 July 1981 through 30 June 1982. (Project 760964 - Continuation)

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

\$24,000.00 - National Science Foundation, Washington, D. C., Fucose Synthesis and Utilization in Mammalian Tissue, Department of Biochemistry (G. S. Serif), 1 July 1981 through 30 June 1982. (Project 762042 - Continuation)

\$23,500.00 - National Science Foundation, Washington, D. C., Relativistic Optical Model at Intermediate Energies, Department of Physics (B. C. Clark), 1 July 1981 through 30 June 1983. (Project 762732 - New)

\$22,773.00 - National Endowment for the Humanities, Washington, D. C., A Translation of V. IA. Proppo's *Istoricheskie korni volshebnoi skazki* (The Historic Roots of the Magic Tale), University Libraries (G. K. Beynen), 1 July 1981 through 28 February 1982. (Project 762723 - New)

\$20,563.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Pathogenesis of Preleukemic Aplastic Anemia, Department of Veterinary Pathobiology (E. A. Hoover and P. W. Gasper), 15 June 1981 through 14 June 1982. (Project 762699 - New)

\$19,994.00 - Department of the Navy, Naval Research Laboratory, Washington, D. C., Xenon Probe Laser for Atmospheric Studies, Department of Electrical Engineering, ElectroScience Laboratory (E. Damon and R. Nordstrom), 1 December 1980 through 30 November 1981. (Project 762346 - Continuation)

\$19,600.00 - National Science Foundation, Washington, D. C., Partial Spaces of Higher Dimension: A Combinatorial Study, Department of Mathematics (A. P. Sprague), 1 July 1981 through 30 June 1983. (Project 762735 - New)

\$19,530.00 - Department of Transportation, National Highway Traffic Safety Administration, Vehicle Research and Test Center, East Liberty, Ohio, Three Dimensional Image Processing, Department of Electrical Engineering (H. Hemami), 1 June 1981 through 1 July 1982. (Project 762679 - New)

\$16,000.00 - Department of Education, Grant and Procurement Management Division, Washington, D. C., Evaluation, Testing, and Instruction in the Uses of Teaching Materials for Interdisciplinary Undergraduate Course in "Transnational Approaches to International Studies," Center for International Studies (J. S. Adams) and Department of History (M. Waldman), 1 July 1981 through 30 June 1982. (Project 762168 - Continuation)

\$15,027.00 - National Aeronautics and Space Administration, Ames Research Center, Moffett Field, California, Zero Modules and Inverse System Design, Department of Mathematics (B. F. Wyman), 1 July 1981 through 30 June 1982. (Project 762131 - Continuation)

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

\$14,850.00 - Department of Health and Human Services, Public Health Service, Health Resources Administration, Bureau of Health Professions, Hyattsville, Maryland, Traineeships, Graduate Health Administration Programs, School of Allied Medical Professions (S. F. Loeb), 1 July 1981 through 30 June 1982. (Project 762226 - Continuation)

\$12,740.00 - Department of Transportation, National Highway Traffic Safety Administration, Vehicle Research and Test Center, East Liberty, Ohio, Light Truck Side Structure Evaluation - Accident Environment, Department of Mechanical Engineering (D. A. Guenther), 1 July 1981 through 1 January 1982. (Project 762743 - New)

\$12,027.00 - Department of Transportation, National Highway Traffic Safety Administration, Vehicle Research and Test Center, East Liberty, Ohio, Light Truck Side Structure Evaluation - Component Tests, Department of Mechanical Engineering (D. A. Guenther), 15 June 1981 through 1 January 1982. (Project 762742 - New)

\$8,610.00 - Department of Education, Office of Special Education, Grant and Procurement Management Division, Washington, D. C., The Development of a Curriculum for Pediatric Residents in Handicapping Conditions, Nisonger Center for Mental Retardation (M. J. Guralnick), 1 July 1980 through 30 June 1981. (Project 761774 - Continuation)

\$8,520.00 - National Aeronautics and Space Administration, Lewis Research Center, Cleveland, Ohio, Additional Work on Propeller Aeroacoustic Methodologies - Comparisons of Propeller Performance and Acoustic Analyses with Wind Tunnel and Flight Test Measurements, Department of Aeronautical and Astronautical Engineering (G. Gregorek and K. Korkan), 12 May 1981 through 30 June 1981. (Project 761510 - Continuation)

\$7,669.00 - National Science Foundation, Washington, D. C., Some Problems in Markov Processes and Potential Theory, Department of Mathematics (N. Falkner), 1 July 1981 through 30 June 1982. (Project 762692 - New)

\$7,425.00 - Department of Health and Human Services, Public Health Service, Health Resources Administration, Bureau of Health Professions, Hyattsville, Maryland, Traineeships, Graduate Health Administration Programs, School of Allied Medical Professions (S. F. Loeb), 1 July 1981 through 30 June 1982. (Project 762226 - Continuation)

\$5,700.00 - National Science Foundation, Washington, D. C., Doctoral Dissertation Research in Population Biology, Department of Genetics (C. W. Birky and J. A. Banks), 16 June 1981 through 31 May 1983. (Project 762685 - New)

September 4, 1981 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

\$5,584.00 - National Science Foundation, Washington, D. C., Geometry of Banach Spaces, Department of Mathematics (W. B. Johnson), 1 October 1981 through 30 June 1982. (Project 761663 - Continuation)

\$4,971.49 - Department of Education, National Institute of Education, Washington, D. C., Knowledge Interpretation Program (Educational Equity: Phases I and II), National Center for Research in Vocational Education (R. E. Taylor), 1 October 1978 through 30 June 1980. (Project 761396 - Continuation)

\$4,500.00 - Department of Health and Human Services, Public Health Service, Division of Research Resources, Bethesda, Maryland, Minority High School Student Research Apprentice Program, Office of Minority Affairs (R. T. McDonald), 1 March 1981 through 28 February 1982. (Project 762728 - New)

\$4,500.00 - Department of Health and Human Services, Public Health Service, Division of Research Resources, Bethesda, Maryland, Minority High School Student Research Apprentice Program, Office of Minority Affairs (R. T. McDonald), 1 March 1981 through 28 February 1982. (Project 762729 - New)

\$4,500.00 - Department of Health and Human Services, Public Health Service, Division of Research Resources, Bethesda, Maryland, Minority High School Student Research Apprentice Program, Office of Minority Affairs, (R. T. McDonald), 1 March 1981 through 28 February 1982. (Project 762730 - New)

\$4,500.00 - Department of Health and Human Services, Public Health Service, Division of Research Resources, Bethesda, Maryland, Minority High School Student Research Apprentice Program, Office of Minority Affairs (R. T. McDonald), 1 March 1981 through 28 February 1982. (Project 762731 - New)

\$4,000.00 - National Aeronautics and Space Administration, Goddard Space Flight Center, Greenbelt, Maryland, Further Studies of the UV Spectra of Late-Type Stars, Department of Astronomy (R. F. Wing), 1 July 1981 through 31 May 1982. (Project 761634 - Continuation)

\$1,618.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Heart, Lung and Blood Institute, Bethesda, Maryland, Diabetes-Vitamin E-Vascular Degeneration, Department of Physiological Chemistry (R. V. Panganamala), 1 May 1981 through 30 April 1982. (Project 761628 - Continuation)

\$474.00 - National Science Foundation, Washington, D. C., A Workshop on High Resolution Molecular Spectroscopy in India: Indo-U. S. Program on Science and Technology, New Dehli, Department of Physics (K. N. Rao), 15 May 1981 through 30 April 1982. (Project 762696 - New)

September 4, 1981 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

\$420.00 - Department of Education, Office of Education, Grant and Procurement Management Division, Washington, D. C., Vocational Technical Education Leadership Development, Graduate School - Administration (J. B. LaPidus) and Academic Faculty of Vocational-Technical Education (A. J. Miller), 1 September 1979 through 31 August 1980. (Project 761272 - Continuation)

TOTAL - FEDERAL RESEARCH CONTRACTS/GRANTS **\$5,923,736.49**

State of Ohio Research Contracts/Grants

\$75,000.00 - State of Ohio, Department of Education, Division of Special Education, Worthington, Ohio, Ohio Education Deans' Task Force Project, Academic Faculty for Exceptional Children (T. M. Stephens), 1 June 1981 through 31 May 1982. (Project 762693 - New)

\$64,487.75 - State of Ohio, Department of Health, Columbus, Ohio, The Ohio State University Family Planning Division - Fertility, Department of Obstetrics and Gynecology (F. Zuspan), 1 March 1981 through 31 December 1981. (Project 762533 - Continuation)

\$49,583.00 - State of Ohio, Department of Education, Division of Special Education, Worthington, Ohio, A Statewide Assessment of the Vocational Programs Currently Offered to Handicapped Students and the Major Barriers Impeding Their More Extensive Availability, National Center for Research in Vocational Education (R. E. Taylor), 15 May 1981 through 30 October 1981. (Project 762690 - New)

\$23,616.00 - State of Ohio, Department of Natural Resources, Division of Wildlife, Columbus, Ohio, Yellow Perch Parasite Research, Department of Zoology (J. L. Crites) and Center for Lake Erie Area Research (J. M. Reutter), 1 July 1981 through 30 June 1982. (Project 762192 - Continuation)

\$17,863.33 - State of Ohio, Department of Health, Columbus, Ohio, The Ohio State University Family Planning Division - Infertility, Department of Obstetrics and Gynecology (M. Kim), 1 March 1981 through 31 December 1981. (Project 762534 - Continuation)

\$12,594.00 - State of Ohio, Department of Health, Columbus, Ohio, The Ohio State University Family Planning Division - Fertility, Department of Obstetrics and Gynecology (F. Zuspan), 1 January 1981 through 28 February 1981. (Project 762744 - Continuation)

September 4, 1981 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

State of Ohio Research Contracts/Grants (contd)

\$10,496.00 - The Ohio Board of Regents, Columbus, Ohio, CETA-Higher Education Linkage Program: Coordination and Research, Academic Faculty of Labor and Human Resources (M. E. Borus), 1 July 1981 through 30 September 1981. (Project 762379 - Continuation)

\$3,968.00 - The Ohio Board of Regents, Columbus, Ohio, Coordination of Allied Health Education Programs, School of Allied Medical Professions (S. C. Upp and D. C. Broski), 1 July 1981 through 30 September 1981. (Project 761399 - Continuation)

\$3,712.00 - State of Ohio, Department of Health, Columbus, Ohio, The Ohio State University Family Planning Division - Infertility, Department of Obstetrics and Gynecology (M. Kim), 1 January 1981 through 28 February 1981. (Project 762745 - Continuation)

TOTAL - STATE OF OHIO RESEARCH CONTRACTS/GRANTS \$ 261,320.08

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

\$179,615.00 - CPC International, Inc., Englewood Cliffs, New Jersey, Stabilization of Cloning Vectors in HV-2 Host Vector Systems of *Bacillus subtilis*, Department of Microbiology (D. H. Dean), 1 July 1981 through 30 June 1983. (Project 761554 - Continuation)

\$147,762.00 - Boeing Aerospace Company, Seattle, Washington, MX Physical Security System, Department of Electrical Engineering, ElectroScience Laboratory (J. Young, D. Moffatt, and J. Richmond), 5 March 1981 through 14 August 1981. (Project 762606 - New)

\$134,100.00 - World Health Organization, Geneva, Switzerland, Evaluation of Active Immunization with Synthetic Peptides of hCG as a Fertility Control Method, Department of Obstetrics and Gynecology (V. C. Stevens), 1 July 1981 through 30 June 1982. (Project 760113 - Continuation)

\$58,742.00 - United Cerebral Palsy Research and Education Foundations, Inc., New York, New York, Effect of Phenobarbital on Developing Rat Brain, Department of Pharmacology (S. A. Tjioe), 1 July 1981 through 30 June 1983. (Project 761948 - Continuation)

\$56,865.00 - Pennwalt Corporation, Rochester, New York, Insect Cell Culture, Department of Entomology (W. F. Hink), 1 May 1981 through 30 April 1982. (Project 762159 - Continuation)

September 4, 1981 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

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

\$55,359.00 - The Aerospace Corporation, Los Angeles, California, Evaluation of Design Candidate Antenna, Department of Electrical Engineering, Electro-Science Laboratory (R. C. Rudduck), 1 April 1981 through 30 June 1982. (Project 762637 - Continuation)

\$49,738.00 - Exxon Education Foundation, New York, New York, Reflective Teaching Film, Academic Faculty of Educational Foundations and Research (D. Cruickshank), 1 July 1981 through 30 June 1982. (Project 762686 - New)

\$49,215.00 - University of Minnesota, St. Paul, Minnesota, Schools and Adolescent Development, Department of Psychology (D. Blyth), 1 June 1981 through 31 December 1981. (Project 762683 - New)

\$40,771.00 - Elsa U. Pardee Foundation, Midland, Michigan, Neutron Capture Therapy with Boronated Monoclonal Antibody, Department of Pathology (R. F. Barth), 1 June 1981 through 31 May 1982. (Project 762734 - New)

\$38,298.00 - Southeastern Center for Electrical Engineering Education, St. Cloud, Florida, Develop and Apply GTD Analytical Techniques to Study Antenna Pattern on the EF-111A A/C, Department of Electrical Engineering, ElectroScience Laboratory (W. D. Burnside), 25 May 1981 through 30 September 1981. (Project 762737 - New)

\$30,000.00 - Council on Legal Education Opportunity, Washington, D. C., Regional Summer Institute for Minority/Disadvantaged Law School Applicants, College of Law (L. Pernel), 3 June 1981 through 30 October 1981. (Project 762712 - New)

\$27,390.00 - American Heart Association, Inc., Dallas, Texas, Peripheral Circulation: Neural Control in Normal and SHR Rats, Department of Physiology (J. A. Boulant), 1 September 1981 through 31 August 1982. (Project 762709 - New)

\$25,080.00 - American Heart Association, Inc., Dallas, Texas, Biochemical and Structural Analysis of Cardiac Z-Line, Department of Veterinary Anatomy (M. Yamaguchi), 1 July 1981 through 30 June 1982. (Project 762325 - Continuation)

\$20,628.00 - San Diego State University Foundation, San Diego, California, Field and Laboratory Investigations of Soils at Eagle Creek and Other Selected Areas, Institute of Polar Studies and Department of Agronomy (K. R. Everett), 1 May 1981 through 30 April 1982. (Project 762338 - Continuation)

\$18,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Autonomic Regulation of Myocardial Metabolism, Department of Physiological Chemistry (F. A. Kruger), 1 October 1981 through 30 September 1982. (Project 762724 - New)

September 4, 1981 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

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

\$18,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Electrophysiological and Mechanical Effects of pr- and bu-MDI's in Normal and Infarcted Dog Heart, Department of Veterinary Physiology and Pharmacology (W. H. Muir) and College of Pharmacy (R. G. Rahwan), 1 October 1981 through 30 September 1982. (Project 762719 - New)

\$18,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Hypertensive Peptides from Pre-Eclamptic Placentas, Department of Physiology (J. J. Curry), 1 October 1981 through 30 September 1982. (Project 762239 - Continuation)

\$18,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Platelet Endothelial Interaction Hypertension Atherosclerosis, Department of Physiological Chemistry (R. V. Panganamala), 1 October 1981 through 30 September 1982. (Project 762703 - New)

\$17,872.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Effects of Drugs and Pathophysiology on Regional Perfusion, Department of Medicine and College of Medicine - Administration (R. H. Strauss), 1 October 1981 through 30 September 1982. (Project 762713 - New)

\$17,796.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Localization of Calcium in Isolated Heart Cells, Department of Veterinary Pathobiology (C. Capen) and Department of Physiological Chemistry (R. Altschuld), 1 October 1981 through 30 September 1982. (Project 762707 - New)

\$16,405.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Electrophysiologic Effects of Caffeine, Department of Medicine (S. F. Schaal and R. M. Greenberg), 1 October 1981 through 30 September 1982. (Project 762716 - New)

\$16,380.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Active Changes in the Characteristic Impedance of the Aorta, Department of Physiology (J.-P. Dujardin), 1 October 1981 through 30 September 1982. (Project 762706 - New)

\$14,833.00 - Merck and Company, Rahway, New Jersey, Parasite Control Program for Dairy Replacement Heifers Using Ivermectin, Department of Veterinary Pathobiology (R. P. Herd) and Department of Veterinary Preventive Medicine (L. E. Heider), 1 May 1981 through 30 April 1982. (Project 762697 - New)

September 4, 1981 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

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

\$12,821.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Potential Sources of Oxygen for the Endocardium, Department of Veterinary Physiology and Pharmacology (R. L. Hamlin), 1 October 1980 through 30 September 1982. (Project 762705 - New)

\$12,400.00 - Research Corporation, New York, New York, Polarized Low Temperature Spectroscopy of Organically Bridged Metal-Metal Bonds, Department of Chemistry (B. E. Bursten), 1 April 1981 through 30 June 1982. (Project 762717 - New)

\$12,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Effect of Enzyme Inhibition on Kinetics of Antiarrhythmics, College of Pharmacy (J. J. MacKichan), 1 July 1981 through 30 June 1982. (Project 762678 - New)

\$12,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Electrophysiologic Effects of Ethanol in Dog Hearts, Department of Veterinary Physiology and Pharmacology (S. M. McGuirk) and Department of Veterinary Physiology and Pharmacology and Department of Veterinary Clinical Sciences (W. W. Muir), 1 October 1981 through 30 September 1982. (Project 762711 - New)

\$12,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, I.V. Isosorbide Dinitrate in Acute Congestive Heart Failure, Department of Medicine (R. D. Magorien), 1 July 1981 through 30 June 1982. (Project 762714 - New)

\$12,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Intracellular O₂ Availability in Contracting Muscle, Department of Physiology (E. W. Kanabus), 1 July 1981 through 30 June 1982. (Project 762710 - New)

\$12,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Radionuclide Localization of Ventricular Ectopy, Departments of Medicine and Radiology (T. M. Bashore), 1 October 1981 through 30 September 1982. (Project 762704 - New)

\$11,979.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Immunological Exploration in Eu-Actinin: Myocardial Rod Body, Department of Veterinary Anatomy (M. Yamaguchi), 1 October 1981 through 30 September 1982. (Project 762708 - New)

September 4, 1981 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

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

\$11,381.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Origin of Respiratory Blood Pressure Waves in Chickens, Department of Physiology (A. L. Kunz), 1 October 1981 through 30 September 1982. (Project 762715 - New)

\$10,000.00 - Rockwell International, North American Aircraft Division, Los Angeles, California, Radar Cross Section of Aircraft/Avionics Systems, Department of Electrical Engineering, ElectroScience Laboratory (L. Peters and W. D. Burnside), 1 May 1981 through 30 May 1981. (Project 762563 - Continuation)

\$9,346.00 - Merck and Company, Rahway, New Jersey, Efficacy of Ivermectin for Control of Swine Scabies: Relative Value of Prefarrowing Treatment of Sows and Weaning Treatment of Baby Pigs, Department of Veterinary Pathobiology (C. H. Courtney) and Department of Veterinary Preventive Medicine (W. L. Ingalls), 1 March 1981 through 28 February 1982. (Project 762680 - New)

\$7,200.00 - The National Reye's Syndrome Foundation, Inc., Bryan, Ohio, Chemical Markers of Reye's Syndrome, Department of Pharmacology (B. Andresen), 1 July 1981 through 30 June 1983. (Project 762287 - Continuation)

\$6,000.00 - SME Manufacturing Engineering Education Foundation, Dearborn, Michigan, Mathematical Modeling of Manufacturing Processes, Department of Industrial and Systems Engineering (R. S. Ahluwalia), 1 May 1981 through 30 April 1982. (Project 762702 - New)

\$5,624.00 - Chemical Abstracts Service, Columbus, Ohio, Design and Evaluation of Procedures for Optimizing Human Performance in an On-Line Data Retrieval System, Department of Psychology (H. Shulman), 12 June 1981 through 31 December 1981. (Project 762213 - Continuation)

\$3,807.00 - Ribbon Technology Corporation, Canal Winchester, Ohio, Oxidation Characteristics of Melt Extracted Alloy, Department of Metallurgical Engineering (C. E. Mobley), 1 July 1981 through 15 September 1981. (Project 762701 - New)

\$2,842.00 - Southeastern Ohio Technical Education Consortium, Nelsonville, Ohio, Cooperative Agreement - The Ohio State University Research Foundation and The Southeastern Ohio Technical Education Consortium, Cooperative Extension Service - State Operations (C. J. Cunningham) and College of Agriculture and Home Economics - Administration (H. Bauman), 30 March 1981 through 30 June 1981. (Project 762676 - New)

\$1,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Neural Control of the Peripheral Circulation, Department of Physiology (J. Bouland and D. O. Nelson), 1 July 1981 through 31 July 1981. (Project 762096 - Continuation)

September 4, 1981 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

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

\$134.00 - Illinois Community College Trustee Association, Springfield, Illinois, Technical Assistance, National Center for Research in Vocational Education (R. E. Taylor), 1 June 1981 through 30 June 1981. (Project 768035 - New)

\$15.10 - Milwaukee Area Technical College, Milwaukee, Wisconsin, National Alliance of Postsecondary Education/Institutions Districts, National Center for Research in Vocational Education (R. E. Taylor), 1 June 1981 through 30 June 1981. (Project 761599 - Continuation)

TOTAL - INDUSTRIAL, PRIVATE, AND OTHER NON-FEDERAL RESEARCH CONTRACTS/GRANTS **\$1,223,398.10**

ENGINEERING EXPERIMENT STATION

Federal Sponsored Research and Development

\$2,500.00 - U. S. Department of the Interior, Geological Survey, Reston, Virginia, development project, Department of City and Regional Planning.

State Sponsored Research and Development

\$63,680.00 - State of Ohio, Department of Transportation, Columbus, Ohio, Research in Analytical Photogrammetry in Application to Transportation Surveys, Department of Geodetic Science and Surveying, July 1, 1981 through June 30, 1982. (EES 529652)

\$1,685.00 - Transportation Research Center of Ohio, East Liberty, Ohio, development project, Department of Mechanical Engineering.

TOTAL - STATE SPONSORED RESEARCH AND DEVELOPMENT **\$ 65,365.00**

Industry and Other Sponsored Research and Development

\$161,251.00 - various sponsors for 49 projects under the direction of seven engineering departments.

September 4, 1981 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND

Gifts of \$5,000 or More

\$67,000.00 - General Motors Foundation, Inc., Detroit, Michigan--\$13,000.00 for Capital Campaign Mechanical Engineering Fund; \$11,000.00 for Capital Campaign Electrical Engineering Fund; \$8,000.00 for Capital Campaign Industrial and Systems Engineering Fund; \$7,000.00 for Capital Campaign Chemical Engineering Fund; \$6,000.00 for Engineering Mechanics Chairman's Discretionary Fund; \$6,000.00 for Capital Campaign Welding Engineering Fund; \$6,000.00 for College of Engineering Special Fund; \$5,000.00 for Capital Campaign Metallurgical Engineering Fund; and \$5,000.00 for Capital Campaign Engineering Graphics Fund.

\$40,000.00 - The Bremer Foundation, Youngstown, Ohio, for The Bremer Foundation Fund.

\$29,375.00 - Glaxo, Inc., Fort Lauderdale, Florida, for Gastrointestinal Cancer Research Fund.

\$25,000.00 - Gardinier, Inc., Tampa, Florida, for Endowed Professorship in Plant Protection.

\$21,624.31 - Retinal Consultants, Inc., Columbus, Ohio--\$19,547.30 for Retina Research Fund and \$2,077.01 for Ophthalmology Photography Fund.

\$20,938.00 - Mrs. Ruth J. Wilson, Westerville, Ohio, for James Hay and Ruth Jansson Wilson Professorship in Cardiology Fund.

\$20,000.00 - Borden Foundation, Inc., Columbus, Ohio, for Student Athlete Grant-in-Aid Fund.

\$15,687.19 - American Medical Association, Chicago, Illinois, for Faculty Seminar on Medical Education.

\$15,268.00 - Battelle Memorial Institute, Columbus, Ohio--\$10,268.00 for WOSU Support Fund and \$5,000.00 for Mechanical Engineering Coal Combustion Laboratory Fund.

\$15,000.00 - Oncology Immunology Lab, Columbus, Ohio (given in the name of Dr. John P. Minton), for Cancer Research Fund.

\$13,091.63 - University Eye Surgeons, Inc., Columbus, Ohio, for Eye Bank Fund.

\$12,000.00 - Schering Corporation, Kenilworth, New Jersey, for Ocular Infections Research Fund.

\$11,834.38 - Systems Associates, Inc., Columbus, Ohio, for Cardiology Support Fund.

September 4, 1981 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

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

\$10,934.00 - IBM, Tarrytown, New York, for Department of Physics IBM Minority Fellowship Fund.

\$10,000.00 - International Minerals and Chemicals Corporation, Mundelein, Illinois, for Endowed Professorship in Plant Protection.

\$10,000.00 - Kaiser Aluminum and Chemical Corporation, Oakland, California, for Kaiser Aluminum Scholarship Program.

\$9,000.00 - Central Ohio Center for Economic Education, Columbus, Ohio, for Center for Economic Education.

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

\$7,435.20 - Ives Laboratories, Inc., New York, New York, for Cardiovascular Research Fund.

\$7,000.00 - Financial Credit Life Insurance Company, Columbus, Ohio (given in the names of Gordon Y. Boyd, Lloyd L. Osborne, Sr., Lloyd L. Osborne, Jr., Lewis K. Osborne, III, James B. Osborne, Louis G. Rymer, and Robert G. Jack), for Ophthalmology Teaching Fund.

\$7,000.00 - Ohio Florists' Association, Columbus, Ohio, for Ohio Florists Association Special Fund.

\$6,535.00 - Neurosurgical Consultants, Inc., Columbus, Ohio, for Neurosurgery Fund.

\$6,258.00 - The Columbus Zoo Association, Powell, Ohio, for Columbus Zoo Animal Health Fellowship.

\$6,000.00 - AccuRay Corporation, Columbus, Ohio, for Student Athlete Grant-in-Aid Fund.

\$6,000.00 - SCOA Foundation, Inc., Columbus, Ohio, for Student Athlete Grant-in-Aid Fund.

\$6,000.00 - Schottenstein Stores Corporation, Columbus, Ohio, for Graduate School Minority Recruiting Program Fund.

\$5,693.33 - Wyeth Labs, Philadelphia, Pennsylvania, for Menopausal Patient Follow-up Project.

September 4, 1981 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

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

\$5,000.00 - Anonymous Donor, for Ohio State University Campaign for China Exchange.

\$5,000.00 - Ashland Oil, Inc., Ashland, Kentucky, for Student Athlete Grant-in-Aid Fund.

\$5,000.00 - Estate Under the Will of Gladys Branegan Chalkley, LaJolla, California, for Gladys Branegan Fellowship Fund.

\$5,000.00 - George F. Lonz Foundation, Middle Bass, Ohio, for George F. Lonz Foundation for Enology and Viticulture.

\$5,000.00 - Mid-Ohio Chemical Company, Inc., Washington C. H., Ohio--\$4,500.00 for Endowed Professorship in Plant Protection and \$500.00 for Student Athlete Grant-in-Aid Fund.

\$5,000.00 - Dr. M. Henry Speck, Youngstown, Ohio, for Drs. M. Henry and Myron E. Speck Fund.

Gifts-in-Kind

\$9,704.00 - Frederick G. Ruffner, Detroit, Michigan, gift of books.

\$5,716.50 - Robert T. Ewing Charitable Trust, Monroe, Michigan (444 shares La-Z-Boy Chair Company stock), for College of Medicine Progress Fund.

\$5,000.00 - The Doody Company, Columbus, Ohio, MBA Lounge Furniture.

Establishment of Named Funds

The Bernice B. Ross Memorial Scholarship Fund for Music

The Bernice B. Ross Memorial Scholarship Fund for Music was established September 4, 1981, by the Board of Trustees of The Ohio State University with a gift to The Ohio State University Development Fund from Mr. Gene P. Dragonette of Huntsville, Ohio.

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

The annual income is to be awarded to one or more talented undergraduate students in the School of Music. Recipients will be determined by the established procedures within the School of Music, with approval by the Director of the School of Music, who will also approve requisitions for payment.

September 4, 1981 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

Establishment of Named Funds (contd)

The Bernice B. Ross Memorial Scholarship Fund for Music (contd)

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

The Castor Memorial Scholarship Fund

The Castor Memorial Scholarship Fund was established September 4, 1981, by the Board of Trustees of The Ohio State University with a gift from Lawrence B. Leiby, CDR USN (Ret), B.A. '40, in honor and memory of his uncle and grandmother, William W. and Louisa Castor.

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

Ten percent (10%) of the annual income is to be used to add to the principal of the scholarship. The remaining ninety percent (90%) of the annual income is to be used to provide one or more scholarships for undergraduate students who are above average and have financial need. The students are to be enrolled at the Agricultural Technical Institute, Wooster, Ohio. The scholarship is to be awarded to those students who are residents of Wayne County with preference given to those of Clinton Township who are in attendance at the Agricultural Technical Institute campus. The scholarships are renewable for so long as the student maintains the appropriate academic and need criteria.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purposes whatsoever as determined by the appropriate administrative official of the University who is then directly responsible for scholarships in consultation with the Director of the Agricultural Technical Institute.

The William W. and Louisa Castor Memorial Award Fund

The William W. and Louisa Castor Memorial Award Fund was established September 4, 1981, by the Board of Trustees of The Ohio State University with a gift from Lawrence B. Leiby, CDR USN (Ret), B.A. '40, of Shreve, Ohio, in honor and memory of his uncle and grandmother, William W. and Louisa Castor.

This bequest is to be invested in the University's investment portfolio under the rules and regulations adopted by the Board of Trustees of The Ohio State University with the right to invest and reinvest as occasion dictates.

September 4, 1981 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

Establishment of Named Funds (contd)

The William W. and Louisa Castor Memorial Award Fund (contd)

Ten percent (10%) of the annual income is to be applied to the principal each year with the remaining ninety percent (90%) of the income used to provide awards in geology and mineralogy to the most deserving graduate student(s) as determined by the department chairman and the appropriate committee. A portion of that income may also be used specifically in the utilization of aerial reconnaissance materials in the investigation of strategic materials as appropriate and/or to provide a lectureship in mineral resources and/or to develop a library of satellite imagery.

Should the need for these awards and other provisions cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for education in geology and mineralogy.

Bill Zipf 4-H Memorial Scholarship

The Bill Zipf 4-H Memorial Scholarship was established September 4, 1981, by the Board of Trustees of The Ohio State University with a gift from the Columbus Dispatch Charities in memory of Bill Zipf.

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

The annual income is to be used to provide an undergraduate scholarship to a sophomore, junior or senior majoring in agricultural communications in the College of Agriculture and Home Economics or in journalism in the School of Journalism. Student recipients must be a member or former member of 4-H and will be selected by the University Committee on Student Financial Aids based on the recommendations of the scholarship committee of either the College of Agriculture and Home Economics or the School of Journalism.

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

September 4, 1981 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

Establishment of Named Funds (contd)

Richards Farms Scholarship in Agricultural Economics and Rural Sociology

The Richards Farms Scholarship in Agricultural Economics and Rural Sociology was established September 4, 1981, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from Richards Farms.

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

The income is to be used to provide undergraduate scholarships in the Department of Agricultural Economics and Rural Sociology of the College of Agriculture and Home Economics. Preference will be given to a student majoring in agribusiness. Recipients will be selected by the University Committee on Student Financial Aids based on the recommendation of the Scholarship Committee of the College of Agriculture and Home Economics.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income from the fund may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to the appropriate official of the University who is then directly responsible for the agricultural curricula at The Ohio State University.

The Tzagournis Teaching and Research Fund

The Tzagournis Teaching and Research Fund was established September 4, 1981, by the Board of Trustees of The Ohio State University with a bequest to The Ohio State University Development Fund from Donald C. Power, B.S. '22, LL.B. '26, M.A. '27, of Columbus, Ohio.

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

The annual income is to be used to support endocrinology students' research, teaching and patient care in the College of Medicine. Requisitions for the use of the funds will be approved by the Dean of the College of Medicine.

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

September 4, 1981 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

Establishment of Named Funds (contd)

The Kalmbach Family Scholarship Fund

The Kalmbach Family Scholarship Fund was established September 4, 1981, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from the Kalmbach family.

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

The annual income from the fund principal is to be used to provide one or more scholarships for students in the College of Agriculture and Home Economics. Preference will be given to students from Wyandot County, Ohio, who have expressed an interest in or are enrolled in a major in agricultural economics, animal science, dairy science, or poultry science. The selection of the recipient shall be made by the University Committee on Student Financial Aids based upon the recommendation from the Dean or Assistant Dean for Student Affairs in the College of Agriculture.

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

Change Name of Named Fund

Baba Memorial Fellowship in Pathology Fund*

The Department of Pathology Educational and Research Discretionary Fund was established June 11, 1981, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from the faculty and friends of the Department of Pathology, College of Medicine.

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

The annual income is to be used to provide one or more fellowships for pathology resident physicians who wish to pursue an additional one- or two-year program in research and education at The Ohio State University leading to eligibility for the examinations of Special Competence of the American Board of Pathology. The Department is authorized to invade the principal amount of the endowment if necessary. The selection of the recipients is to be made upon the recommendation of the Department Chairman and the Dean of the College of Medicine.

Should the need for these pathology fellowships cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the Chairman of the Department of Pathology in the College of Medicine.

* Formerly Department of Pathology Educational and Research Discretionary Fund.

September 4, 1981 meeting, Board of Trustees

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

OFFICE OF BUSINESS AND ADMINISTRATION

Federal Research Contract/Grant

\$41,572.00 - Department of Health and Human Services, Public Health Service, Bureau of Health Professions, Division of Nursing, Bethesda, Maryland, Nursing Capitation Grant Program, School of Nursing, July 1, 1981 through June 30, 1982. (Grant No. 5 E04 NU01080-10)

State of Ohio Research Contracts/Grants

\$1,161,844.10 - State of Ohio, Department of Education, Division of Vocational Education, Columbus, Ohio, Trade and Industrial Education and Support Services, Academic Faculty of Vocational-Technical Education, July 1, 1981 through June 30, 1982.

\$520,715.76 - State of Ohio, Department of Education, Division of Vocational Education, Columbus, Ohio, Teacher Education and Special Services in Vocational Agriculture, Department of Agricultural Education, July 1, 1981 through June 30, 1982.

\$286,507.96 - State of Ohio, Department of Education, Division of Vocational Education, Columbus, Ohio, Teacher Education and Special Services - Home Economics, School of Home Economics, July 1, 1981 through June 30, 1982.

\$271,235.47 - State of Ohio, Department of Education, Division of Vocational Education, Columbus, Ohio, Research, Survey, Evaluation and Exemplary Programs, Department of Agricultural Education, July 1, 1981 through June 30, 1982.

\$269,763.74 - State of Ohio, Department of Education, Division of Vocational Education, Columbus, Ohio, Distributive Education Teacher Education and Support Services, Academic Faculty of Vocational-Technical Education, July 1, 1981 through June 30, 1982.

\$124,529.48 - State of Ohio, Department of Education, Division of Vocational Education, Columbus, Ohio, Vocational Guidance and Support Services, Academic Faculty of Vocational-Technical Education, July 1, 1981 through June 30, 1982.

\$122,339.60 - State of Ohio, Department of Education, Division of Vocational Education, Columbus, Ohio, Business and Office Teacher Education and Support Services, Academic Faculty of Vocational-Technical Education, July 1, 1981 through June 30, 1982.

TOTAL - STATE OF OHIO RESEARCH CONTRACTS/GRANTS

\$2,756,936.11

September 4, 1981 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION

Federal Research Contracts/Grants

\$1,498,945.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, OSU Comprehensive Cancer Center Support (Core) Grant - Administration, Cancer Research Center (D. S. Yohn), 1 July 1981 through 30 June 1982. (Project 763976 - Continuation)

\$478,100.00 - Environmental Protection Agency, Washington, D. C., Information Collection, Analysis and Dissemination, Academic Faculty of Science and Mathematics Education (R. W. Howe), 1 November 1981 through 15 July 1984. (Project 762767 - Continuation)

\$137,000.00 - Department of Health and Human Services, Public Health Service, Health Resources Administration, Bureau of Health Professions, Division of Nursing, Hyattsville, Maryland, Women's Health Research Program, School of Nursing (J. S. Stevenson), 1 July 1981 through 30 June 1982. (Project 762275 - Continuation)

\$113,937.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Radiation Enhancement in Nervous System Tumor Models, Department of Medicine (N. R. Clendenon), 1 September 1981 through 31 August 1982. (Project 764576 - Continuation)

\$111,942.00 - National Science Foundation, Washington, D. C., Study of Modified Carbon/Graphitic Surfaces for Electrocatalysis, Department of Chemistry (T. Kuwana), 15 July 1981 through 31 July 1982. (Project 762782 - New)

\$109,834.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Neuro-oncogenesis by Resorptive Carcinogens, Department of Veterinary Pathobiology (A. Koestner and K. Marushige), 1 July 1981 through 30 June 1982. (Project 762762 - Continuation)

\$108,809.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, Biomimetic Metal Complexes of Macrocyclic Ligands, Department of Chemistry (D. H. Busch), 1 July 1981 through 30 June 1982. (Project 761501 - Continuation)

\$103,800.00 - National Science Foundation, Washington, D. C., Diffusion Driven Boundary Motion in Alloys, Department of Metallurgical Engineering (P. G. Shewmon and G. Meyrick), 1 August 1981 through 31 January 1983. (Project 762784 - New)

September 4, 1981 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

\$96,225.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Neurological and Communicative Disorders and Stroke, Bethesda, Maryland, Glycerophospholipid Metabolism in the Brain, Department of Physiological Chemistry (L. A. Horrocks), 1 August 1981 through 31 July 1982. (Project 760039 - Continuation)

\$92,089.00 - Department of Labor, Employment and Training Administration, Washington, D. C., A Formative Evaluation of the Private Sector Initiative Program and HIRE II, Department of Political Science and Mershon Center for Education in National Security (R. B. Ripley), 1 April 1980 through 30 November 1981. (Project 761515 - Continuation)

\$78,705.00 - National Aeronautics and Space Administration, Lewis Research Center, Cleveland, Ohio, Engineering Calculations for Satellite Systems Planning, Department of Electrical Engineering, ElectroScience Laboratory (C. A. Levis), 15 July 1981 through 15 July 1982. (Project 762552 - Continuation)

\$76,149.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Arthritis, Metabolism and Digestive Diseases, Bethesda, Maryland, Intestinal Secretion: Neurochemical Receptor Mechanisms, College of Pharmacy (T. S. Gaginella), 1 September 1981 through 31 August 1982. (Project 761266 - Continuation)

\$73,246.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, Synthetic Elaboration of Polyquinane Natural Products, Department of Chemistry (L. A. Paquette), 1 July 1981 through 30 June 1982. (Project 762298 - Continuation)

\$67,200.00 - National Science Foundation, Washington, D. C., Gaseous and Aqueous Corrosion of Ceramics, Department of Ceramic Engineering (D. W. Readey), 1 July 1981 through 30 June 1982. (Project 762751 - Continuation)

\$64,460.00 - Department of Energy, Chicago Operations and Regional Offices, Argonne, Illinois, Development of Genetic Systems for Analysis of the Obligate Anaerobe *Methanobacterium ruminatum* PS, Department of Microbiology (J. N. Reeve and J. I. Frea), 1 July 1981 through 30 June 1982. (Project 762755 - New)

\$63,020.00 - National Science Foundation, Washington, D. C., The Development of Brainstem-Spinal Systems Related to Autonomic Control, Pain Modulation and Somatic Motor Activity, Department of Anatomy (G. F. Martin), 1 September 1981 through 31 August 1982. (Project 762278 - Continuation)

September 4, 1981 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

\$61,841.00 - National Science Foundation, Washington, D. C., Glaciology Near Dome "C," East Antarctica, Institute of Polar Studies (I. M. Whillans), 15 July 1981 through 30 June 1982. (Project 762783 - New)

\$58,000.00 - National Science Foundation, Washington, D. C., A Resonance Study of Molecular and Atomic Excitations in the Solid Hydrogens, Department of Physics (J. R. Gaines), 1 July 1981 through 30 June 1982. (Project 762786 - Continuation)

\$57,768.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Bio-transformations of Estrogens and Cancer, College of Pharmacy (R. Brueggemeier), 1 July 1981 through 30 June 1982. (Project 762304 - Continuation)

\$46,025.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Child Health and Human Development, Bethesda, Maryland, Learning in Brain-Damaged Human Infants and Animals, Department of Psychology (G. G. Berntson), 1 July 1981 through 30 June 1982. (Project 762736 - New)

\$42,070.00 - Department of the Air Force, Office of Scientific Research, Bolling Air Force Base, D. C., Chemical Carcinogen (Hydrazine, Polynuclear Hydrocarbon and/or Synthetic Jet Fuel Components) Induced Carcinogenesis of Human Cells *in Vitro*, Department of Physiological Chemistry (G. E. Milo), 1 July 1981 through 30 September 1981. (Project 762178 - Continuation)

\$41,317.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, Mechanisms of Nucleoside Kinase Regulation, Department of Biochemistry (D. H. Ives), 1 July 1981 through 30 June 1982. (Project 761732 - Continuation)

\$39,931.00 - Department of the Army, Cold Regions Research and Engineering Laboratory, Hanover, New Hampshire, Mapping and Response of Soils and Landforms to Environmental Stresses in Northern Alaska, Institute of Polar Studies and Department of Agronomy (K. R. Everett), 1 July 1981 through 30 June 1982. (Project 762749 - New)

\$39,324.00 - Environmental Protection Agency, Washington, D. C., Limnological Investigations of Water Quality and Fish Larvae in Lake Erie, Center for Lake Erie Area Research (C. E. Herdendorf), 15 June 1981 through 30 November 1981. (Project 764440 - Continuation)

September 4, 1981 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

\$39,293.00 - Department of Health and Human Services, Public Health Service, Health Resources Administration, Bureau of Health Professions, Hyattsville, Maryland, Predoctoral Training in Family Medicine, Department of Family Medicine (L. L. Gabel), 1 July 1981 through 30 June 1982. (Project 762756 - New)

\$34,584.00 - Department of the Army, Waterways Experiment Station, Corps of Engineers, Vicksburg, Mississippi, An Experimental Investigation of Mode Coupling Effects Due to Random Perturbations in Ported Coaxial Cable, Department of Electrical Engineering, ElectroScience Laboratory (J. Richmond and R. Garbacz), 16 July 1981 through 30 November 1981. (Project 762219 - Continuation)

\$29,300.00 - National Science Foundation, Washington, D. C., Geometric Topology and Homotopy Theory, Department of Mathematics (D. Burghelea and J. A. Neisendorfer), 1 July 1981 through 30 June 1982. (Project 762777 - Continuation)

\$28,270.00 - Department of Agriculture, Arlington, Virginia, HVT in Cell Proliferation: A Risk Factor in Dissecting Aneurysms, Department of Veterinary Preventive Medicine (J. P. Donahoe) and Department of Microbiology (M. T. Muller), 1 July 1981 through 30 June 1982. (Project 762766 - New)

\$25,400.00 - National Science Foundation, Washington, D. C., Investigations into the Necessary Use of Abstract Set Theory and Constructive Aspects of Algebra, Department of Mathematics (H. M. Friedman and R. L. Smith), 1 July 1981 through 30 June 1982. (Project 762750 - Continuation)

\$24,413.00 - Department of the Air Force, Office of Scientific Research, Bolling Air Force Base, D. C., Molecular Interactions of High Energy Fuels and Jet Fuels with Oncogenic Viruses and Endogenous Viruses, Department of Veterinary Pathobiology (J. Blakeslee), 1 July 1980 through 30 September 1981. (Project 762179 - Continuation)

\$21,234.00 - Department of the Air Force, Office of Scientific Research, Bolling Air Force Base, D. C., Immune Dysfunctions and Abrogation of the Inflammatory Response by Environmental Chemicals, Department of Veterinary Pathobiology (R. G. Olsen), 1 July 1981 through 30 September 1981. (Project 761657 - Continuation)

\$19,950.00 - National Science Foundation, Washington, D. C., Combinatorial Problems and Their Applications, Department of Mathematics (D. K. Ray-Chaudhuri), 1 July 1981 through 30 June 1982. (Project 762779 - Continuation)

September 4, 1981 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

\$15,555.00 - Department of Agriculture, Office of International Cooperation and Development, Washington, D. C., Cooperative Research Linkage for The Ohio State University, Ohio Agricultural Research and Development Center and the University of Sao Paulo, Brazil, College of Agriculture and Home Economics, International Programs in Agriculture (M. G. Smith), 1 July 1981 through 31 August 1981. (Project 762420 - Continuation)

\$7,834.00 - Department of Transportation, National Highway Traffic Safety Administration, Vehicle Research and Test Center, East Liberty, Ohio, Modeling of a Head Impact Simulator Design, Department of Mechanical Engineering (R. Singh), 1 July 1981 through 30 September 1981. (Project 762757 - New)

\$6,000.00 - National Science Foundation, Washington, D. C., Doctoral Dissertation Research in Systematic Biology, Department of Zoology (T. M. Berra) and Mansfield Campus and Department of Zoology (R. M. Feltes), 15 July 1981 through 31 July 1982. (Project 762775 - New)

\$5,000.00 - Department of Education, Washington, D. C., The National Center for Research in Vocational Education, National Center for Research in Vocational Education (R. E. Taylor), 1 August 1981 through 31 January 1982. (Project 761008 - Continuation)

\$4,120.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Allergy and Infectious Diseases, Bethesda, Maryland, Polycondensed Alicyclics and Their Antiviral Role, Department of Chemistry (L. A. Paquette), 1 May 1981 through 30 April 1982. (Project 763920 - Continuation)

\$3,151.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Heart, Lung and Blood Institute, Bethesda, Maryland, Energy Output and Efficiency of Left Ventricle, Department of Physiology (H. P. Pieper), 1 July 1981 through 30 June 1982. (Project 764403 - Continuation)

\$2,521.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Heart, Lung and Blood Institute, Bethesda, Maryland, Open Loop Forcing of Chest Volume and CO₂ Concentration, Department of Physiology (A. L. Kunz), 1 April 1981 through 31 March 1982. (Project 761572 - Continuation)

\$2,521.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Arthritis, Metabolism and Digestive Diseases, Bethesda, Maryland, Oxalic Acid Metabolism and Primary Hyperoxaluria, Department of Physiological Chemistry (K. E. Richardson), 1 June 1981 through 31 May 1982. (Project 762720 - Continuation)

September 4, 1981 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

\$1,494.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Immunoprophylaxis and Immunotherapy of Lung Cancer, Department of Microbiology and Cancer Research Center (B. S. Zwilling), 1 August 1980 through 31 March 1982. (Project 760172 - Continuation)

\$86.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Allergy and Infectious Diseases, Bethesda, Maryland, The *in Vivo* Growth of Staphylococci, Department of Medical Microbiology and Immunology (F. A. Kapral), 1 June 1981 through 31 May 1982. (Project 762330 - Continuation)

TOTAL - FEDERAL RESEARCH CONTRACTS/GRANTS **\$3,930,463.00**

State of Ohio Research Contracts/Grants

\$78,400.00 - State of Ohio, Department of Natural Resources, Office of Litter Control, Columbus, Ohio, Litter Control and Recycling Education Program, Cooperative Extension Service - State Operations (P. R. Thomas), 1 July 1981 through 31 December 1981. (Project 762664 - New)

\$50,832.65 - State of Ohio, Department of Education, Vocational and Career Education and School Food Service, Columbus, Ohio, Provision of Technical Assistance to the Ohio Occupational Information Coordinating Committee, Academic Faculty of Labor and Human Resources (S. C. Kelley), 1 July 1981 through 30 June 1982. (Project 762781 - Continuation)

\$21,600.00 - State of Ohio, Department of Education, Division of Special Education, Worthington, Ohio, Ohio Dean's Task Force - Heads of Teacher Education, Academic Faculty for Exceptional Children (T. M. Stephens), 1 June 1981 through 31 May 1982. (Project 762763 - Continuation)

TOTAL - STATE OF OHIO RESEARCH CONTRACTS/GRANTS **\$ 150,832.65**

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

\$97,632.00 - Hannah Neil Center for Children, Columbus, Ohio, Implementing Behavioral Treatment Activities - A Joint Exceptional Children/Physical Education Internship, School of Health, Physical Education and Recreation and Academic Faculty for Exceptional Children (C. L. Mand), 1 July 1981 through 30 June 1982. (Project 762700 - New)

September 4, 1981 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

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

\$42,422.00 - The Standard Oil Company, Cleveland, Ohio, Development of Immunofluorescence Methodology for Sulfate Reducing Bacteria, Department of Microbiology (M. S. Rheins and O. H. Tuovinen), 1 July 1981 through 28 February 1982. (Project 762761 - New)

\$38,257.00 - Adria Laboratories, Inc., Columbus, Ohio, Investigation of the Microbiological Modification of Anthracycline, Department of Microbiology (W. R. Strohl), 1 July 1981 through 30 June 1982. (Project 762765 - New)

\$26,000.00 - Roskam Aviation and Engineering Corporation, Ottawa, Kansas, General Aviation/Airfoil Design and Analysis Center Users' Order - "Airfoil Design Phase III," Department of Aeronautical and Astronautical Engineering (G. M. Gregorek and J. D. Lee), 1 June 1981 through 31 October 1981. (Project 762145 - Continuation)

\$24,730.00 - The Kroc Foundation, Santa Ynez, California, Canine Distemper Virus and Multiple Sclerosis, Department of Veterinary Pathobiology (S. Krakowka), 1 July 1981 through 30 June 1982. (Project 761738 - Continuation)

\$20,000.00 - International Business Machines Corporation, White Plains, New York, Networking Chemical Instrumentation to a Centralized Time-Shared Computer System, College of Pharmacy (C. L. Olson), 1 June 1981 through 31 May 1983. (Project 762771 - New)

\$18,604.00 - American Otological Society, Inc., Bronx, New York, "Otosclerosis: Histochemical Ultrastructural and X-Ray Microanalysis," Department of Otolaryngology (D. J. Lim), 1 July 1981 through 30 June 1982. (Project 762789 - Continuation)

\$18,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Prevention of Cobalt Cardiomyopathy by Beta Adrenergic Blockade, Department of Medicine (D. V. Unverferth), 1 October 1981 through 30 September 1982. (Project 762758 - New)

\$14,000.00 - Lockheed Missiles and Space Company, Sunnyvale, California, Basic Computer Code Development, Department of Electrical Engineering, ElectroScience Laboratory (C. H. Walter and R. J. Marhefka), 30 June 1981 through 23 November 1981. (Project 762661 - Continuation)

\$10,505.00 - International Telecommunications Satellite, Organization "INTELSAT," Washington, D. C., Radar Measurement of Rain Cells, Department of Electrical Engineering, ElectroScience Laboratory (C. H. Walter and C. A. Levis), 28 July 1981 through 19 November 1981. (Project 762080 - Continuation)

September 4, 1981 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

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

\$10,000.00 - North Dakota State School of Science, Wahpeton, North Dakota; Washington State Community College, Spokane, Washington; Kalamazoo Valley Community College, Kalamazoo, Michigan; Bergen Community College, Paramus, New Jersey; and Trident Technical College, Charleston, South Carolina, National Alliance of Postsecondary Education Institutions/Districts, National Center for Research in Vocational Education (R. E. Taylor), 1 July 1981 through 30 June 1982. (Project 761599 - Continuation)

\$10,000.00 - Rockwell International, North American Aircraft Division, Los Angeles, California, Radar Cross Section of Aircraft/Avionics Systems, Department of Electrical Engineering, ElectroScience Laboratory (L. Peters and W. D. Burnside), 1 June 1981 through 30 June 1981. (Project 762563 - Continuation)

\$6,000.00 - American Cancer Society, Ohio Division, Cleveland, Ohio, An *in Vitro* Investigation of the Cytotoxicity of DCF and ARA-A in Normal and Neoplastic Colon Tissue, Department of Medicine and Cancer Research Center (M. R. Grever) and Department of Medicine (D. Gray), 1 July 1981 through 30 June 1982. (Project 762772 - New)

\$6,000.00 - American Cancer Society, Ohio Division, Cleveland, Ohio, Effect of T Lymphocytes on Erythropoiesis in Normal Individuals and Cancer Patients, Department of Medicine (J. R. Rinehart and A. U. Haq), 1 July 1981 through 30 June 1982. (Project 762773 - New)

\$5,999.00 - S. Ames Pence, Walnut Creek, California, Effect of Propolis on Viral Replication, Department of Medical Microbiology and Immunology (J. H. Hughes), 1 July 1981 through 30 June 1982. (Project 762752 - New)

\$5,981.00 - Fort Wayne Area Consortium, Fort Wayne, Indiana, Analysis of Labor Market Information, National Center for Research in Vocational Education (R. E. Taylor), 1 July 1981 through 31 August 1981. (Project 762753 - New)

\$5,956.00 - American Cancer Society, Ohio Division, Cleveland, Ohio, The Role of Complement in Feline Lymphosarcoma, Department of Medicine (E. H. Kraut), 1 July 1981 through 30 June 1982. (Project 762774 - New)

\$2,450.00 - College of the Mainland, Texas City, Texas, Technical Assistance, National Center for Research in Vocational Education (R. E. Taylor), 1 August 1981 through 31 August 1981. (Project 768034 - New)

\$2,419.00 - Union Carbide Corporation, Linde Division, Tarrytown, New York, Feeding Synthetic Zeolites to Broiler Chickens, Department of Poultry Science (D. J. Latshaw), 1 November 1980 through 30 June 1981. (Project 762468 - Continuation)

September 4, 1981 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

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

\$750.00 - Greater Columbus Arts Council, Columbus, Ohio, The OSU Writing Series: From Concept through Production, Office of Academic Affairs, Continuing Education - Non-Credit Programs (J. H. Oshins), 1 June 1981 through 31 December 1981. (Project 762741 - New)

TOTAL - INDUSTRIAL, PRIVATE, AND OTHER NON-FEDERAL RESEARCH CONTRACTS/GRANTS **\$ 366,105.00**

ENGINEERING EXPERIMENT STATION

Industrial and Other Sponsored Research and Development

\$69,390.00 - General Electric Lamp Materials Research Lab, Cleveland, Ohio, New Phosphors, Department of Ceramic Engineering, July 1, 1981 through June 30, 1984. (EES 529626/626X)

\$44,750.00 - International Paper Company, Tuxedo Park, New York, Movable Wall Channel Fiber-Fluid, Department of Chemical Engineering, May 9, 1981 through November 8, 1981. (EES 529086/606X, Extension 1)

\$16,500.00 - Bethlehem Steel Research Center, Bethlehem, Pennsylvania, Kinematics of Iron Oxide Reduction in Coal, Department of Metallurgical Engineering, July 1, 1981 through June 30, 1982. (EES 519089/609X, Extension 1)

\$8,600.00 - American Iron and Steel Institute, Washington, D. C., Columns Braced in Nonprincipal Directions, Department of Civil Engineering, May 1, 1981 through April 30, 1982. (EES 529078/598X, Extension 2)

\$106,135.40 - various industries for 23 development projects supervised by eight departments/research areas.

TOTAL - INDUSTRIAL AND OTHER SPONSORED RESEARCH AND DEVELOPMENT **\$ 245,375.40**

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND

Gifts of \$5,000 or More

\$101,952.00 - Estate Under the Will of John C. Fergus, Columbus, Ohio--
\$50,976.00 for Corwin A. Fergus Memorial Fund and \$50,976.00 for Edith Fergus Gilmore Fund.

September 4, 1981 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

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

\$90,335.68 - Warner and Lora Pomerene Trust, Columbus, Ohio--\$45,167.84 for John W. Bricker Named Professorship in the College of Law and \$45,167.84 for Warner M. and Lora K. Pomerene Fund in Agriculture.

\$80,711.34 - Sidney L. Pressey Trust, Columbus, Ohio, for Sidney L. Pressey Honors Program Fund.

\$74,750.00 - Arthur E. Shepard, Columbus, Ohio (2,000 shares of Alexander and Alexander Services, Inc., stock), for Arthur E. Shepard Designated Professorship in Insurance.

\$50,000.00 - SDRC, Milford, Ohio, for Advanced Design Methods Laboratory--Mechanical Engineering Fund.

\$50,000.00 - The Spencer Foundation, Chicago, Illinois, for Spencer Educational Scholars Fund.

\$50,000.00 - The Standard Oil Company, Cleveland, Ohio, for College of Engineering Campaign.

\$45,000.00 - Estate Under the Will of Helen Sells Clarkson, Columbus, Ohio, for Helen Sells Clarkson Memorial Scholarship Fund.

\$43,446.44 - Louise Orr Scott Foundation, Columbus, Ohio--\$32,584.83 for William Craig Orr and Mary Black Orr Scholarship in Medicine and \$10,861.61 for William Craig Orr and Mary Black Orr Scholarship in Pharmacy.

\$30,271.58 - Estate Under the Will of David R. Soich, Westerville, Ohio, for Presidents Club Special Fund.

\$30,000.00 - Zaner-Bloser, Inc., Columbus, Ohio--\$15,000.00 for Presidents Club Special Fund; \$10,000.00 (given in the name of Dr. Walter B. Barbe) for Education Research Publication Fund; and \$5,000.00 for Faculty for Exceptional Children Support Fund.

\$28,409.56 - University Eye Surgeons, Inc., Columbus, Ohio, for Eye Bank Fund.

\$22,500.00 - Central Ohio Lung Association, Columbus, Ohio, for Pulmonary and Respiratory Care Research Fund.

\$20,000.00 - Ohio State Anesthesia Associates, Inc., Columbus, Ohio, for Anesthesia Research and Enhancement Fund.

September 4, 1981 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

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

\$18,686.00 - A. E. Convers Fund of the Cleveland Foundation, Cleveland, Ohio, for furtherance of extension work in Cuyahoga County.

\$13,875.00 - Mrs. Helen G. Crane, Columbus, Ohio (300 shares of Standard Oil Company stock), for Ophthalmology Center Fund.

\$13,191.43 - Systems Associates, Inc., Columbus, Ohio, for Cardiology Support Fund.

\$12,000.00 - Anderson Clayton Foods, Dallas, Texas, for Anderson Clayton Graduate Fund for Casein Research.

\$11,500.00 - Bethlehem Steel Corporation, Bethlehem, Pennsylvania--\$6,500.00 for Mechanical Engineering Coal Combustion Laboratory Fund and \$5,000.00 for Bethlehem Steel--Senior Projects.

\$11,318.84 - Trust Under the Will of Grace Baldwin, Columbus, Ohio, for Carl M. and Grace C. Baldwin Eye Care Fund.

\$10,800.00 - Dispatch Charities, Inc., Columbus, Ohio--\$10,000.00 for Bill Zipf 4-H Memorial Scholarship and \$800.00 for College of Agriculture and Home Economics Dean's Discretionary Fund.

\$10,000.00 - Ford Motor Company Fund, Dearborn, Michigan, for Advanced Design Methods Laboratory--Mechanical Engineering Fund.

\$10,000.00 - The Merck Company Foundation, Rahway, New Jersey, for Veterinary Pathobiology Research and Development Fund.

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

\$10,000.00 - Owens-Corning Fiberglas Corporation, Granville, Ohio--\$5,000.00 for Owens-Corning Fiberglas Fund and \$5,000.00 for Owens-Corning Fund.

\$10,000.00 - Joseph E. Sudduth, Birmingham, Alabama, for Everett D. Reese Arthritis Research Fund.

\$10,000.00 - The Upjohn Company, Kalamazoo, Michigan, for Infectious Disease Research Fund.

\$9,850.00 - The Ohio State University Women's Club, Columbus, Ohio--\$7,050.00 for University Women's Club Scholarship Fund and \$2,800.00 for University Women's Club Emergency Loan Fund.

September 4, 1981 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

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

\$8,393.83 - Retinal Consultants, Inc., Columbus, Ohio, for Retina Research Fund.

\$7,500.00 - Chevron Research Company, Richmond, California, for Chemistry Research.

\$7,500.00 - Detroit Edison, Detroit, Michigan, for Detroit Edison Fellowship in Electric Power Systems.

\$7,450.75 - Moffitt Royalty Trust, San Antonio, Texas, for Melvin E. Moffitt Memorial Fund.

\$7,000.00 - The Procter & Gamble Company, Cincinnati, Ohio, for Neuromuscular Research Jerry Mendell Fund.

\$6,980.00 - The Pharmaceutical Manufacturers Association Foundation, Inc., Washington, D. C., for P.M.A. Fellowship.

\$6,569.00 - The Bremer Foundation, Youngstown, Ohio, for The Bremer Foundation Fund.

\$6,500.00 - Abbott Laboratories, North Chicago, Illinois, for Laboratory of Work Physiology.

\$6,000.00 - Central Ohio Center for Economic Education, Columbus, Ohio, for Center for Economic Education.

\$5,130.00 - Dr. Michael H. Klapper, Columbus, Ohio, for Department of Chemistry Support Fund.

\$5,095.00 - Ernst & Whinney Foundation, Columbus, Ohio, for Ernst and Ernst Accounting Grant.

\$5,000.00 - Exxon Education Foundation, New York, New York, for Department of Chemical Engineering Support Fund.

\$5,000.00 - Ohio Turfgrass Foundation, Columbus, Ohio, for Bio-Catalytic Soil Conditioners Research Fund.

\$5,000.00 - Shell Development Company, Houston, Texas, for Mechanical Engineering Coal Combustion Laboratory Fund.

September 4, 1981 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

Gifts-in-Kind

\$37,845.00 - Ray Osrin, Cleveland, Ohio, 1,682 Editorial Cartoons.

\$20,000.00 - Meyer Zola, Oak Park, Illinois, 1,560 Yiddish Books.

\$19,500.00 - MTS Systems Corporation, Minneapolis, Minnesota, Electrohydraulic Testing Equipment.

\$6,500.00 - Len Immke Buick, Inc., Columbus, Ohio, 3/4 ton GMC Pickup Truck.

\$5,500.00 - Mrs. Herbert J. Flint, Columbus, Ohio, two Chinese art objects.

Establishment of Named Funds

The Warner M. and Lora Kays Pomerene College of Medicine Research Fund

The Warner M. and Lora Kays Pomerene College of Medicine Research Fund was established September 4, 1981, by the Board of Trustees of The Ohio State University with bequests to The Ohio State University Development Fund from Lora Kays Pomerene, B.S.Edu. '16, and Warner M. Pomerene, B.A. '15, J.D. '17, Coshocton, Ohio.

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

The annual income is to be used to underwrite research projects in the College of Medicine. Research projects will be recommended by the Dean of the College of Medicine and approved by the Vice President for Health Sciences.

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

The Samuel Freifield Endowed Scholarship Fund in Law

The Samuel Freifield Endowed Scholarship Fund in Law was established September 4, 1981, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from friends of Mr. Samuel Freifield of Steubenville, Ohio.

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

September 4, 1981 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

Establishment of Named Funds (contd)

The Samuel Freifield Endowed Scholarship Fund in Law (contd)

The annual income is to be awarded to one or more students in the College of Law. Recipients will be determined by the established procedures within the College of Law, with preference given to students with demonstrated financial need from the Steubenville area.

Should the need for this fund cease to exist or so diminish as to provide unused income, the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the College of Law.

The C. B. and Ardis H. Stewart Scholarship Fund

The C. B. and Ardis H. Stewart Scholarship Fund was established September 4, 1981, by the Board of Trustees of The Ohio State University with a gift to The Ohio State University Development Fund from Dr. and Mrs. John A. Thoms.

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

The annual income will be used to provide one or more full-tuition scholarship(s) to an entering freshman who is a resident of Wood County, Ohio. If at any time the income from this fund is not sufficient to provide at least one annual full-tuition scholarship, the income shall be added to the principal until the fund is again sufficient to provide a full-tuition scholarship. Any unused annual income shall also be added to the principal.

The selection of the recipient(s) will be made by the University Committee on Student Financial Aid based upon recommendations received from any one of the following: County 4-H Agent; the Home Economics Agent; high school principals; or the Wood County Alumni Club. Preference shall be given to students interested in fields of study relating to agriculture or home economics, and who are active in 4-H.

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

September 4, 1981 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

Change Name of Named Fund.

The William G. Cronenwett Memorial Scholarship of Wood County*

The Wood County Scholarship Fund was established May 2, 1980, by the Board of Trustees of The Ohio State University with gifts from alumni and friends of Wood County to The Ohio State University Development Fund.

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

The annual income is to be used to provide one or more scholarships for undergraduate students from Wood County enrolled in The Ohio State University. The selection of the recipient is to be made by the University Committee on Student Financial Aids upon recommendation of a selection committee from the Wood County Alumni Club.

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

* Formerly Wood County Scholarship Fund.

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PLANS AND SPECIFICATIONS

Resolution No. 82-21

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

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

OHIO UNION, REPLACE ELEVATOR

Project:	Installation of new passenger elevator to replace obsolete elevator for which repair parts are no longer available. The new elevator will be complete with handicapped features added.
Funding:	Local University Funds
Estimated Project Cost:	\$115,000.00

September 4, 1981 meeting, Board of Trustees

PLANS AND SPECIFICATIONS (contd)

NOW THEREFORE

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

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

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

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**REPORT OF AWARD OF CONTRACTS AND
ESTABLISHMENT OF CONTINGENCY FUNDS**

Resolution No. 82-22

Synopsis: Contracts have been awarded for the projects listed below to the lowest and best bidders in accordance with University procedures.

WHEREAS resolutions adopted by the Board of Trustees at previous meetings authorized the President and/or Vice President for Business and Administration to sign the plans and specifications and, in accordance with established University procedures, to request bids and, if satisfactory bids were received, to recommend to the Department of Administrative Services, Division of Public Works, the award of contracts for the following projects:

ARPS AND OHIO UNION PARKING RAMPS, MAINTENANCE AND REPAIRS

Description: Repairs necessary due to deterioration of concrete and waterproofing of top decks.

General Contract

Date Received:	July 28, 1981
No. of Bids:	8
Low Bid:	\$186,587.00*
High Bid:	\$282,000.00*
Estimate of Cost:	\$245,252.00*

*Recommended alternates reflected in these figures.

September 4, 1981 meeting, Board of Trustees

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

ARPS AND OHIO UNION PARKING RAMPS, MAINTENANCE AND REPAIRS (contd)

Awarded to: Werner Maintenance & Construction, Inc., Columbus, Ohio
Total Contract: \$186,587.00
Total Contingency Allowance: \$ 14,921.52 which is 8 per cent of construction cost
Total Project Cost: \$219,800.00
Funding: Budget Account 885120 (Traffic and Parking Revenues)

**NATIONAL ENERGY CONSERVATION POLICY ACT (NECPA) TITLE III PROGRAM,
CYCLE I ENERGY CONSERVATION MEASURES - ECM-1
(CAMPBELL, GALVIN-LIMA, HOPKINS, HUGHES, AND SISSON HALLS)**

Description: This work consists primarily of Campbell Hall Conversion of constant volume system to variable air volume system, with modifications to existing air mixing boxes and control of these mixing boxes.

Mechanical Contract

Date Received: June 25, 1981
No. of Bids: 2
Low Bid: \$107,900.00*
High Bid: \$117,730.00*
Estimate of Cost: \$ 92,550.00*
Awarded to: Julian Speer Company, Columbus, Ohio
Total Contract: \$107,900.00
Total Contingency Allowance: \$ 7,071.28 which is 7 per cent of construction contract
Total Project Cost: \$133,905.00
Funding: Federal Funds and Matching State Funds

*Recommended alternates reflected in these figures.

September 4, 1981 meeting, Board of Trustees

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

**ENERGY MODIFICATIONS, PHASE V, PROJECT "B"
(DREESE, ROBINSON, ST. JOHN ARENA, AND SMITH LABORATORY)**

Description: New lighting, variable air volume work, and installation of low leak dampers in Dreese, Robinson, St. John Arena, and Smith Laboratory to continue energy modifications at The Ohio State University. The estimated annual savings will be \$30,000.00 per year in utility costs, with a four-year payback.

Mechanical Contract

Date Received:	July 15, 1981
No. of Bids:	1
Low Bid:	\$ 67,825.00*
Estimate of Cost:	\$ 80,550.00
Awarded to:	J. A. Guy, Inc., Dublin, Ohio

Electrical Contract

Date Received:	July 15, 1981
No. of Bids:	6
Low Bid:	\$ 22,797.00*
High Bid:	\$ 26,940.00*
Estimate of Cost:	\$ 29,300.00*
Awarded to:	Frush & Homan, Inc., Columbus, Ohio

Total All Contracts: \$ 90,622.00

Total Contingency Allowance: \$ 7,599.88 which is 8 per cent of construction contract

Total Project Cost: \$101,914.00

Funding: Budget Account 210134

* Recommended alternates reflected in these figures.

September 4, 1981 meeting, Board of Trustees

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

EXTERIOR PAINTING - 1981, PHASE II

Description: Exterior painting of all previously painted surfaces on: St. John Arena; French Field House; Research Center; Waterman East Barn; Waterman Dairy Barn; Hangars 1, 2, and 3, Don Scott Field; and Fire House, Don Scott Field.

General Contract

Date Received:	July 28, 1981
No. of Bids:	6
Low Bid:	\$ 63,400.00
High Bid:	\$ 78,019.00
Estimate of Cost:	\$ 71,500.00
Awarded to:	W. F. Bolin Company, Inc., Columbus, Ohio
Total Contract:	\$ 63,400.00
Total Contingency Allowance:	\$ 4,318.12 which is 7 per cent of construction contract
Total Project Cost:	\$ 70,000.00
Funding:	Budget Account 885157

**ENERGY CONSERVATION MEASURES, FEDERAL DEPARTMENT OF
ENERGY TITLE III GRANT - MAIN LIBRARY (ECM-4)**

Description: Continued energy conservation modifications to reduce and revise lighting in various areas; provide temperature control sequences consisting of unoccupied cycle control, reset mixed air controllers. Estimated yearly savings will be \$17,566.00 with a two-year ten-month payback.

Mechanical Contract

Date Received:	July 15, 1981
No. of Bids:	1
Low Bid:	\$ 16,200.00*
Estimate of Cost:	\$ 36,400.00*
Awarded to:	J. A. Guy, Inc., Dublin, Ohio

*Recommended alternates reflected in these figures.

September 4, 1981 meeting, Board of Trustees

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

**ENERGY CONSERVATION MEASURES, FEDERAL DEPARTMENT OF
ENERGY TITLE III GRANT - MAIN LIBRARY (ECM-4) (contd)**

Electrical Contract

Date Received:	July 15, 1981
No. of Bids:	4
Low Bid:	\$ 16,586.00*
High Bid:	\$ 18,148.00*
Estimate of Cost:	\$ 13,200.00*
Awarded to:	The Electric Power Equipment Company, Columbus, Ohio
Total All Contracts:	\$ 32,786.00
Total Contingency Allowance:	\$ 9,213.23 which is 28 per cent of construction contract**
Total Project Cost:	\$ 49,540.00
Funding:	Federal Grant - \$24,770.00 Budget Account 885147 - \$24,770.00 Total - \$49,540.00

* Recommended alternates reflected in these figures.

**Contingency includes allowance to provide duty cycling from Control Center in lieu of 2-speed fan motor control bid under Alternates M-1 and E-2 and not accepted because of poor payback.

CONVERSE HALL - ALTERATION OF HEATING SYSTEM

Description: Fin tube hot water radiator units will be added to selected rooms in basement, first floor, second floor, and third floor areas for better temperature control in these rooms. New hot water supply and return lines will be connected to existing mains in the basement of the building.

HVAC Contract

Date Received:	August 12, 1981
No. of Bids:	9
Low Bid:	\$ 16,500.00
High Bid:	\$ 42,295.00
Estimate of Cost:	\$ 25,000.00

September 4, 1981 meeting, Board of Trustees

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

CONVERSE HALL - ALTERATION OF HEATING SYSTEM (contd)

Awarded to: J. A. Croson Plumbing & Heating, Columbus, Ohio
Total Contract: \$ 16,500.00
Total Contingency Allowance: \$ 1,649.00 which is 10 per cent of construction contract
Total Project Cost: \$ 19,454.00
Funding: Budget Account 885127

NOW THEREFORE

BE IT RESOLVED, That pursuant to the actions previously authorized by the Board, the award of contracts and the establishment of project funds and contingency funds for the projects listed above are hereby reported.

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

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SALE OF PROPERTY TO THE INDUSTRIAL COMMISSION OF OHIO

Resolution No. 82-23

Synopsis: A report on the sale of land to the Industrial Commission of Ohio is presented.

WHEREAS the Board of Trustees, in March, 1979, authorized the Administration to negotiate with the Industrial Commission of Ohio for the use of University property as the site for a Rehabilitation Center to be operated by the Commission's Division of Rehabilitation Services; and

WHEREAS as a result of discussions between the University and the Commission, it was determined that the best arrangement would be for the Administrator of the Bureau of Worker's Compensation, acting for the Commission, to purchase the 12.41 acre tract south of the new Veterans Administration Clinic on Kenny Road, and for this purpose a bill was introduced in the General Assembly; and

WHEREAS Amended Senate Bill 50, effective May 8, 1981, authorized the Governor to execute a deed in the name of the State conveying title to the property to the Administrator and provided that the purchase price of \$636,012.50 be deposited in the University's General Fund, and further provided an option to purchase an adjacent 3.74 acre tract, east of the Veterans Administration Clinic, in the event of future expansion of the Rehabilitation Center; and

September 4, 1981 meeting, Board of Trustees

SALE OF PROPERTY TO THE INDUSTRIAL COMMISSION OF OHIO (contd)

WHEREAS pursuant to Amended Senate Bill 50, the Governor has executed a deed conveying title to the 12.41 acre tract to the Administrator for use as the site of the new Rehabilitation Center and the purchase price of \$636,012.50 has been paid to the University and deposited in the University's General Fund:

NOW THEREFORE

BE IT RESOLVED, That this report on the sale of property to the Administrator of the Bureau of Worker's Compensation for use as the site of the new Rehabilitation Center be accepted and filed with the Office of the Secretary of the Board of Trustees.

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

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INVESTMENTS POLICY

Resolution No. 82-24

Synopsis: Adoption of a comprehensive policy governing investments is recommended.

WHEREAS the Board of Trustees, from time to time, has adopted specific policies governing various aspects of the management of the University and endowment investment portfolios; and

WHEREAS there is a need for a comprehensive policy to provide for the overall management of these investment portfolios; and

WHEREAS the proposed University and endowment investments policy has been recommended by the University Administration, in consultation with Legal Counsel, and the Fiscal Affairs Committee:

NOW THEREFORE

BE IT RESOLVED, That the attached Investments Policy for The Ohio State University be adopted by the Board of Trustees; and

BE IT FURTHER RESOLVED, That the University Treasurer be, and hereby is, directed and authorized to implement and administer this Policy and to manage the University and endowment investments portfolios in accordance with this Policy.

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

September 4, 1981 meeting, Board of Trustees

INVESTMENTS POLICY (contd)

Mr. Hilliker:

Mr. Chairman, also at this time I would like to have Dick Jackson report to the Board concerning the status of various notes that the University has in its investment portfolio.

Mr. Jackson:

We have had, over the last several months, a couple of bad--a couple of problems--trying to get out of two investments that the University had made. One was a local investment that was made some years ago and through our lawyers and with our lawyers we have gotten a return on our so-called "B" Notes of the Klingbeil Company and that money has been received in full value and has been invested, and we are very pleased to report that. Secondly, there was another organization called Main Line Fleets, Inc., in which we had actually written off the books and we have actually gotten a partial settlement in the amount of some \$25,000, and we are very pleased to have gotten both of those issues settled and over the hill with both of them.

INVESTMENTS POLICY FOR THE OHIO STATE UNIVERSITY

I. *Goals*

It shall be the policy of The Ohio State University to manage the investment portfolios of the University and the endowment for the use and benefit of the University in a manner that will:

- A. preserve and maintain the real purchasing power of the principal in the portfolios, and
- B. produce a yield which, when compared to the current marketplace, would be described as acceptable by conservative investment managers.

II. *Investment Philosophy*

The endowment portfolio shall be managed with the intention of obtaining the highest possible "total return" (i.e., current income plus net realized and unrealized appreciation) of the investment portfolio, balancing reasonable growth with maintenance of prudently acceptable risk and maximizing income to satisfy the needs of the various endowment funds.

The University portfolio shall be managed with the intention of obtaining the highest possible "current income" for the investment portfolio while adhering to a prudent level of risk.

INVESTMENTS POLICY FOR THE OHIO STATE UNIVERSITY (contd)

III. Definitions

For purposes of this Policy, the endowment investments portfolio ("endowment portfolio") shall include all principal of the Endowment, the various charitable remainder annuity trusts, pooled income funds, unitrusts, all other gifts made to the University and the income produced on these funds. The University investments portfolio ("University portfolio") shall include all non-endowment investments of University funds.

IV. Gains/Losses

It shall be permissible for the University Treasurer to realize losses in any of the portfolios if such an action would be consistent with the University's investment goals. Losses and gains realized on the University portfolio shall be charged or credited against current income. Losses and gains realized on the endowment portfolio shall be debited or credited against the Endowment Gain and Loss Account and are not to be distributed on a current basis.

V. Advisors

It is the policy of the University to utilize the services of external investment advisors to assist in the management of the University and endowment portfolios. The number of advisors and the amount of funds under their aegis shall be determined by the Board of Trustees. The services to be provided by investment advisors shall be specified in written agreements.

VI. Limitations

- A. Not more than 10% of the University portfolio nor more than 10% of the endowment portfolio shall be concentrated in any particular industry. Certificates of deposit in banks and savings and loans shall not be deemed as an investment in the banking or savings and loan industry. Since the total amount of funds held in the University and endowment portfolios fluctuate on a day-to-day basis, the percentage concentration test shall not be monitored daily on existing investments. Rather, the test of any industry shall be made as of the date that an investment is made.
- B. Endowment investments directly in any foreign country shall be made only if specifically authorized by the Vice President for Business and Administration and the Fiscal Affairs Committee. No University investments shall be made in any foreign country. No monies in either the University or endowment portfolios shall be invested in corporations headquartered outside the United States.
- C. Not less than 30% nor more than 70% of the endowment portfolio shall be invested in common stocks. Additionally, not less than 30% nor more than 70% of the endowment portfolio shall be invested in fixed-income

INVESTMENTS POLICY FOR THE OHIO STATE UNIVERSITY (contd)

securities. For purposes of this limitation, the amounts recommended to be maintained in short-term investments by the equity advisors and by the fixed income advisors shall be considered as invested in common stocks or fixed-income securities, respectively, as long as those funds are committed to be invested in common stocks or fixed-income securities.

- D. The stock held by the Mutual Funds owned by the endowment shall not be considered in computing the industry concentration limitations.
- E. The directors, trustees, and administrators of the various funds of the University and endowment may specify terms and conditions that are more restrictive than those of this Policy but shall not permit a less restrictive policy without specific authorization from the Board of Trustees.
- F. The quality rating guidelines which are to be used shall be the ratings as of the date of the purchase of the security. If a rating change occurs which disqualifies a security that is already present in one of the University's portfolios, the following procedures are to be implemented:
 - 1. If the security is a short-term investment (to mature within one year from the date of the rating change), no action is required and the security may be held to maturity.
 - 2. If the security is a long-term investment (maturity exceeds one year from the date of the rating change), the security must be sold within sixty days from the discovery of the rating change.

VII. *Marketability*

Securities purchased by the University and endowment may be listed on the New York, American or other exchange or be unlisted and traded over-the-counter provided that all securities purchased shall be readily marketable and meet the quality guidelines of this Policy. Investments that have no ready market that are gifts to the University shall be accepted if, as determined by the Vice President for Business and Administration and the University Treasurer, acceptance is in the best interest of the University.

VIII. *Social Responsibility*

All investments of the University and the endowment portfolios must comply with the policy of the Board of Trustees approved April 7, 1978 (included as Exhibit "A") regarding social and employment policies of corporations. Proxies shall be voted in accordance with the above policy.

IX. *Authorized Investments*

The following categories of investments shall be authorized for the endowment and/or the University portfolios as indicated.

INVESTMENTS POLICY FOR THE OHIO STATE UNIVERSITY (contd)

A. Commercial Paper (endowment only)

1. If the maturity of the paper does not exceed 60 days from the date of purchase, the following quality and amount limitations shall apply:
 - Rated A-1 (Standard and Poor's) and P-1 (Moody's), not more than \$3,000,000.
 - Rated A-1 and not rated by Moody's, not more than \$3,000,000.
 - Not rated by Standard and Poor's and rated P-1, not more than \$3,000,000.
 - Rated A-1 and P-2, not more than \$1,000,000.
 - Rated A-2 and P-1, not more than \$1,000,000.

2. If the term is greater than 60 days, but less than 270 days, the following limitations shall apply:
 - a. An amount not to exceed \$3,000,000 in any corporation rated A-1 and P-1 and whose long-term debt is rated AA (Moody's) or better, or whose parent company guarantees 100% of the commercial paper of its subsidiary.
 - b. An amount not to exceed \$3,000,000 in any corporation rated either A-1 and not rated by Moody's, or P-1 and not rated by Standard and Poor's, and whose long-term debt is rated AA or better or whose parent company debt rating is AA or better if that parent company guarantees 100% of the commercial paper of its subsidiary.
 - c. An amount not to exceed \$1,000,000 in any corporation rated A-1 and P-2, or A-2 and P-1, and whose long-term debt is rated A (Moody's) or better or whose parent company debt rating is A or better if that parent company guarantees 100% of the commercial paper of its subsidiary.

3. No commercial paper may be purchased with a term greater than 270 days.

4. The total of commercial paper, certificates of deposit, and banker's acceptances in one institution may not exceed \$3,000,000 (up to \$9,000,000 if the amount exceeding \$3,000,000 is in certificates of deposit that are 100% collateralized at their market value). Demand accounts shall not be included in this calculation.

INVESTMENTS POLICY FOR THE OHIO STATE UNIVERSITY (contd)

5. The total investment in commercial paper shall not exceed \$50 million.
 6. See Section VI, paragraphs A and B for industry concentration and foreign corporation limitations.
- B. Banker's Acceptances (endowment only)**
1. An amount not to exceed \$3,000,000 in any bank that is rated C or better by Keefe.
 2. The total of commercial paper, certificates of deposit and banker's acceptances in one institution shall not exceed \$3,000,000 (up to \$9,000,000 if the amount exceeding \$3,000,000 is in certificates of deposit that are 100% collateralized at their market value). Demand accounts shall not be included in this calculation.
 3. No banker's acceptances shall be purchased with a term greater than 270 days.
- C. Eurodollars (endowment only)**
1. An amount not to exceed \$3,000,000 in banks or subsidiaries of banks rated C or better by Keefe.
 2. No Eurodollars shall be purchased with a term greater than one year.
- D. Corporate Bonds (endowment only)**
1. An amount not to exceed \$1,000,000 may be invested in the long-term debt instruments of any one company. Not more than 10% of the endowment shall be invested in any particular industry.
 2. Bonds shall be A rated or better.
 3. No corporate bonds shall be purchased with a term greater than 40 years.
- E. Common Stock and Preferred Stock (endowment only)**
- An amount not to exceed 3% of the outstanding shares of a company may be purchased. Not more than 10% of the endowment portfolio shall be invested in any particular industry. All stock shall be of investment grade.

INVESTMENTS POLICY FOR THE OHIO STATE UNIVERSITY (contd)

F. Mutual Funds (endowment only)

The investment in any particular fund shall not exceed 5% of the total endowment. Investment in any fund shall not exceed 5% of the total funds of the mutual fund. All mutual funds shall be of investment grade.

G. Real Estate (endowment only)

Investments in real estate shall be made only upon specific authorization of the Board of Trustees.

H. Municipal or State Bonds (University and endowment)

1. An amount not to exceed \$1,000,000 in any one municipality or state (except that there shall be no limit on OSU or OSU-related bonds).
2. Bonds shall be A rated or better (except that there shall be no limitation on OSU or OSU-related bonds).
3. No bonds shall be purchased with a term greater than 30 years.

I. Certificates of Deposit (University and endowment)

1. Collateralized at market value (University and endowment)

Not to exceed \$6,000,000 in any Ohio bank authorized in Section 135.03 Ohio Revised Code which is rated C or better by Keeffe or any Ohio savings and loan authorized in Section 135.03 Ohio Revised Code whose return on average net assets according to Kaplan and Smith's publication of Ohio Savings and Loans and whose net worth as a percentage of assets according to Sheshunoff's publication of all savings and loans in Ohio rank in the top two-thirds of the savings and loans in Ohio, provided the amount not federally insured is collateralized as provided in Section 135.18 of the Ohio Revised Code with securities eligible under Section 135.18 (B).

2. Uncollateralized (endowment only)

Not to exceed \$3,000,000 in any bank or savings and loan located in the United States if uncollateralized and the bank is rated C or better by Keeffe or the savings and loan's return on average net assets according to Kaplan and Smith's publication of savings and loans and net worth as a percentage of assets according to Sheshunoff's publication of all savings and loans rank in the top two-thirds of the savings and loans in the United States.

INVESTMENTS POLICY FOR THE OHIO STATE UNIVERSITY (contd)

3. The total of commercial paper, certificates of deposit, and banker's acceptances in one institution may not exceed \$3,000,000 (up to \$9,000,000 if the amount exceeding \$3,000,000 is in certificates of deposit that are 100% collateralized at their market value). Demand accounts shall not be included in this calculation.
4. No certificate of deposit shall have a term exceeding one year unless approved by the Vice President for Business and Administration and the Fiscal Affairs Committee.

J. U. S. Treasury Bills, Notes and Bonds (University and endowment)

No limitations on amount invested or term.

K. U. S. Government Agencies (University and endowment)

No limitations on amount invested or term.

L. Repurchase Agreements (University and endowment)

1. Uncollateralized (endowment only)

There shall be no limitations on the amount invested in this vehicle provided the term of the agreement shall not exceed 30 days.

2. Collateralized at Market Value (University and endowment)

There shall be no limitations on the amount invested in this vehicle provided the term of the agreement shall not exceed 30 days and is 100% collateralized at market value by U. S. Government securities.

M. Reverse Repurchase Agreements and Forward Commitments (University and endowment)

1. An amount not to exceed \$3,000,000 may be committed under any reverse repurchase agreement or any commitment to buy U. S. Treasury or U. S. Government Agency instruments at any one time.
2. The length of the commitment may not exceed 90 days.

N. Other Investments (University and endowment)

Between meetings of the Board of Trustees, if deemed advisable, other investments not specifically authorized by this Policy may be made if approved by the Vice President for Business and Administration and the Fiscal Affairs Committee. Any such action shall be taken to the Board of Trustees at its next meeting for approval.

September 4, 1981 meeting, Board of Trustees

INVESTMENTS POLICY FOR THE OHIO STATE UNIVERSITY (contd)

X. *Management of Investments*

Except as provided herein, the University Treasurer shall be authorized to implement and administer this Policy on behalf of the Board of Trustees and manage the University and endowment portfolios in accordance with this Policy.

XI. *Effective Date*

It is understood that some of the current holdings may not meet the terms of this Policy on the date it becomes effective. Those holdings not in compliance may be maintained until the University Treasurer determines that sale would be in the best interests of the University or endowment. Any such current investments not in compliance with this Policy still held by the University or endowment six months after the effective date of this Policy shall be referred to the Fiscal Affairs Committee for a final decision as to disposition.

XII. *Exceptions*

Modifications and exceptions to this Policy shall be authorized only by resolution of the Board of Trustees or as provided herein. The terms and conditions of this Policy as to the endowment portfolio may be waived if specified by the terms of a gift and approved by the Board of Trustees.

XIII. *Reporting and Accountability*

The University Treasurer shall be accountable to the Board of Trustees for implementing this Policy. The University Treasurer shall make a written report to the Fiscal Affairs Committee at each regular meeting on the status of the University and endowment portfolios, and the Fiscal Affairs Committee shall report not less frequently than quarterly to the Board of Trustees.

April 7, 1978 meeting, Board of Trustees

EXHIBIT "A"

**REPORT - FISCAL AFFAIRS COMMITTEE
UNIVERSITY INVESTMENT PORTFOLIO**

Mr. Devenow, Chairman of the Fiscal Affairs Committee, read the following statement as prepared by Mr. John F. Havens.

At your request and on behalf of this committee, I have spent the past several months working directly with Dr. Moulton reviewing our endowment investments as well as the policies relating to these investments. During this period I believe we have effected a number of constructive changes in our holdings which have substantially strengthened our position. Certainly the recent performance of our mutual funds, the Chicago Corporation stocks, and the stocks managed by the University have performed very favorably when compared to the current market. Dr. Moulton and I, with the assistance of an investments committee which he has

September 4, 1981 meeting, Board of Trustees

EXHIBIT "A" (contd)

**REPORT - FISCAL AFFAIRS COMMITTEE
UNIVERSITY INVESTMENT PORTFOLIO (contd)**

Mr. Devenow: (contd)

formed, are now looking into our bond holdings in the endowment. We are presently in the process of interviewing bond counsel, and we hope to be able to make a recommendation to you in this regard in the next month or two.

At this time I would like to present to you several policy recommendations relating to our endowment investments for your consideration. The first relates to the size of our individual investments in the endowment.

Because of the present size of the portfolio--approximately \$60 million--I would recommend that a limit of approximately \$1 million be placed on our investments in any one corporation including its subsidiaries. Exceptions, of course, can be made by this committee to this rule. Further, I would not include within this specific policy investments in mutual funds and U. S. Treasury or Federal Agencies. At the same time, I would recommend a limit of approximately five per cent be placed on our portion of the total investment within a given corporation, including its subsidiaries. Mutual funds should be included within this policy.

I hope to be back to you in the near future with a recommendation on the matter of quality indices for our bond holdings which we are presently reviewing.

I would also like to suggest some further extensions of the general policies adopted by this board in July of last year, relating to investments in corporations conducting a significant level of business activity in South Africa.

First, I wish to recommend that we communicate to those corporations in which we have investments our full support of the Sullivan Principles. Further, in those limited cases where the companies in which we have an investment have not as yet subscribed to these principles, we determine what these corporations' intent is in this regard. Based upon this information, and subsequent evaluations as to the economic progress and/or the lack thereof that each of the corporations in which we have an investment is making in implementing these principles, we will, if we do not believe it is sufficiently substantial, divest such holdings at a time of our choosing.

Second, I would recommend that we not purchase investments in any corporation not supporting the Sullivan Principles which has been listed in *News for Investors* published by the Investor Responsibility Research Center, Inc., as a corporation conducting a significant level of business in South Africa.

At the same time we continue to vote our stock proxies in full support of the Sullivan Principles and, where possible, support the reduction in the level of the business activities in South Africa.

September 4, 1981 meeting, Board of Trustees

EXHIBIT "A" (contd)

SULLIVAN PRINCIPLES

The "Sullivan Principles," a statement of principles governing activities in South Africa, was drawn up under the direction of Reverend Leon Sullivan, a member of the Board of Directors of General Motors.¹ Each corporation which agrees to adhere to the principles is committed to the following:

- * non-segregation of the races in all eating, comfort and work facilities;
- * equal and fair employment practices for all employees;
- * equal pay for all employees doing equal or comparable work for the same period of time;
- * the initiation and development of training programs that will prepare, in substantial numbers, blacks and other non-whites for supervisory, administrative, clerical and technical jobs;
- * an increase in the numbers of blacks and other non-whites in management and supervisory positions; and
- * improvement in the quality of employees' lives outside the work environment in such areas as housing, transportation, schooling, recreation and health facilities.

¹Source: U. S. Business and S. A.: The Withdrawal Issue; Special Report 1977-D, November, 1977. (Investor Responsibility Research Center, Inc.)

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

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UNIVERSITY HOSPITALS BOARD BYLAWS

Resolution No. 82-25

Synopsis: Amendment to University Hospitals Board Bylaws is proposed.

WHEREAS pursuant to rule 3335-103-01 of the Administrative Code, the Board of Trustees is authorized to amend the *University Hospitals Board Bylaws*; and

WHEREAS after a careful study of the *University Hospitals Board Bylaws*, as approved by the Board of Trustees on May 2, 1980, an amendment is recommended; and

WHEREAS paragraph (B) of rule 3335-97-05 is modified to increase the number of members on the Hospitals Facilities Committee from four to five:

September 4, 1981 meeting, Board of Trustees

UNIVERSITY HOSPITALS BOARD BYLAWS (contd)

NOW THEREFORE

BE IT RESOLVED, That the amendment as recommended by the University Hospitals Board on August 7, 1981 be approved.

3335-97-05 Hospital facilities committee.

- (A) Purpose. The committee shall monitor the condition of the hospitals facilities and shall have the responsibility for planning and recommending additions, alterations, repair, and maintenance.
- (B) Composition. The committee shall consist of five board members, appointed annually by the chairman of the board, one of whom shall serve as chairman of the committee; the Ohio state university vice president for health sciences or designee; the Ohio state university vice president for finance and planning or designee; the Ohio state university vice president for business and administration or designee; the medical director of the hospitals or designee; and the chief of medical staff or designee.
- (C) Meetings. The committee shall meet at the call of the chairman as often as is necessary to perform its duties. (B/T 5/2/80, B/T 11/7/80, B/T 9/4/81)

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

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TRAVEL REIMBURSEMENT

Resolution No. 82-26

Synopsis: Changes in policy regarding reimbursement for out-of-state travel are recommended.

WHEREAS the Board of Trustees has authority to establish policy and reimbursement rates governing travel outside Ohio by University personnel on official business; and

WHEREAS an increase in the current reimbursement rates for out-of-state travel is deemed necessary to properly reimburse University personnel traveling outside Ohio on University business:

NOW THEREFORE

BE IT RESOLVED, That the Board of Trustees adopt the revised out-of-state travel reimbursement rates which are on file in the Office of the Board of Trustees; and

September 4, 1981 meeting, Board of Trustees

TRAVEL REIMBURSEMENT (contd)

BE IT FURTHER RESOLVED, That as further changes in these lodging, meal, and mileage rates are deemed necessary from time to time, revised out-of-state reimbursement rates be incorporated into the Fees and Charges of The Ohio State University Budget and submitted to the Board for approval.

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

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**AGREEMENT WITH THE OHIO BOARD OF REGENTS FOR THE OPERATION
OF THE RESEARCH AND GRADUATE EDUCATION FACILITY
AT THE TRANSPORTATION RESEARCH CENTER OF OHIO**

Resolution No. 82-27

Synopsis: Request for authorization to enter into an agreement with the Ohio Board of Regents for the operation of the research and graduate education facility at the Transportation Research Center of Ohio.

WHEREAS the Board of Regents has requested that The Ohio State University enter into a contract with the Regents for the purpose of continuing the management of the research and graduate education facility at the Transportation Research Center of Ohio for the benefit of all institutions of higher education in the State of Ohio; and

WHEREAS this contract provides that The Ohio State University will be responsible for convening an Advisory Board comprised of deans of the engineering colleges of the state-assisted and private colleges in Ohio for the purpose of consulting on matters relating to control and management of this facility:

NOW THEREFORE

BE IT RESOLVED, That the President and/or Vice President for Business and Administration of The Ohio State University be authorized to enter into such an agreement with the Ohio Board of Regents for the operation of the research and graduate education facility located at the Transportation Research Center of Ohio, East Liberty, Ohio, for the period July 1, 1981 through June 30, 1983.

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

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September 4, 1981 meeting, Board of Trustees

**ACCESSION OF PROPERTY - 1.82 ACRES ADJACENT TO THE
MANSFIELD REGIONAL CAMPUS, RICHLAND COUNTY, OHIO**

Resolution No. 82-28

Synopsis: Accession of 1.82 acres adjacent to the Mansfield Regional Campus is proposed.

WHEREAS the University has been provided with an opportunity to acquire 1.82 acres of land on the south side of State Route 39 in Richland County, Ohio, and situated northwest of, and adjacent to, the main entrance of the Mansfield Regional Campus; and

WHEREAS the property has been acquired by the Mansfield University Foundation through equal contributions of Foundation funds and funds from Mr. John B. Conard, and the Mansfield University Foundation has offered to make a gift of the property to the University through the Development Fund; and

WHEREAS it has been determined that accepting this gift is in the best interests of the University and the Mansfield Regional Campus:

NOW THEREFORE

BE IT RESOLVED, That the property be accepted as a gift to the University through the Development Fund from the Mansfield University Foundation by the Foundation's conveyance by General Warranty Deed to the Board of Trustees of The Ohio State University; and

BE IT FURTHER RESOLVED, That the President and/or Vice President for Business and Administration be authorized to acquire title to the property in the name of the Board of Trustees of The Ohio State University.

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

Mr. Devenow:

You might say that that is quite an important thing for Board members that weren't here this morning. That is a piece of property that has access to our Mansfield campus, and we were always nervous about whether somebody was going to do something that might damage the appearance of that campus. Fortunately, now we have got that as a gift and let's thank John Mount; this was a great coup in our favor.

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REPORT - UNIVERSITY'S INVESTMENT PORTFOLIO

Resolution No. 82-29

RESOLVED, That the report on the University's Investment Portfolio, dated August 21, 1981, as submitted to the Fiscal Affairs Committee of the Board of Trustees, be received and filed with the official records of the Board.

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September 4, 1981 meeting, Board of Trustees

REPORT - FACULTY COUNCIL (UNIVERSITY SENATE)

President Jennings:

Mr. Chairman, Professor Mike Gerald is here. He is currently Chairman of the Faculty Council and would like to say a few words to this Board.

Professor Michael C. Gerald:

Thank you President Jennings. Mr. Chairman, Distinguished Members of the Board, Colleagues, and Loyal Friends of The Ohio State University--I sincerely appreciate the opportunity to join you this afternoon.

When I accepted the opportunity to chat with you this afternoon, implicitly, I also accepted the challenge offered to me by one of my colleagues to keep my remarks brief. As an individual who has been a professor at this University for about a dozen years, this is going to be indeed a formidable challenge to me.

On behalf of the faculty, I wish to congratulate the Presidential Search Committee for identifying and the Board of Trustees for selecting Dr. Edward Jennings to serve as the 10th president of our University. Your choice of this outstanding academic administrator and scholar has been warmly applauded and is strongly supported by our faculty. We believe that he amply possesses those vital professional and personal attributes required to rally and unite all elements of the University community--our students, faculty, staff, and alumni--during this immediate critical period and in the coming years ahead.

Dr. Jennings, the faculty welcomes you to The Ohio State University and hopes that you, your wife, and your sons find abundant happiness and personal and professional satisfaction during your many years here in Columbus.

Our Colleges of Administrative Sciences, Agriculture, Education, Engineering, Pharmacy, and Veterinary Medicine, among many others, have been ranked by their respective peers to be among the very best such educational institutions in the nation. Administrators, students, and faculty have all richly and generously contributed to the well-deserved preeminent reputations of these colleges and to the overall excellent standing of our University among national and international scholars. However, in the absence of significant legislative assistance, we are concerned about the continued intellectual viability of this state's greatest resource.

Our administrators have worked to foster the educational process and search for new knowledge. They have effectively and judiciously allocated funds invested by the Ohio General Assembly in today's young people--people who will apply their education acquired here at Ohio State to help shape the destiny of our state and the nation well into the 21st century. The cost of such an education at this state University must continue to remain within the reach of all academically qualified Ohioans and should not create an insurmountable economic barrier for all but the affluent.

September 4, 1981 meeting, Board of Trustees

REPORT - FACULTY COUNCIL (UNIVERSITY SENATE) (contd)

Professor Michael C. Gerald: (contd)

Our University would precipitously grind to a halt without our talented administrators and would clearly lack a *raison d'être* in the absence of a student body. However, the intellectual survival of this University and its stature in the academic community are primarily dependent upon the quality of its faculty and the products of their scholarly endeavors. The faculty of The Ohio State University has had a long and distinguished record for expanding the boundaries of knowledge in all fields of academic inquiry and for also providing solutions to practical problems facing us as citizens of the local community, our state, and the nation.

I hope at some opportunity in the future I will have a chance to expand upon that aspect of my remarks.

President Jennings, on behalf of the entire University faculty, once again, I wish to welcome you and reaffirm our strong desire to assist you in fulfilling the missions of this great University. Mr. Devenow, we are equally committed to serving you and your colleagues who so generously serve as members of our Board.

Thank you for permitting this opportunity to address you today.

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REMARKS - PRESIDENT JENNINGS

Mr. Chairman, let me just make a few remarks. Scholars have often said that the most important part of any job is its beginning. Now I'll say that I am in a very real sense at the beginning of my work here at Ohio State.

I want all of you to know that I am proud and privileged to be a part of this magnificent enterprise. Ohio State is undoubtedly an outstanding institution whose greatness stems, in large part, from its rich history and traditions of teaching, research and public service to the citizens of Ohio, the nation and indeed the world.

Soon after I accepted the offer of this Board, I remarked about the quality associated with Ohio State. In my few days here I have been learning first-hand about that quality in many areas of this institution, but most importantly in our faculty, our staff and our students.

The heart of our university is its faculty and Ohio State can be proud that it truly has one of the best. I have been impressed with their competence, their dedication to teaching and scholarly activity, and to the service they provide to virtually innumerable segments of the population of this state.

The students I have met, and I am anxious to meet many more when the quarter begins later this month, are vibrant, interested and serious about their education.

September 4, 1981 meeting, Board of Trustees

REMARKS - PRESIDENT JENNINGS (contd)

I have also been extremely impressed to find that staff, who in large measure are responsible for making this place work, share a deep commitment and dedication to their individual tasks and to the University as a whole.

I would be less than candid if I did not admit that we face some serious problems at this time--especially related to fiscal matters. But, I do pledge to you that I am committed to doing all that I can to see that faculty are adequately compensated and attempting to contain the ever-rising cost of education.

These challenges will indeed have the highest priorities.

Just on a personal note: my wife, Mary Eleanor, and I appreciate the many kindnesses and courtesies which have been extended to us by so many associated with Ohio State and the State of Ohio. We are looking forward to the challenges and are anxious to get on with it. Thank you very much.

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Thereupon the Board adjourned to meet Friday, October 2, 1981, at the Fisher Auditorium, Ohio Agricultural Research and Development Center, Wooster, Ohio, at 10:30 a.m.

Attest:

Madison H. Scott
Secretary

Chester Devenow
Chairman

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

Wooster, Ohio, October 1, 1981

The Board of Trustees met at its regular monthly meeting on Thursday, October 1, 1981, at the Ramada Inn, Wooster, Ohio, pursuant to adjournment.

The Vice Chairman, Mr. Smith, called the meeting of the Board to order at 7:45 p.m. The meeting was recessed to be reconvened in Executive Session for the purpose of discussing legal issues and personnel-related issues.

Present: Warren J Smith, John D. Jacob, D. James Hilliker, John F. Havens, Daniel M. Galbreath, Leonard J. Immke, and John W. Berry.

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Minutes of the last meeting were approved.

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Wooster, Ohio, October 2, 1981

The meeting of the Board of Trustees was reconvened in regular session at 10:30 a.m., Friday, October 2, 1981, in the Fisher Auditorium at the Ohio Agricultural Research and Development Center, Wooster, Ohio.

Present: Warren J Smith, Vice Chairman, John D. Jacob, D. James Hilliker, John F. Havens, Daniel M. Galbreath, Leonard J. Immke, and John W. Berry.

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October 2, 1981 meeting, Board of Trustees

Vice Chairman Smith reconvened the regular meeting of the Board at 10:30 a.m., Friday, October 2, 1981.

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ADDRESS TO BOARD OF TRUSTEES BY MICHAEL C. GERALD

President Jennings:

Before I proceed with the agenda, I would like to call on Professor Michael Gerald, Chairman of the Faculty Council of the University Senate, to provide you a report on the last month's activities.

Professor Gerald:

Thank you, President Jennings, Mr. Chairman, Distinguished Members of the Board, Colleagues, and Loyal Friends of The Ohio State University. 'It was the best of times, it was the worst of times, it was the age of wisdom, it was the age of foolishness; it was the spring of hope, it was the winter of despair' So opens, as of course you know, Charles Dickens', *The Tale of Two Cities*. Parenthetically, I kind of wonder whether if Mr. Dickens was enrolled in one of our freshman English courses whether people would have corrected his writing style with these rather lengthy sentences--making it rather simple.

I perceive that analogous antithetical feelings exist in the minds and hearts of many of the members of the faculty at The Ohio State University--feelings that are undermining their aggressive pursuit of academic excellence. One finds it difficult to contemplate the design and inception of a scholarly program that will require five to ten years to bring to fruition, when the immediate future--the coming days, weeks, months--are so shrouded by uncertainty at both the national and state levels.

The events of recent months reveal a shift in priorities in terms of federal support of programs in education, the social services, the arts and the humanities. Continued support of scientific and even biomedical research programs remain in doubt. There are clear signs that academic programs that have been long in their stages of development and maturation may be rapid in their emasculation and dissolution.

In the absence of the state budget, program curtailment, release of tenured faculty, and salary increases remain unresolved issues. Our concern was clearly manifested when on September 21 over 700 faculty members attended an emergency meeting at which the President and four distinguished and very well-respected faculty colleagues candidly discussed these issues. In passing, it should be noted that never before in the history of the University have so many members of the faculty been in attendance at a single meeting--with the possible exception of a nice autumn afternoon in the Ohio Stadium, of course.

On the positive side--and I would like to emphasize the positive side of my story today--many of us sense and are very greatly encouraged by the increased spirit of cooperation among the Board of Trustees, administration, students, and

October 2, 1981 meeting, Board of Trustees

ADDRESS TO BOARD OF TRUSTEES BY MICHAEL C. GERALD (contd)

Professor Gerald: (contd)

faculty. Let me provide some tangible examples of what I feel to be the nature of this cooperation. Representatives of the faculty and students were invited by this Board to play a major role in the selection of candidates for the Presidency of this University. Last week, the Steering Committee of the University Senate, under the very able and dynamic leadership of Professor Richard Gilson of the Department of Aviation, publicly announced its support for a statement issued by the Ohio Student Association. I point out that the Steering Committee of the University Senate is made up predominantly of members of the faculty and administration. This is the first time on record when this organization has indeed supported a student resolution.

In recent days, the Provost has received a report from the Ad Hoc Committee on Policies for Termination of Tenured Faculty During Financial Exigency, an outstanding faculty committee chaired by Professor James Garland of the Department of Physics. This extremely sensitive report examines general conditions which might justify the termination of tenured faculty, and includes both financial exigency as well as academic considerations for termination of such individuals. Inclusion of both of these contingencies, that is financial as well as academic concerns, will enable the University to take grasp of its destiny in setting forth to accomplish its stated missions in the most effective and efficient manner. Within the week, the entire text of this report will be disseminated to the University faculty via publication in *OSU onCampus*, and on October 19, all faculty will be invited to an open discussion of this report. We are hopeful that a final report will be available for submission to the University Senate at its November meeting and be presented to this Board for approval at its meeting in December.

In conclusion, the faculty acknowledges and appreciates the support of the administration and the Board of Trustees in these trying times. We, the faculty, are eagerly looking forward to returning to our laboratories and libraries, our classrooms and clinics, where we can again obsessively resume our scholarly academic endeavors. Thank you, Mr. Chairman.

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RESOLUTIONS IN MEMORIAM

Resolution No. 82-30

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

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

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

October 2, 1981 meeting, Board of Trustees

RESOLUTIONS IN MEMORIAM (contd)

Marion J. Conrad

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on September 5, 1981, of Marion J. Conrad, Professor Emeritus, Academic Faculty of Educational Administration.

Professor Conrad received the Bachelor of Science degree from Capital University in 1938 and the Master's and Ph.D. degrees from Ohio State in 1946 and 1952. He began his teaching career as a mathematics teacher at the Ravenna City High School in 1938 and was associated with public schools for a total of seven years, rising to the position of principal of Mariemont High School in 1948. He joined The Ohio State University staff in 1950 as a staff associate in the Bureau of Educational Research. He was head of the School Plant Division of the Bureau of Educational Research from 1956 to 1961 and in 1962 was named head of the Educational Administration and Facilities Unit in the College of Education. When he retired in 1974 he held the rank of Professor and Associate Chairman of the Academic Faculty of Educational Administration.

Professor Conrad conducted numerous studies of educational facility needs and was involved heavily in educational facility planning at the local, state, and national levels. He developed the Conrad Formula for Determining the Operating Capacity of Secondary School Buildings; demonstrated a relationship between carpeting as an acoustical floor covering and learning; developed a computer approach to building the high school master schedule, and comprehensive educational planning at the local, district, and state department of education levels; and conducted a replanning study of the Illinois plan for program development on gifted children.

He held membership in several professional associations including the Council of Educational Facility Planners, International; the American Association of School Administrators; the National Conference of Professors of Educational Administration; and the American Educational Research Association. He served on the Board of Directors of the Council of Educational Facility Planners, International and received one of the first distinguished service awards from the Council.

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

Matthew Charles Dodd

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on August 27, 1981, of Dr. Matthew Charles Dodd, Professor Emeritus, Department of Microbiology, College of Biological Sciences.

Matthew Charles Dodd was born in Circleville, Ohio, on March 24, 1910. He attended parochial school, Columbus Aquinas High School, class of 1928 and earned his Bachelor of Arts degree from Ohio State in 1933. Dr. Dodd received his doctorate at the University of Michigan in 1942 having studied *Bacillus violaceus* and its antigenic relationships.

October 2, 1981 meeting, Board of Trustees

RESOLUTIONS IN MEMORIAM (contd)

Matthew Charles Dodd (contd)

In 1941 Dr. Dodd joined the Research Division of the Norwich Pharmaceutical Company in Norwich, New York. During his stay with that company he recognized and developed the chemotherapeutically important drugs Furacin and Furadantin. The work resulted in thirteen patents issued to Dr. Dodd and his associates. His work was very important in the treatment of infections and burns of soldiers during World War II.

Dr. Dodd joined The Ohio State University in 1946 as an Assistant Professor of Bacteriology with primary interest in teaching and research in the area of immunology and pathogenic bacteriology.

During his tenure at Ohio State, Dr. Dodd was major advisor to 68 students receiving the M.S. degree and 40 receiving the Ph.D. degree.

In 1975 he was recognized as a preeminent educator when he received a national award, (Carski Distinguished Teaching Award) from his peers in the American Society for Microbiology.

Dr. Dodd served a term as Chairman of the Department of Microbiology beginning in 1967.

On behalf of the University community, the Board of Trustees expresses to the family its deepest sympathy. It was directed that this resolution be inscribed in the minutes of the Board of Trustees and that a copy be tendered to the family as a sincere expression of the Board's realization of the loss which the family and The Ohio State University have sustained.

Roger M. Thomas

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on January 31, 1981, of Roger M. Thomas, County Extension Agent Emeritus, Cooperative Extension Service.

Mr. Thomas joined the Extension Service of The Ohio State University as County Agricultural Agent in Scioto County in 1924. He served there until 1938 at which time he moved to Portage County where he continued as Agricultural Agent until his retirement on December 31, 1959.

He is remembered as an effective agent who was innovative in his use of visual aids. He is also remembered for his work in dairy, agronomy, artificial insemination and production testing.

Prior to becoming an Extension Agent, Mr. Thomas taught school one year and earned his Bachelor of Science in Agriculture degree from The Ohio State University. He did graduate work at Colorado State, Cornell and the University of Indiana. Mr. Thomas was active in church, community and professional organizations.

October 2, 1981 meeting, Board of Trustees

RESOLUTIONS IN MEMORIAM (contd)

Roger M. Thomas (contd)

On behalf of the University community, the Board of Trustees expresses to the family of Mr. Thomas its deepest sympathy. It was directed that this resolution be inscribed in the minutes of the Board of Trustees and that a copy be tendered to the family as sincere appreciation of the Board's realization of the loss that the family, the University and his many friends and associates have sustained.

James D. Wilson

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on September 2, 1981, of James D. Wilson, Associate Professor and Chairperson of the General Studies Division at the Agricultural Technical Institute.

Mr. Wilson was born December 28, 1943. He was graduated from Marion L. Steele High School in Amherst, Ohio, in 1961 and began his college studies at Baldwin-Wallace. In 1963 he transferred to The Ohio State University and was awarded his Bachelor of Science degree in anatomy/English/psychology. He pursued his post graduate work in English at Kent State University and Indiana University of Pennsylvania.

Mr. Wilson joined the faculty of The Ohio State University at the Agricultural Technical Institute in Wooster, Ohio, on July 1, 1974, after five years teaching experience at the Kent State University and the University of Akron. In 1978 Mr. Wilson became the first Chairperson of the General Studies Division at the Agricultural Technical Institute.

Mr. Wilson was a dedicated and highly respected educator. He was well known and respected among his peers and students and served the University in a commendable fashion.

On behalf of the University community, the Board of Trustees expresses to the family its deepest sympathy. It was directed that this resolution be inscribed in the minutes of the Board of Trustees and that a copy be tendered to the family as sincere appreciation of the Board's realization of the loss which the family, the University and his many friends and associates have sustained.

John Harold Wilson

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on August 28, 1981, of John Harold Wilson, Professor Emeritus, Department of English in the College of Humanities.

Dr. Wilson was born in Springfield, Ohio, on February 11, 1900. He received an A.B. degree from Oberlin College in 1922, the M.A. degree from Syracuse University in 1924, and the Ph.D. degree in English from The Ohio State University in 1927.

Dr. Wilson was an Instructor at Syracuse University from 1922-1924, and a Lecturer in English at the University of Tennessee in the Spring of 1936 and 1938. He was also a

October 2, 1981 meeting, Board of Trustees

RESOLUTIONS IN MEMORIAM (contd)

John Harold Wilson (contd)

Lecturer in English at Michigan State University in the Summer of 1958. Dr. Wilson joined the faculty of the Department of English at Ohio State in 1924 with the rank of Instructor, was promoted to Assistant Professor in 1928, to Associate Professor in 1934, and to Professor in 1942. He retired in 1968.

Dr. Wilson authored or coauthored twenty books and numerous articles, most of them dealing with his specialty, Restoration drama and 18th Century British literature. He was a Folger Fellow, a Guggenheim Fellow, and member of the Modern Language Association, the Society for Theatre Research, and the American Association of University Professors.

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

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PERSONNEL ACTIONS

Resolution No. 82-31

Synopsis: In addition to the regular personnel actions taken since the last meeting, the following Appointments; Appointment of Acting Academic Faculty, Department, and/or Division Chairmen; Appointment of Director; Leaves of Absence Without Salary; Professional Improvement Leave; and Emeritus Title are recommended for approval.

RESOLVED, That the personnel actions as recorded in the Personnel Budget Records of the University since the September 4, 1981 meeting of the Board, including the following Appointments; Appointment of Acting Academic Faculty, Department, and/or Division Chairmen; Appointment of Director; Leaves of Absence Without Salary; Professional Improvement Leave; and Emeritus Title as detailed in the University Budget, be approved.

Appointments

Name:	JAMES LEE NICHOLS
Title:	Treasurer
Department:	University Treasurer
Salary:	\$34,500.00 (12-month)
Effective:	November 1, 1981 (on or about)
Present Position:	Deputy Director for Administration, Department of Energy, State of Ohio

President Jennings requested Vice President Jackson to say a word about Mr. Nichols.

October 2, 1981 meeting, Board of Trustees

PERSONNEL ACTIONS (contd)

Appointments (contd)

Mr. Jackson:

Thank you, Dr. Jennings. Mr. Smith, and members of the Board of Trustees, I am very pleased to be able to have the name of James Lee Nichols presented to you today for consideration for the position of University Treasurer. After Mr. Kristoff left the University, we began looking diligently for someone to replace him, and it has obviously taken some period of time. We did that purposely because we wanted to find someone who we thought could provide leadership as well as some continuity over a period of time. I have known this young man for some period of years. I have watched him grow and mature into management positions. At this time he is Deputy Director of the Department of Energy, State of Ohio, and I am most hopeful that you will support this appointment and that we can bring him on board so that I can get Mr. Brace back from over there, back into my office where I need him so badly, and I am certainly most appreciative of the job he has done over there. I would hope that the Board would approve Mr. Nichols' appointment.

Name: VIRGINIA M. VIVIAN
Title: Professor (Carol S. Kennedy Professorship in Human Nutrition)
Department: Human Nutrition and Food Management
Salary: \$37,560.00 (12-month)
Effective: September 1, 1981
Present Position: Professor, Department of Human Nutrition and Food Management and Department of Food Science and Nutrition, The Ohio State University

Appointment of Acting Academic Faculty, Department, and/or Division Chairmen

Effective September 1, 1981

Charles C. Capen
Michael C. Gerald

Veterinary Pathobiology
Pharmacology (College of Pharmacy)

Effective October 1, 1981

Robert L. Arnold
Frederic J. Cadora

Art Education
Judaic and Near Eastern Languages and Literatures
Labor and Human Resources

Robert C. Miljus

Appointment of Director

Effective October 1, 1981

Yehiel Hayon

Melton Jewish Center

October 2, 1981 meeting, Board of Trustees

PERSONNEL ACTIONS (contd)

Leaves of Absence Without Salary

RONALD WILSON HART, Professor, Departments of Radiology and Preventive Medicine, effective September 1, 1981 through June 30, 1982, to serve as Director, National Center for Toxicological Research for the Federal Drug Administration.

RONALD L. ERNST, Associate Professor, Department of Computer and Information Science, effective October 1, 1981 through June 30, 1982, to continue Visiting Associate Professorship at North Carolina State University.

ZANE SPIEGEL, Associate Professor, Department of Geology and Mineralogy, effective October 1, 1981 through December 31, 1981, for personal reasons.

MICHAEL FLIGNER, Assistant Professor, Department of Statistics, effective October 1, 1981 through September 30, 1982, to serve as a Visiting Associate Professor at the University of Arizona.

JOSEPH ROSENBLATT, Assistant Professor, Department of Mathematics, to change date from October 1, 1981 through September 30, 1982 to October 1, 1981 through June 30, 1982, to accept a Visiting Professorship at the University of Missouri.

DEANNE G. GORDON, Instructor, School of Nursing, effective October 1, 1981 through December 31, 1981, for personal reasons.

GAIL S. ODNEAL, Instructor, School of Nursing, effective October 1, 1981 through December 31, 1981, for personal reasons.

ELSPETH H. SAWYER, Instructor, School of Nursing, effective October 1, 1981 through June 30, 1982, to pursue graduate work leading to the Ph.D. degree.

Professional Improvement Leave

ALLAN M. BURKMAN, Professor, College of Pharmacy, change dates from Autumn Quarter 1981, Winter Quarter 1982, Spring Quarter 1982, and Summer Quarter 1982 to September 1, 1981 through August 31, 1982.

Emeritus Title

ADALBERT KOESTNER, Department of Veterinary Pathobiology, with the title Professor Emeritus, effective October 1, 1981.

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

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October 2, 1981 meeting, Board of Trustees

REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS

Resolution No. 82-32

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

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

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

NOW THEREFORE

BE IT RESOLVED, That the research agreements between The Ohio State University and The Ohio State University Research Foundation for the contracts and grants reported herein, and the acceptance of the reports from the Office of Business and Administration, the Engineering Experiment Station and The Ohio State University Development Fund during the month of August 1981, be approved.

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

SUMMARY FOR AUGUST 1981

Source	No. of Projects	Support Level
Office of Business and Administration	6	\$ 123,921.00
The Ohio State University Research Foundation	93	5,737,755.00
Engineering Experiment Station	49	668,431.00
		\$6,530,107.00
The Ohio State University Development Fund		
Establishment of Named Funds		
Gamma Alpha Library Fund (Libraries of Chemistry, Physics, Botany, Biological Sciences, and Geology Departments)		\$ 12,000.00

October 2, 1981 meeting, Board of Trustees

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

SUMMARY FOR AUGUST 1981 (contd)

The Ohio State University Development Fund (contd).

Establishment of Named Funds (contd)

Graduate Program in Hospital and Health Services Administration Excellence Endowment Fund (Graduate program in Hospital and Health Services Administration)	\$ 5,000.00
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Change Name of Named Fund

From: The Porter, Wright, Morris &
Arthur Professorship in Law Fund
To: The Joseph S. Platt--Porter, Wright,
Morris & Arthur Professorship in
Law Fund

Report from Presidents Club

Members to date	4,489
1981 members: year to date	102
New members - August 1981	11

New Presidents Club Members - August 1981

Brian D. Andresen	Mark Guess
Christopher J. Barber	Jay D. Iams
Patricia J. Carroll	Mary L. Summer
Teresa M. Carroll	Earl E. Ward
Rosemary Chalfin	Jerry L. Wircenski
Donald J. Francill	

October 2, 1981 meeting, Board of Trustees

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

OFFICE OF BUSINESS AND ADMINISTRATION

Federal Research Contracts/Grants

\$48,319.00 - Department of Health and Human Services, Public Health Service, Bureau of Health Personnel Development and Service, Division of Student Services, Hyattsville, Maryland, Scholarship Program for First-Year Students of Exceptional Financial Need, College of Dentistry, July 1, 1981 through June 30, 1982. (Grant No. 05L 390075-81 BHL 17-30, Former No. 2 7 45 0430 15 1)

\$39,356.00 - Department of Health and Human Services, Public Health Service, Bureau of Health Personnel Development and Service, Division of Student Services, Hyattsville, Maryland, Scholarship Program for First-Year Students of Exceptional Financial Need, College of Medicine, July 1, 1981 through June 30, 1982. (Grant No. 05L 390071-81 BHL 17-10, Former No. 1 7 45 0430 15 1)

\$9,158.00 - Department of Health and Human Services, Public Health Service, Bureau of Health Personnel Development and Service, Division of Student Services, Hyattsville, Maryland, Scholarship Program for First-Year Students of Exceptional Financial Need, College of Veterinary Medicine, July 1, 1981 through June 30, 1982. (Grant No. 05L 390083-81 BHL 17-70, Former No. 7 7 45 0430 15 1)

\$9,099.00 - Department of Health and Human Services, Public Health Service, Bureau of Health Personnel Development and Service, Division of Student Services, Hyattsville, Maryland, Scholarship Program for First-Year Students of Exceptional Financial Need, College of Optometry, July 1, 1981 through June 30, 1982. (Grant No. 05L 390077-81 BHL 17-40, Former No. 4 7 45 0430 15 1)

\$7,989.00 - Department of Health and Human Services, Public Health Service, Bureau of Health Personnel Development and Service, Division of Student Services, Hyattsville, Maryland, Scholarship Program for First-Year Students of Exceptional Financial Need, College of Pharmacy, July 1, 1981 through June 30, 1982. (Grant No. 05L 390079-81 BHL 17-50, Former No. 5 7 45 0430 15 1)

TOTAL - FEDERAL RESEARCH CONTRACTS/GRANTS **\$ 113,921.00**

Other Research Contract/Grant

\$10,000.00 - Franklin County Board of Education, Central Ohio Instructional Resource Center, Columbus, Ohio, Off Campus Inservice Courses through Central Ohio Special Education Regional Resource Center, Academic Faculty for Exceptional Children, September 6, 1981 through June 15, 1982. (Contractual Agreement - 2, Project 642R-6B-82-R)

October 2, 1981 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION

Federal Research Contracts/Grants

\$489,920.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Neurological and Communicative Disorders and Stroke, Bethesda, Maryland, Spinal Cord Injury Research Center, Department of Surgery (W. E. Hunt) and Department of Anatomy (J. S. King), 1 September 1981 through 31 August 1982. (Project 763358 - Continuation)

\$433,880.00 - Department of Labor, Employment and Training Administration, Washington, D. C., National Longitudinal Studies of Labor Force Behavior, Academic Faculty of Labor and Human Resources (M. E. Borus), 1 October 1981 through 30 September 1982. (Project 760081 - Continuation)

\$336,000.00 - Department of Commerce, National Oceanic and Atmospheric Administration, Office of Sea Grant Programs, Rockville, Maryland, The Ohio State Sea Grant Program 1981-1982, Center for Lake Erie Area Research (C. E. Herdendorf and J. M. Reutter), 1 September 1981 through 31 August 1982. (Project 762833 - Continuation)

\$185,703.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Neurological and Communicative Disorders and Stroke, Bethesda, Maryland, Otitis Media with Effusion, Department of Otolaryngology (D. J. Lim), 1 September 1981 through 31 August 1982. (Project 760043 - Continuation)

\$179,000.00 - Department of Education, Office of Libraries and Learning Technologies, Washington, D. C., Resource Sharing through Interlibrary Loan - A Program for Collection Enhancement and Bibliographic Access, University Libraries (W. J. Studer), 1 January 1982 through 30 March 1983. (Project 762814 - New)

\$142,299.00 - Department of Health and Human Services, Public Health Service, Health Resources Administration, Bureau of Health Professions, Hyattsville, Maryland, Minority Student Recruitment, Preparation, and Retention Program Towards Careers in Dentistry, Medicine, Optometry, Pharmacy, and Veterinary Medicine, College of Medicine - Administration (E. C. Craig and C. L. Yash), 1 September 1981 through 31 August 1982. (Project 762834 - New)

\$128,122.00 - Department of Education, Office of Postsecondary Education, Washington, D. C., Graduate and Professional Opportunities Program, Graduate School - Administration (A. S. Pruitt), 1 September 1981 through 31 August 1982. (Project 762831 - New)

October 2, 1981 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

\$125,000.00 - National Science Foundation, Washington, D. C., Acquisition of a Helium Liquefier-Recovery System, Department of Physics (J. R. Gaines), 1 August 1981 through 31 July 1983. (Project 762794 - New)

\$113,083.00 - Department of Health and Human Services, Public Health Service, Health Resources Administration, Bureau of Health Professions, Division of Nursing, Hyattsville, Maryland, Professional Nurse Traineeship Program, School Nursing (E. L. Fritz), 1 July 1981 through 30 June 1982. (Project 760803 - Continuation)

\$107,286.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, Mechanisms of Organelle Transmission Genetics, Department of Genetics (C. W. Birky and P. S. Perlman), 1 August 1981 through 31 July 1982. (Project 760122 - Continuation)

\$90,000.00 - Department of Agriculture, Arlington, Virginia, A Sustained Release Parenteral Dosage Form of Magnesium for the Prevention of Hypomagnesemia, Department of Veterinary Clinical Sciences (G. F. Hoffsis), 1 July 1981 through 30 June 1983. (Project 762808 - New)

\$87,044.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Heart, Lung and Blood Institute, Bethesda, Maryland, Ion Transport by Heart Mitochondria, Department of Physiological Chemistry (G. P. Brierley), 1 September 1981 through 31 August 1982. (Project 760026 - Continuation)

\$86,416.00 - Department of Education, Rehabilitation Services Administration, Washington, D. C., Training Grant in Physical Medicine and Rehabilitation, Department of Physical Medicine (E. W. Johnson), 1 July 1981 through 30 June 1982. (Project 760750 - Continuation)

\$86,220.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Heart, Lung and Blood Institute, Bethesda, Maryland, Hypocholesterolemic Agents: Stereochemical Studies, College of Pharmacy (D. T. Witiak), 1 September 1981 through 31 August 1982. (Project 762769 - Continuation)

\$84,474.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Division of Research Resources, Bethesda, Maryland, General Clinical Research Center, College of Medicine - Administration (M. Tzagournis) and Department of Medicine (W. B. Malarkey), 1 December 1980 through 30 November 1981. (Project 761196 - Continuation)

October 2, 1981 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

\$81,748.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Environmental Health Sciences, Bethesda, Maryland, Detection of DNA Damage Following Exposure to Genotoxins, Departments of Pharmacology and Radiology (S. M. D'Ambrosio) and Department of Medicine (R. Whisler), 1 September 1981 through 31 August 1982. (Project 762787 - New)

\$79,930.00 - Department of Education, Office of Dissemination and Professional Improvement, Washington, D. C., Teacher Corps, Academic Faculty of Early and Middle Childhood Education (C. R. Williams and R. Cunningham), 15 July 1981 through 14 July 1982. (Project 761660 - Continuation)

\$75,016.00 - Department of the Air Force, Office of Scientific Research, Bolling Air Force Base, D. C., The Electrophysiologic Mechanisms of Halogenated Alkane Arrhythmogenesis, Department of Veterinary Physiology and Pharmacology (S. M. Strauch), 1 September 1981 through 31 August 1982. (Project 761648 - Continuation)

\$72,000.00 - Department of the Navy, Naval Regional Contracting Office, Long Beach, California, Formulate Quasi-Optical Techniques for Antennas at UHF, Department of Electrical Engineering, ElectroScience Laboratory (C. Walter, R. Marhefka, and R. Rudduck), 24 June 1981 through 31 July 1982. (Project 761784 - Continuation)

\$70,848.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, C-Reactive Protein Regulation of Tumor Immunity, Department of Microbiology (R. F. Mortensen), 1 July 1981 through 30 June 1982. (Project 762354 - Continuation)

\$67,644.00 - National Aeronautics and Space Administration, Langley Research Center, Hampton, Virginia, Bellanca Skyrocket Natural Laminar Flow Flight Research, Department of Aeronautical and Astronautical Engineering (G. M. Gregorek) and Department of Aviation (G. S. Weisogel), 1 April 1981 through 15 January 1982. (Project 762359 - Continuation)

\$65,300.00 - National Science Foundation, Washington, D. C., Totally Synthetic Heme Protein Models, Department of Chemistry (D. H. Busch), 1 August 1981 through 31 July 1982. (Project 762803 - Continuation)

\$64,445.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Felv Leukemogenesis and Phenoplastic Lesions, Department of Veterinary Pathobiology (R. G. Olsen), 1 September 1981 through 30 June 1982. (Project 762826 - New)

October 2, 1981 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

\$63,000.00 - Tennessee Valley Authority, Chattanooga, Tennessee, Coal Pile Electromagnetic Sensing Research, Department of Electrical Engineering, Electro-Science Laboratory (J. Young), 16 April 1981 through 30 September 1982. (Project 762162 - Continuation)

\$59,300.00 - Department of Energy, Chicago Operations and Regional Office, Argonne, Illinois, Influence of Nitrogen on the Sensitization, Corrosion, Mechanical and Microstructural Properties of Austenitic Stainless Steels, Department of Metallurgical Engineering (W. A. Clark, D. D. Macdonald, and S. Pednekar), 15 August 1981 through 14 August 1984. (Project 762818 - New)

\$55,000.00 - Department of the Interior, Fish and Wildlife Service, Washington, D. C., The Metabolic Costs of Social Interaction Related to Pollution Exposure in a Mammal, Department of Zoology (T. J. Peterle), 17 August 1981 through 30 September 1983. (Project 762810 - New)

\$52,897.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Child Health and Human Development, Bethesda, Maryland, Chromatin in Spermatogenesis and Fertilization, Department of Veterinary Pathobiology (K. Marushige), 1 September 1981 through 31 August 1982. (Project 761910 - Continuation)

\$52,070.00 - National Science Foundation, Washington, D. C., A Multistage Molecular Model for Neoplastic Transformation in Rats, Cancer Research Center (P. C. Kimball), 1 September 1981 through 31 August 1982. (Project 761782 - Continuation)

\$51,378.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Regulation of Dihydrofolate Reductase Gene Expression, Department of Biochemistry (L. F. Johnson), 1 July 1981 through 30 June 1982. (Project 761710 - Continuation)

\$51,367.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Allergy and Infectious Diseases, Bethesda, Maryland, Biological Control of Vectors of Human Disease, Department of Entomology (J. D. Briggs), 1 September 1981 through 31 August 1982. (Project 761909 - New)

\$50,445.00 - National Science Foundation, Washington, D. C., Ultrastructure of Fossil Pollen and Spores, Department of Botany (T. N. Taylor), 1 October 1981 through 30 September 1982. (Project 762215 - Continuation)

October 2, 1981 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

\$49,656.00 - National Science Foundation, Washington, D. C., Resident and Neighborhood in the American City: 1920 to 1980, Department of Geography (K. R. Cox), 1 September 1981 through 31 August 1983. (Project 762813 - New)

\$47,971.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Heart, Lung and Blood Institute, Bethesda, Maryland, Independent Forcing of Lung Volume and CO₂ Concentration, Department of Physiology (A. L. Kunz), 1 August 1981 through 31 July 1982. (Project 762820 - New)

\$41,040.00 - Department of the Army, Natick Research and Development Command, Natick, Massachusetts, TCM Replacement, Department of Civil Engineering (O. Sproul and A. Rubin), 28 July 1981 through 5 August 1982. (Project 762682 - Continuation)

\$40,000.00 - Department of the Air Force, Office of Scientific Research, Bolling Air Force Base, D. C., Theoretical Foundations of Software Technology, Department of Computer and Information Science (B. Chandrasekaran, L. J. White, and H. W. Buttelmann), 1 July 1981 through 30 June 1982. (Project 761640 - Continuation)

\$38,070.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Arthritis, Diabetes, Digestive and Kidney Diseases, Bethesda, Maryland, Intestinal Secretion: Receptor Mechanisms, College of Pharmacy (T. S. Gaginella), 1 September 1981 through 31 August 1982. (Project 761373 - Continuation)

\$35,000.00 - National Aeronautics and Space Administration, Jet Propulsion Laboratory, Pasadena, California, A Study of the Meteorological Factors in Earth Satellite Propagation, Department of Electrical Engineering, ElectroScience Laboratory (C. A. Levis), 10 August 1981 through 30 November 1981. (Project 762612 - Continuation)

\$35,000.00 - National Science Foundation, Washington, D. C., Conducting Polymers: Magnetic, Optical and Transport Studies, Department of Physics (D. B. Tanner), 1 August 1981 through 31 July 1982. (Project 762830 - New)

\$35,000.00 - National Science Foundation, Washington, D. C., Geologic and Paleontologic History of the James Ross Island Basin, Northern Antarctic Peninsula, Institute of Polar Studies (D. H. Elliot and W. J. Zinsmeister), 1 August 1981 through 31 July 1982. (Project 762806 - New)

October 2, 1981 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

\$34,999.00 - National Science Foundation, Washington, D. C., Cenozoic Biostratigraphy of Antarctica, Institute of Polar Studies (P. N. Webb), 1 September 1981 through 31 August 1982. (Project 762812 - New)

\$34,000.00 - Department of the Interior, Fish and Wildlife Service, Washington, D. C., Scale Shape as an Innate Tag for the Identification of Striped Bass Stock, Department of Zoology (T. J. Peterle, R. F. Carline, and F. J. Margraf), 31 July 1981 through 30 June 1982. (Project 762788 - New)

\$32,694.00 - National Science Foundation, Washington, D. C., Studies of Petrified Carboniferous Age Fungi, Department of Botany (T. N. Taylor and S. P. Stubblefield), 1 August 1981 through 31 July 1982. (Project 762801 - New)

\$31,948.00 - National Science Foundation, Washington, D. C., Collaborative Research and Monographic Study of the Genus *Coreopsis* (Compositae), Department of Botany (D. J. Crawford), 1 September 1981 through 31 August 1982. (Project 762328 - Continuation)

\$31,803.00 - Department of the Air Force, Office of Scientific Research, Bolling Air Force Base, D. C., Chemical and Molecular Biological Aspects of Alkylhydrazine-Induced Carcinogenesis in Human Cells *in Vitro*, College of Pharmacy (D. Witiak), 1 July 1980 through 30 September 1981. (Project 762177 - Continuation)

\$31,467.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Library of Medicine, Bethesda, Maryland, Biomedical Computing and Information Processing, College of Medicine - Administration (G. L. Trzebiatowski), 1 July 1981 through 30 June 1982. (Project 761133 - Continuation)

\$30,000.00 - National Science Foundation, Washington, D. C., Stratigraphy, Sedimentology, and Sedimentary Petrology of the Permian-Triassic Gondwana Sequence in North Victoria Land, Antarctica, Institute of Polar Studies (J. W. Collinson), 15 August 1981 through 31 July 1982. (Project 762829 - New)

\$29,992.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, Research on Computer Database Systems, Department of Computer and Information Science (D. K. Hsiao), 1 July 1981 through 14 September 1982. (Project 760226 - Continuation)

\$29,800.00 - National Science Foundation, Washington, D. C., Development of a Course in Chemical Process Design Based on Computer-Graphic Techniques, Department of Chemical Engineering (K. S. Knaebel and L. S. Fan) and Department of Industrial and Systems Engineering (R. S. Ahluwalia), 31 July 1981 through 29 February 1984. (Project 762819 - New)

October 2, 1981 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

\$29,761.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, Hormonal and Dietary Control of ATP Citrate Lyase, Department of Food Science and Nutrition (K. L. Koehrig), 1 September 1981 through 31 August 1982. (Project 762408 - Continuation)

\$27,645.00 - National Science Foundation, Washington, D. C., EEA, A Differentiation Enhancing Factor in Acanthamoeba: Characterization, Synthesis, and Fate, Department of Microbiology (T. J. Byers), 1 August 1981 through 31 July 1982. (Project 762309 - Continuation)

\$19,736.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Neurological and Communicative Disorders and Stroke, Bethesda, Maryland, Effects of Autoconial Deprivation on Gravity Receptors, Department of Otolaryngology (D. J. Lim and D. R. Trune), 1 August 1981 through 31 July 1982. (Project 761485 - Continuation)

\$15,000.00 - Department of Commerce, National Oceanic and Atmospheric Administration, Environmental Research Laboratories, Boulder, Colorado, Viscous Stability of Tornado-Like Vortices, Department of Aeronautical and Astronautical Engineering (M. R. Foster), 1 July 1981 through 30 June 1982. (Project 761347 - Continuation)

\$15,000.00 - Department of Education, National Institute of Education, Washington, D. C., Participatory Democratic Evaluation: A Case Study of an Emerging Model, Academic Faculty of Early and Middle Childhood Education (R. Donmoyer), 1 September 1981 through 31 August 1982. (Project 762805 - New)

\$14,995.00 - National Aeronautics and Space Administration, Ames Research Center, Moffett Field, California, Experimental Investigation of Flow Fields of Rotors in Hover with Modified Tips, Department of Mechanical Engineering (H. R. Velkoff), 1 July 1981 through 30 September 1981. (Project 760964 - New)

\$14,224.00 - Department of Health and Human Services, Public Health Service, Alcohol, Drug Abuse and Mental Health Administration, National Institute of Mental Health, Rockville, Maryland, Predoctoral Internship in Health Care Psychology, Department of Psychiatry (P. A. Marks), 1 August 1981 through 30 June 1982. (Project 761167 - Continuation)

\$12,000.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, Development of a Vaccine Against Lethal Exotoxin of Pseudomonas Aeruginosa, Department of Microbiology (N. R. Baker), 1 June 1981 through 31 May 1982. (Project 761141 - Continuation)

October 2, 1981 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

\$10,000.00 - National Aeronautics and Space Administration, Ames Research Center, Moffett Field, California, SETI Research, Department of Electrical Engineering (J. D. Kraus and R. S. Dixon), 1 July 1981 through 31 December 1981. (Project 760413 - Continuation)

\$9,278.00 - National Aeronautics and Space Administration, Langley Research Center, Hampton, Virginia, Additional Work on "Study to Determine the IFR Operational Profile of the General Aviation Single-Pilot," Department of Aviation (G. S. Weislogel and G. C. Chapman), 1 July 1981 through 30 November 1981. (Project 761869 - Continuation)

\$9,000.00 - Department of the Air Force, Aeronautical Systems Division (AFSC), Wright Patterson Air Force Base, Ohio, Supercritical Airfoil Wind Tunnel Flutter Research, Department of Aeronautical and Astronautical Engineering (J. D. Lee), 20 July 1981 through 30 September 1981. (Project 762832 - New)

\$8,716.00 - National Science Foundation, Washington, D. C., Thermoregulatory Significance of Pigment Intensity in Avian Adaptations, Department of Zoology (S. I. Lustick), 1 September 1981 through 31 October 1982. (Project 761934 - Continuation)

\$7,999.00 - National Aeronautics and Space Administration, Goddard Space Flight Center, Greenbelt, Maryland, Ultraviolet Studies of Some Be Stars of Later Type, Department of Astronomy (A. E. Slettebak), 1 September 1981 through 31 August 1982. (Project 762142 - Continuation)

\$6,000.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Heart, Lung and Blood Institute and Fogarty International Center, Bethesda, Maryland, Satellite Symposium on Comparative Respiration, Department of Physiology (A. L. Kunz), 1 August 1981 through 30 November 1981. (Project 762816 - New)

\$1,891.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, Mechanisms of Organelle Transmission Genetics, Department of Genetics (C. W. Birky and P. S. Perlman), 1 August 1981 through 31 July 1982. (Project 760122 - Continuation)

\$1,250.00 - Department of the Army, Army Research Office, Research Triangle Park, North Carolina, International Symposium on Molecular Spectroscopy, Department of Physics (K. N. Rao), 3 August 1981 through 30 November 1981. (Project 761955 - Continuation)

TOTAL - FEDERAL RESEARCH CONTRACTS/GRANTS

\$4,497,770.00

October 2, 1981 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

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

\$78,000.00 - Battelle Memorial Institute Foundation, Columbus, Ohio, A Numerical Problem Solving Course for Underprepared College Intending Seniors, Department of Mathematics (J. R. Leitzel), 1 July 1981 through 30 June 1983. (Project 762802 - New)

\$62,725.00 - W. K. Kellogg Foundation, Battle Creek, Michigan, Development of a Non-Traditional Medical Record Administration Program, School of Allied Medical Professions (M. S. Pariser), 1 September 1981 through 31 August 1982. (Project 762768 - New)

\$38,662.00 - University of Florida, Gainesville, Florida, Development of a Vaccine against *Haemonchus Contortus* in Sheep, Department of Veterinary Pathobiology (C. H. Courtney), 1 July 1981 through 31 August 1984. (Project 762796 - New)

\$36,774.00 - University of Pittsburgh, Pittsburgh, Pennsylvania, The Evolution and Mechanisms of Symbiont-Host Recognition on Two Insect Disorders, Department of Medical Microbiology and Immunology (N. L. Somerson and J. D. Pollack), 1 September 1979 through 31 August 1982. (Project 761856 - Continuation)

\$35,075.00 - Council on International Educational Exchange, New York, New York, The Ohio State University Summer Workshop for Japanese Teachers of English, Department of English (B. Sutton), 30 March 1981 through 29 August 1981. (Project 762799 - New)

\$34,648.00 - International Business Machines Corporation, San Jose, California, Transition Metal Mediated Carbon-Carbon Bond Formation, Department of Chemistry (D. J. Hart), 1 August 1981 through 31 July 1982. (Project 762800 - New)

\$30,000.00 - American Cancer Society, Inc., New York, New York, American Cancer Society Institutional Research Grant, Cancer Research Center (D. S. Yohn), 1 July 1981 through 30 June 1982. (Project 764472 - Continuation)

\$27,500.00 - The Procter & Gamble Company, Cincinnati, Ohio, Detection of Neurotoxicity by Morphologic and Functional Techniques, Department of Medicine (J. P. Mendell and Z. Sahenk), 1 July 1981 through 31 December 1982. (Project 762821 - New)

\$27,008.00 - Union Carbide Corporation, Nuclear Division, Oak Ridge, Tennessee, Study the Relationships Between Fracture Mechanics and Ultrasonic Parameters of Graphnol, Department of Welding Engineering (L. Adler), 20 July 1981 through 31 July 1982. (Project 762817 - New)

October 2, 1981 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

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

\$24,000.00 - Twelve Members of the National Alliance, National Alliance of Postsecondary Education Institutions/Districts, The National Center for Research in Vocational Education (R. E. Taylor), 1 July 1981 through 20 June 1982. (Project 761599 - Continuation)

\$21,100.00 - American Association of School Administrators, Arlington, Virginia, Study of the American Superintendency, Academic Faculty of Educational Administration (L. L. Cunningham), 1 June 1981 through 31 December 1981. (Project 762778 - New)

\$18,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Prostanoids and Serum Lipids in the Exercise Conditioned Rat, Department of Physiological Chemistry (A. J. Merola), 1 October 1981 through 30 September 1982. (Project 762795 - New)

\$15,000.00 - Kappa Delta Pi, Lafayette, Indiana, Workshops and Research Studies, Academic Faculty of Educational Foundations and Research (J. Frymier), 1 September 1981 through 31 December 1982. (Project 762804 - New)

\$14,978.00 - San Jose State University Foundation, San Jose, California, Theoretical Analysis of Impurity Band Broadening and Bandgap Narrowing in Semiconductor Materials, Department of Physics (L. C. Brown), 1 June 1981 through 31 May 1982. (Project 762740 - New)

\$12,081.00 - University of Cincinnati, Cincinnati, Ohio, A Statewide Project to Prepare a Curriculum Guide for Training in Health Education Services in Nutrition, College of Medicine - Administration (J. B. Battles), 1 July 1981 through 30 September 1981. (Project 762754 - New)

\$12,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, The Role of Herpesvirus in Atherosclerosis, Department of Microbiology (M. T. Muller), 1 October 1981 through 30 September 1982. (Project 762828 - Continuation)

\$12,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Vascular Changes in Placental Bed in Hypertensive Pregnancy, Department of Obstetrics and Gynecology (R. O'Shaughnessy), 1 October 1981 through 30 September 1982. (Project 762725 - New)

\$5,000.00 - Madison County Hospital, London, Ohio, Psychology Internship, Academic Faculty of Special Services (J. Quaranta), 1 February 1981 through 31 August 1981. (Project 762798 - New)

October 2, 1981 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

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

\$4,857.00 - The Prudential Insurance Company of America, Newark, New Jersey, Behavior Modeling Training Films, Department of Psychology (M. D. Hakel), 1 June 1981 through 31 October 1981. (Project 762824 - New)

\$904.00 - Buck Engineering Company, Inc., Farmingdale, New Jersey, Needs Assessment Survey: Chile/Buck Engineering, The National Center for Research in Vocational Education (R. E. Taylor), 1 July 1981 through 15 August 1981. (Project 762673 - Continuation)

TOTAL - INDUSTRIAL, PRIVATE, AND OTHER NON-FEDERAL RESEARCH CONTRACTS/GRANTS **\$1,134,035.00**

ENGINEERING EXPERIMENT STATION

State Sponsored Research and Development

\$115,486.00 - Florida Department of Transportation, Tallahassee, Florida, Fabrication of Two Pavement Friction Measurement Systems, Transplex, August 2, 1981 through March 31, 1982. (312713/7009)

Industrial and Other Sponsored Research and Development

\$430,000.00 - various industries for general support of the Center for Welding Research, Department of Welding Engineering, August 1, 1981 through July 31, 1982. Current industry participants and their respective levels of support include:

Bishopric Products, Inc., Cincinnati, Ohio	\$ 30,000
Caterpillar Tractor Co., E. Peoria, Illinois	30,000
Euclid, Inc., Cleveland, Ohio	30,000
GATAX, Gard, Inc., Niles, Illinois	30,000
G. E. Aircraft Engine, Evendale, Ohio	80,000
GM Technical Center, Detroit, Michigan	30,000
IBM, Armonk, New York	30,000
Standard Oil, Cleveland, Ohio	30,000
Westinghouse, Pittsburgh, Pennsylvania	30,000
Pending Support	110,000

The CWR second year research program consists of the following projects:

Director's Office--added funding total of	\$124,950	(529090)
Sensing and Control of Arc Welding Process	214,760	(529501)
Weld Pool Solidification under Power Variations	69,830	(529502)

October 2, 1981 meeting, Board of Trustees

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

ENGINEERING EXPERIMENT STATION (contd)

Industrial and Other Sponsored Research and Development (contd)

Laser and Laser-Arc Welding Studies	\$ 70,620	(529503)
Weld Strength of Steel Structures	75,070	(529504)
Weld Discontinuity Analysis	67,210	(529505)
Resistance Welding	45,000	(529506)
Micro Joining	22,560	(529507)

The second year of CWR activity includes federal support from National Science Foundation through The Ohio State University Research Foundation Project 713272 totalling \$260,000.00. (EES 529090, 529501-8)

\$122,945.00 - various industries for 40 development projects conducted in six departments for the College of Engineering.

**TOTAL - INDUSTRIAL AND OTHER SPONSORED
RESEARCH AND DEVELOPMENT** **\$ 552,945.00**

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND

Gifts of \$5,000 or More

\$128,911.72 - Trust Under the Will of Kathryn L. Mitchell, Columbus, Ohio, for Gilbert and Kathryn Mitchell Fund.

\$68,450.00 - Trust Under the Will of Anna Roessler, Columbus, Ohio, for Samuel J. Roessler Memorial Fund.

\$25,000.00 - Norden Laboratories, Lincoln, Nebraska, for Veterinary Pathology Graduate Training Fund.

\$25,000.00 - Texagulf, Inc., Stamford, Connecticut, for Endowed Professorship in Plant Protection.

\$17,318.75 - Hoffmann-LaRoche, Inc., Nutley, New Jersey (given in the name of Dr. Brian D. Andresen), for Clinical Pharmacology Fund.

\$17,000.00 - The George Gund Foundation, Cleveland, Ohio, for furtherance of extension work in Cuyahoga County.

\$16,000.00 - Eli Lilly and Company, Indianapolis, Indiana, for Infectious Disease Research Fund.

\$13,944.00 - SmithKline Corporation, Philadelphia, Pennsylvania, for O.S.P.A.

October 2, 1981 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

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

\$12,184.64 - Systems Associates, Inc., Columbus, Ohio (given in the name of Thomas M. Bashore, M.D. and John M. Stang, M.D.), for Cardiology Support Fund.

\$11,808.22 - University Eye Surgeons, Inc., Columbus, Ohio, for Eye Bank Fund.

\$11,400.00 - The Lubrizol Foundation, Cleveland, Ohio--\$7,000.00 for Lubrizol Foundation Fellowship Fund for Chemistry; \$2,400.00 for Lubrizol Foundation Scholarship Fund; and \$2,000.00 for Lubrizol Foundation Scholarship Fund for Chemical Engineering.

\$10,712.60 - Textron, Inc., Providence, Rhode Island (290 shares of Teradyne, Inc., stock), for Joseph B. Collinson Scholarship Fund.

\$10,000.00 - Iddings Foundation, Dayton, Ohio, for Iddings Foundation Scholarship Fund.

\$10,000.00 - Carl Shurtz, Tucson, Arizona--\$7,500.00 for College of Medicine Progress Fund and \$2,500.00 for University Hospital Atrium Fund.

\$9,193.83 - Retinal Consultants, Inc., Columbus, Ohio, for Retina Research Fund.

\$8,600.00 - Harry K. Tayama, Columbus, Ohio, for Ohio Florists Association Special Fund.

\$8,380.08 - Westfield Companies, Westfield Center, Ohio, for Ohio 4-H Foundation Support Fund.

\$8,000.00 - Phi Beta Psi Charity Trust Fund, Bryan, Ohio, for Cancer Research Fund.

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

\$7,435.20 - Ives Laboratories, Inc., New York, New York, for Cardiovascular Pharmacology Fund.

\$6,500.00 - Len Immke Buick, Columbus, Ohio, for Presidents Club Special Fund.

\$6,500.00 - Pennsylvania Power and Light Company, Allentown, Pennsylvania, for Mechanical Engineering Coal Combustion Laboratory Fund.

October 2, 1981 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

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

\$6,250.00 - Owens-Corning Fiberglas Corporation, Toledo, Ohio--\$6,000.00 for Owens-Corning Fiberglas Engineering Scholarship Fund and \$250.00 for College of Engineering Special Fund.

\$6,025.00 - Mrs. Jesse M. Joseph, Cincinnati, Ohio (100 shares of Martin Marietta common stock), for Division of Hematology and Oncology Research Fund.

\$6,000.00 - Mosier Industries, Inc., Brookville, Ohio, for Mosier Fund.

\$5,500.00 - Ohio Farm Bureau Federation, Inc., Columbus, Ohio (given in the name of Glenn R. Pirtle), for Farm Bureau Scholarship Fund.

\$5,363.15 - Ohio Urology, Inc., Columbus, Ohio, for Urology Education Fund.

\$5,250.00 - Kibble Foundation, Gahanna, Ohio, for Kibble Foundation Scholarship Fund.

\$5,035.00 - D. J. and J. N. Knull Trust, Columbus, Ohio, for D. J. and J. N. Knull Fund.

\$5,004.00 - Field Enterprises Charitable Corporation, Chicago, Illinois (417 shares of Class B common stock of Addison-Wesley Publishing Company, Inc.), for Milton Caniff Research Room.

\$5,000.00 - Norman O. Cappel, Ph.D., Cochranville, Pennsylvania, for Department of Chemistry Support Fund.

\$5,000.00 - Park National Bank, Newark, Ohio, for Everett D. Reese and Park National Bank Fund for the Faculty of Finance.

\$5,000.00 - John J. Schiff, Jr., Cincinnati, Ohio, for Ohio State University Veterinary Alumni Student Scholarship Fund.

Gift-in-Kind

\$9,950.00 - Dr. D. A. Severino, Columbus, Ohio, 995 books.

Establishment of Named Funds

Gamma Alpha Library Fund

The Gamma Alpha Library Fund was established October 2, 1981, with gifts to The Ohio State University through The Ohio State University Development Fund from The Ohio State Gamma Alpha Association.

October 2, 1981 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

Establishment of Named Funds (contd)

Gamma Alpha Library Fund (contd)

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

Income from the fund is to be used annually to purchase reference materials, such as books, journals, and microformatted materials, for the University Science Libraries, i.e., libraries of the Chemistry, Physics, Botany, Biological Sciences and Geology Departments. The available funds will be used in a manner that will benefit as equitably as possible all of the named libraries. Requisitions for such funds will be made in consultation with the librarians of the respective named libraries by the appropriate dean in cooperation with the University Director of Libraries.

Should the needs for these funds cease to exist, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to the recommendations of the appropriate administrative official of the University who is then directly responsible for the University Libraries.

**Graduate Program in Hospital and Health Services Administration
Excellence Endowment Fund**

A Graduate Program in Hospital and Health Services Administration (H.H.S.A.) Excellence Endowment Fund was established October 2, 1981, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund by alumni and friends of the program.

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

The principal and/or income is to be used to support and advance the Graduate Program in Hospital and Health Services Administration at the direction of the Executive Committee of the Alumni Association of the Graduate Program in Hospital and Health Services Administration.

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

October 2, 1981 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

Change Name of Named Fund

The Joseph S. Platt--Porter, Wright, Morris & Arthur Professorship in Law Fund*

WHEREAS the Board of Trustees on January 14, 1965, approved a set of guidelines for the establishment of "Named Professorships," which was subsequently modified March 3, 1972, and renamed "Endowed Professorships" and was modified further on May 5, 1978; and

WHEREAS gifts and pledges of gifts have been received from several individuals for the establishment of The Joseph S. Platt--Porter, Wright, Morris & Arthur Professorship in Law; and

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

WHEREAS at such time as the gifts reach a total of \$250,000, the annual income shall be used to provide support for the work of a distinguished scholar and teacher in the College of Law with appointment to The Joseph S. Platt--Porter, Wright, Morris & Arthur Professorship to be recommended to the Provost by the Dean of the College of Law, for approval by the Board of Trustees; and

WHEREAS the Professorship shall be known as "The Joseph S. Platt--Porter, Wright, Morris & Arthur Professorship in Law" but should the name of the firm change or should the firm dissolve, separate or merge with another firm, the name of this professorship may be changed, in the sole discretion of the Dean of the College of Law, to a name most clearly coinciding with the original purpose of this endowment; and

WHEREAS there will be a period until this fund reaches the level necessary to endow a professorship, the income from the fund may, until that time, be used in the discretion of the Dean of the College of Law in such manner as will best serve the needs of the College of Law, including, but not limited to adding the income to this endowed fund or establishing a designated professorship; and

WHEREAS should the need for this faculty position cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the College of Law:

NOW THEREFORE

BE IT RESOLVED, That "The Joseph S. Platt--Porter, Wright, Morris & Arthur Professorship in Law Fund" be established in accordance with the wishes of the donors.

*Formerly The Porter, Wright, Morris & Arthur Professorship in Law Fund.

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October 2, 1981 meeting, Board of Trustees

PLANS AND SPECIFICATIONS

Resolution No. 82-33

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

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

FAWCETT CENTER FOR TOMORROW, INSTALLATION OF SMOKE DETECTORS

Project: Provide smoke detectors for individual guest rooms, office and meeting room areas, and provide smoke detectors in elevator lobby areas to operate the elevators in the hotel section of Fawcett Center for Tomorrow.

Funding: Budget Account 885164

Estimated Project Cost: \$112,000.00

NOW THEREFORE

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

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

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

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**REPORT OF AWARD OF CONTRACTS AND
ESTABLISHMENT OF CONTINGENCY FUNDS**

Resolution No. 82-34

Synopsis: Contracts have been awarded for the projects listed below to the lowest and best bidders in accordance with University procedures.

WHEREAS resolutions adopted by the Board of Trustees at previous meetings authorized the President and/or Vice President for Business and Administration to sign the plans and specifications and, in accordance with established University procedures, to request bids and, if satisfactory bids were received, to recommend to the Department of Administrative Services, Division of Public Works, the award of contracts for the following projects:

October 2, 1981 meeting, Board of Trustees

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

MASONRY REPAIRS (EXTERIOR) 1981 - PHASE II

Description: Repair deteriorated masonry on Derby Hall, Graduate School, Orton Hall, McCracken Power Plant and Mathematics Building.

General Contract

Date Received:	August 18, 1981
No. of Bids:	3
Low Bid:	\$249,289.00
High Bid:	\$274,472.00
Estimate of Cost:	\$282,800.00
Awarded to:	Trisco System, Inc., Lima, Ohio
Total Contract:	\$249,289.00
Total Contingency Allowance:	\$ 6,566.09 which is 3 per cent of construction contract
Total Project Cost:	\$260,000.00
Funding:	Budget Account 885156

ROOF REPLACEMENT - 1981, PHASE II

Description: Restoration of roofing systems for the Dining Hall, Jay Cooke Residence (Castle) and Stone Cottage located on Gibraltar Island at Put-In-Bay, Ohio.

General Contract

Date Received:	September 9, 1981
No. of Bids:	3
Low Bid:	\$ 39,750.00
High Bid:	\$ 61,890.00
Estimate of Cost:	\$ 46,500.00
Awarded to:	RossLin Construction & Maintenance Co., Columbus, Ohio
Total Contract:	\$ 39,750.00
Total Contingency Allowance:	\$ 2,855.09 which is 7 per cent of construction contract
Total Project Cost:	\$ 45,000.00
Funding:	Budget Account 885155

October 2, 1981 meeting, Board of Trustees

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

NOW THEREFORE

BE IT RESOLVED, That pursuant to the actions previously authorized by the Board, the award of contracts and the establishment of project funds and contingency funds for the projects listed above are hereby reported.

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

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EASEMENT - COLUMBIA GAS OF OHIO, INC.

Resolution No. 82-35

Synopsis: Renewal of Easement for Columbia Gas of Ohio, Inc.

WHEREAS the University on August 3, 1966 granted a fifteen-year easement to Columbia Gas of Ohio, Inc., for the purpose of installing a gas pipeline along the north side of Case Road; and

WHEREAS said easement expired August 2, 1981; and

WHEREAS the Department of Administrative Services has prepared the necessary legal instruments to renew said easement for a period of fifteen years; and

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

NOW THEREFORE

BE IT RESOLVED, That the President and/or Vice President for Business and Administration be authorized to execute the necessary instruments to provide for said easement renewal.

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

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REPORT - UNIVERSITY'S INVESTMENT PORTFOLIO

Resolution No. 82-36

RESOLVED, That the report on the University's Investment Portfolio, dated September 18, 1981, as submitted to the Fiscal Affairs Committee of the Board of Trustees, be received and filed with the official records of the Board.

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October 2, 1981 meeting, Board of Trustees

REPORT BY PRESIDENT EDWARD H. JENNINGS

President Jennings:

Mr. Chairman, I would just like to point out a few things. First of all, I would like to extend our thanks--my thanks--to OARDC, Dean Kottman, and their staff for providing these fine facilities for our meeting, and I do look forward to Dean Kottman and his staff giving us a tour of the OARDC facilities. I think an opportunity to come to what we hope legislatively will be a fully integrated part of Ohio State very shortly is a good opportunity. I also look forward, I think with the success of this, perhaps getting around the state much more and perhaps we might even be able to go to some of our other facilities outside Columbus even for Board meetings as that develops.

Just a comment. Yesterday afternoon the House by a two to one vote did pass the budget bill which is essentially with some exceptions the same budget bill that we have been talking about. I certainly commend the House for their activity there and for their recognition of the financial difficulties of not only Ohio State but all of higher education as well as primary and secondary education around the state. I think that if that bill now goes through the Senate, the major financial problems of this institution can be solved, but I want to emphasize that this bill, if it comes out of the Senate in its current status, is a bill that will essentially restore the cuts that were made last year and will provide for very, very little expansion in this institution, if any. Anything beyond the restoration would be simply to catch up as we understand the figures now. The bill, beyond the restoration, provides an additional \$4 million beyond the restoration of last year's initial budget so that you can see \$4 million out of a total budget of \$500 million is not a great expansion. And this will not eliminate the need for financial control and financial stringency, it will simply allow us to get us out of our worst problems with faculty salaries and tuition. That concludes my report.

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Thereupon the Board adjourned to meet Friday, November 6, 1981, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, at 1:30 p.m.

Attest:

Madison H. Scott
Secretary

Warren J Smith
Vice Chairman

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THE OHIO STATE UNIVERSITY
OFFICIAL PROCEEDINGS OF THE
ONE THOUSAND ONE HUNDRED AND SEVENTY-FOURTH MEETING
OF THE BOARD OF TRUSTEES

Columbus, Ohio, November 6, 1981

The Board of Trustees met at its regular monthly meeting on Friday, November 6, 1981, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, pursuant to adjournment.

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

* * *

Minutes of the last meeting were approved.

* * *

November 6, 1981 meeting, Board of Trustees

The Chairman, Mr. Devenow, called the meeting of the Board of Trustees to order at 11:30 a.m. He requested the Secretary to call the roll. The meeting recessed into Executive Session for the purpose of considering legal issues and personnel-related matters.

Present: Chester Devenow, Chairman, Warren J. Smith, John D. Jacob, D. James Hilliker, John F. Havens, Daniel M. Galbreath, Leonard J. Immke, and John W. Berry.

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

ELECTION OF TREASURER

Resolution No. 82-37

WHEREAS paragraph (B) of Rule 3335-1-02 of the Administrative Code provides for replacement of Board officers through election; and

WHEREAS a new University Treasurer was approved at the October 2, 1981 meeting:

NOW THEREFORE

BE IT RESOLVED, That James Lee Nichols be elected Treasurer of the Board of Trustees.

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

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RESOLUTIONS IN MEMORIAM

Resolution No. 82-38

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

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

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

K. Kenney Crooks

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on September 18, 1981, of K. Kenney Crooks, Assistant Professor in the Department of Surgery, Division of Urology, Head of Section of Pediatric Urology.

November 6, 1981 meeting, Board of Trustees

RESOLUTIONS IN MEMORIAM (contd)

K. Kenney Crooks (contd)

Dr. Crooks was born in Newport News, Virginia, in 1945 and lived in Virginia during his undergraduate years. He received the M.D. degree from the Medical College of Virginia in 1971 and interned at the Peter Bent Bingham Hospital in Boston, Massachusetts.

He became interested in genitourinary surgery, and after a two-year hiatus as a flight surgeon in Oklahoma, returned to train under Dr. George Prout at the Massachusetts General Hospital in Boston. While there, he was exposed to the innovative operative techniques of Dr. Hardy Hendren and chose to extend his training at Harvard Medical School in Pediatric Urology. He came to Columbus to join the faculty of The Ohio State University School of Medicine as an Assistant Professor in the Department of Surgery, Division of Urology, Head of Section of Pediatric Urology. He was board certified in 1980.

Dr. Crooks became recognized as one of the finest technicians of operative surgery in the Department of Surgery. He brought to Columbus a standard of care for the pediatric urology patient that had not been seen before, and his innovative surgeries helped to correct many of the tragic malformations seen in this group of patients.

He was an avid teacher of students, residents, and faculty. He brought a new level of academics to the urology service at Columbus Children's Hospital and this passed over to his literary endeavors. At his young age, he had published 24 articles or chapters. This month he was to have presented original work in Boston and Indianapolis.

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

Helen E. Dean

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on October 6, 1981, of Helen E. Dean, Professor Emeritus in the University Libraries.

Professor Dean was born in Manhattan, Kansas, on November 3, 1905. She received her B.S. degree in 1928 from Kansas State College, Manhattan, with a major in English literature and her B.S. degree in library science from the University of Illinois in 1929. From September 1929 until June 1930, she was Acting Reference Librarian at Lawrence College, Appleton, Wisconsin; and she was a Cataloger at the University of Missouri, Columbia, from September 1930 until July 1, 1946 when she came to The Ohio State University Libraries as a member of the Catalog Department. On July 1, 1959, she became Associate Cataloger, assuming the responsibilities of the second-in-command in the Catalog Department. Ms. Dean held the rank of Assistant Professor from July 1, 1959 until July 1, 1966 when she was promoted to the rank of Associate Professor.

Professor Dean held active memberships in major library organizations both on the national and local levels. These included the American Library Association, Association of College

November 6, 1981 meeting, Board of Trustees

RESOLUTIONS IN MEMORIAM (contd)

Helen E. Dean (contd)

and Research Libraries, Beta Phi Mu, The Ohio Valley Group of Technical Service Librarians, Missouri Library Association, and the Ohio Library Association. She was also a member of the American Association of University Professors and the Archaeological Institute of America. She also published in the professional library journals.

Professor Dean retired on December 1, 1971 with 25 years of fine, devoted and loyal service. She demonstrated her total commitment to the goal of excellence in the successful training of generations of new catalogers for The Ohio State University libraries.

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

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BUDGET SUMMARY (FOURTH QUARTER, 1980-1981)

Resolution No. 82-39

Synopsis: The fourth quarter summary report of the current funds budget is presented for review.

WHEREAS the fourth quarter report of the current funds budget for the fiscal year ending June 30, 1981 is presented for review; and

WHEREAS the actual expenditures and commitments of the fourth quarter report are supported by adequate income; and

WHEREAS the variations in income represent primarily unanticipated increases in investment earnings, hospital patient volume, and grant and contract activity; and

WHEREAS the variances in expenditures represent less than one-half of one percent of budget estimates:

NOW THEREFORE

BE IT RESOLVED, That the budget report for the fourth quarter, including transfers to plant funds and transfers to endowment principal processed for the fiscal year 1980-81, be accepted.

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

November 6, 1981 meeting, Board of Trustees

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

	Revised Budget June 11, 1981	Actual Expenditures/ Commitments
Columbus Campus		
Instruction and General		
Departmental Instruction and Research	\$173,937	\$172,265
Libraries	10,862	10,346
Other Academic Support	3,681	3,789
Sponsored Programs Administration	6,423	6,562
Student Services	10,150	9,844
Plant Operation	28,674	30,531
Institutional Support	19,654	20,262
Total Instruction and General	\$253,381	\$253,599
Sponsored Research		
Federally Sponsored Programs	\$ 37,618	\$ 37,586
Other Externally Sponsored Programs	9,988	9,594
Internally Sponsored Programs	534	742
Total Sponsored Research	\$ 48,140	\$ 47,922
Public Service		
University Hospitals	\$ 99,823	\$ 99,613
Cooperative Extension Service	22,206	22,504
Externally Sponsored Programs	15,473	15,095
Internally Sponsored Programs	5,309	5,265
Total Public Service	\$142,811	\$142,477
Student Aid	\$ 7,636	\$ 7,191

November 6, 1981 meeting, Board of Trustees

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

	Revised Budget June 11, 1981	Actual Expenditures/ Commitments
Columbus Campus (contd)		
Auxiliaries		
Student Housing	\$ 24,261	\$ 24,784
Intercollegiate Athletics	10,625	11,471
University Bookstores	6,927	7,174
Student Health Service	2,781	2,762
Student Unions	2,939	3,148
Parking Facilities	2,823	2,841
University Airport	3,219	3,307
Fawcett Center for Tomorrow	1,714	1,832
Other	867	773
Total Auxiliaries	\$ 56,156	\$ 58,092
TOTAL COLUMBUS CAMPUS	\$508,124	\$509,281
Regional Campuses		
Administration	\$ 198	\$ 151
Lima Campus	2,679	2,608
Mansfield Campus	2,654	2,757
Marion Campus	1,575	1,684
Newark Campus	2,259	2,342
Agricultural Technical Institute	2,926	3,055
Wright-Patterson Graduate Center	98	103
TOTAL REGIONAL CAMPUSES	\$ 12,389	\$ 12,700
TOTAL ALL CAMPUSES	\$520,513	\$521,981
Construction and Renovation Projects	\$ 2,086	\$ 3,593
Endowment Income to Principal	\$ 350	\$ 751
GRAND TOTAL	\$522,949	\$526,325

November 6, 1981 meeting, Board of Trustees

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

	Estimated Income June 11, 1981	Actual Income 1980-81
Columbus Campus		
Government Appropriations		
State of Ohio	\$164,388	\$164,407
Federal	68,925	69,241
Other	8,296	8,986
Subtotal	\$241,609	\$242,634
Student Fees		
Instruction and General	\$ 72,534	\$ 73,270
Room and Board	20,137	20,521
Other	3,654	3,621
Subtotal	\$ 96,325	\$ 97,412
Other Income		
Auxiliary Sales and Charges	\$122,991	\$132,008
Department and University Services	14,568	15,496
Endowment Income	4,676	5,054
Gifts and Grants	20,036	20,368
Temporary Investments	10,500	12,022
Subtotal	\$172,771	\$184,948
TOTAL COLUMBUS CAMPUS	\$510,705	\$524,994
Regional Campuses		
Lima Campus	\$ 3,029	\$ 3,192
Mansfield Campus	3,017	3,126
Marion Campus	1,814	1,959
Newark Campus	2,670	2,727
Agricultural Technical Institute	3,239	3,266
Wright-Patterson Graduate Center	98	103
TOTAL REGIONAL CAMPUSES	\$ 13,867	\$ 14,373
GRAND TOTAL	\$524,572	\$539,367

November 6, 1981 meeting, Board of Trustees

NON-MANDATORY TRANSFERS TO PLANT FUNDS - FISCAL YEAR 1980-81

Account Description	Account Number	Transferred from Account Number	Amount
Unexpended Plant Funds			
Electric Expansion - West Campus	082011	010000	\$ (311.30)
Regents - Fixed Equipment	082034	010000	14,258.46
		059155	25,907.00
Cancer Center	082039	010000	105,087.59
		063976	147,852.00
Agronomy, Natural Resources, and Plant Pathology Building	082043	010000	75,000.00
Storage Barn - Moore Experimental Farm	082045	077723	14,414.00
Bulk Chemical Warehouse	082046	010000	560,000.00
Athletic Fields - Lights	082047	010000	306,530.00
Jesse Owens Plaza	082048	010000	25,000.00
Health Science Center Road	082049	010000	55,900.00
Eye Center	082050	025415	18,000.00
Sphinx Plaza	082051	036424	15,550.00
Total Unexpended Plant Funds			\$ 1,363,187.75
Renewals and Replacements - Remodeling and Renovation			
Dormitory Contingency Fund	085049	017200	\$ 887,283.00
Orton Hall Renovation	085066	010000	6,800.00
Public Safety Building	085067	010000	18,102.00
Parking Lot Repairs	085071	010000	6,938.00
		016007	437,888.00
Computer Design Lab	085072	010000	2,210.00
		036480	8,490.00
North Dormitories - Retrofitting	085088	017301	60,000.00
Sawtooth Replacement - Phase I	085090	010000	251,000.00
Parking Lot Repairs - Lima Campus	085095	010928	(1,100.00)
Galvin Hall	085096	010928	(14,627.00)
Sullivant Hall	085101	010000	(6,615.00)
Arena - Steam Line	085104	010000	(2,648.14)
St. John Arena - Lockers	085106	016019	198,822.30
Parks Hall	085107	022781	(3,797.00)
Dentistry Labs	085108	010000	(14.28)
Smith Lab	085110	010000	(2,130.00)
McPherson Chemical Lab	085111	010000	(5,678.00)
Foundry Glass Building	085113	010000	(1,573.00)
IRCC-CIS Computer Lab	085114	010000	(7,184.00)
Golf Course Dam	085115	016019	1,709.20
Orton Hall - Steps	085117	010000	56,500.00
Converse Hall - Archives	085118	010000	3,018.35
Galvin Hall - Game Room	085123	010928	(10,238.00)
Faculty Club - Improvements	085125	010000	2,842.00
Mendenhall Laboratory	085130	010000	(6,601.00)
Woodruff Avenue Widening	085132	010000	40,793.00
Hagerty Hall	085134	010000	56,536.00

November 6, 1981 meeting, Board of Trustees

NON-MANDATORY TRANSFERS TO PLANT FUNDS - FISCAL YEAR 1980-81 (contd)

Account Description	Account Number	Transferred from Account Number	Amount
Renewals and Replacements - Remodeling and Renovation (contd)			
Caldwell Laboratory	085135	010000	\$ 40,000.00
McPherson Chemical Lab	085136	010000	28,714.00
Hitchcock Hall	085137	010000	31,405.00
B & Z Building	085138	010000	67,572.00
French Field House - Track	085139	016019	32,500.00
		036723	50,000.00
Hitchcock Hall	085140	010000	15,188.00
		022315	17,000.00
		033459	20,000.00
Ramseyer Hall	085141	010000	40,862.00
		057148	40,420.00
Hitchcock Hall	085142	010000	33,436.00
Mathematics Building	085143	010000	30,000.00
Brown Hall	085145	010000	30,829.00
Wiseman Hall	085146	021601	50,402.00
		023719	37,021.00
		027769	5,000.00
Medical Administration Center - Lobby	085147	010000	150,000.00
Twelfth and High - Intersection	085148	010000	10,000.00
Ohio Union - Steps	085149	010000	31,545.00
West Campus - Walks	085150	010000	17,000.00
Ninth Avenue Ramp	085151	010000	20,000.00
Newton Hall	085152	010000	110,000.00
McCracken Power Plant	085154	010000	66,000.00
Roofing Projects	085155	010000	556,700.00
Masonry Projects	085156	010000	112,500.00
Painting and Waterproofing Projects	085157	010000	154,200.00
HVAC Systems Rehabilitation Projects	085158	010000	181,000.00
McCracken Power Plant - Coal-Fired Boiler	085159	010000	100,000.00
Administration Building Basement	085161	010000	100,128.00
Hagerty Hall	085165	010000	81,723.00
Baker Systems Engineering Building	085166	010000	56,431.00
Total Renewals and Replacements - Remodeling and Renovation			\$ 4,294,302.43
Reserves - Repairs and Replacements			
Registration Services	086904	010000	\$ 17,040.65
Business and Administration	086905	010000	8,391.56
University Systems	086906	010000	(35,000.00)
Business Management	086907	010000	(11,872.00)
Physical Facilities	086909	010000	81,525.77
Police	086910	010000	11,444.00

November 6, 1981 meeting, Board of Trustees

NON-MANDATORY TRANSFERS TO PLANT FUNDS - FISCAL YEAR 1980-81 (contd)

Account Description	Account Number	Transferred from Account Number	Amount
Reserve - Repairs and Replacements (contd)			
Traffic and Parking	086911	016007	\$ 50,362.00
Stores	086913	014001	34,650.00
Laundry	086914	014004	5,500.00
Office Equipment Repair	086915	014003	23,600.00
Printing Facility	086916	014002	315,850.00
Bookstore	086918	016003	70,600.00
Physical Facilities - Improvements	086920	014010	60,000.00
		014011	50,000.00
		014110	40,779.19
University Airport	086921	011541	17,723.52
		016014	66,613.75
Meats Laboratory	086922	011072	19,000.00
Fire Safety	086923	010000	8,200.00
Housing Commission No. 1	086924	016101	1,050.00
Housing Commission No. 2	086925	016102	4,700.00
University Properties	086926	016300	7,500.00
Endowment Properties	086927	016350	10,100.00
North Campus Apartments	086928	016390	2,050.00
Property Management	086929	016015	1,950.00
University Properties - Improvements	086930	016300	35,500.00
Endowment Properties - Improvements	086931	016350	10,000.00
North Campus Apartments - Improvements	018932	016390	3,600.00
Housing Commission No. 2 - Improvements	086934	016102	58,300.00
Drake Union	086935	016005	(32,558.00)
Bookstore - Improvements	086937	016003	58,000.00
Telecommunications	086938	010000	75,000.00
		059380	(10,083.00)
Internal Auditing	086944	010000	1,000.00
Learning Resources	086945	010000	25,000.00
Libraries	086948	010000	25,000.00
Fawcett Center	086952	010000	50,000.00
Inventory	086955	010000	1,200.00
Laundry Improvements	086956	014004	21,000.00
Alumni Information Service	086958	010000	20,326.00
Educational Services	086959	010000	100,000.00
Stadium Turf	086962	016019	100,000.00
Ohio Union - Improvements	086963	016020	73,000.00
Transportation	086964	014100	675,000.00
University Hospitals - Capital Equipment	086995	019000	4,560,000.00
Plant Funds - General	086999	010000	1,466,268.00
Total Reserves - Repairs and Replacements			\$ 8,177,311.44
Total Non-Mandatory Transfers to Plant Funds			\$13,834,801.62

November 6, 1981 meeting, Board of Trustees

NON-MANDATORY TRANSFERS TO PLANT FUNDS - FISCAL YEAR 1980-81 (contd)

RECAP

	Account Range	Amount
Current General	010000	\$ 5,462,517.66
Current General - Regional Campuses	0109xx	(25,965.00)
Current General - Department Earnings	011xxx	36,723.52
Current General - Service Accounts	014xxx	1,226,379.19
Auxiliary Enterprises	016xxx	1,191,687.25
Residence and Dining Halls	017xxx	947,283.00
Hospitals	019xxx	4,560,000.00
Current Restricted - Endowment	02xxxx	123,626.00
Current Restricted - Development Fund	03xxxx	94,040.00
Current Restricted - Other	05xxxx	56,244.00
Current Restricted - OSURF	06xxxx	147,852.00
Endowment Principal	07xxxx	14,414.00
Total		\$13,834,801.62
Current Unrestricted - E & G		\$ 6,699,655.37
Current Unrestricted - Auxiliaries		2,138,970.25
Current Unrestricted - Hospitals		4,560,000.00
Current Restricted Funds		421,762.00
Endowment and Similar Funds		14,414.00
Total Non-Mandatory Transfers to Plant Funds		\$13,834,801.62

**TRANSFERS OF UNRESTRICTED ENDOWMENT INCOME TO PRINCIPAL
Fiscal Year 1980-81**

Account Description	Account Number	Amount
General Endowment Fund	015001	\$ 2,558.37
The Corrugated Container Company Fund	015003	635.64
Robert C. Craig Memorial Fund	015004	443.38
Max M. Fisher Foundation	015006	1,033.87
Clara Ihrig Linhardt Memorial Fund	015015	9,683.73
M. Wilson McConnell Fund	015016	767.28
Smith L. Rairdon Fund	015022	611.49
E. A. VanVechten Memorial Fund	015025	539.54
Hazel C. Youngberg Memorial Fund	015027	1,244.07
Carl E. Steeb Memorial Fund	015028	585.67
Unrestricted Gifts--Principal	077435	\$ 18,103.04
Mershon Unrestricted Fund	015018	\$383,237.96
N. G. Fawcett Chair--Principal	072134	\$383,237.96
Mershon Unrestricted Fund	015018	\$350,000.00
H. & A. Enarson Professorship--Principal	071968	\$350,000.00
GRAND TOTAL		\$751,341.00

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November 6, 1981 meeting, Board of Trustees

HONORARY DEGREES

Resolution No. 82-40

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

WHEREAS the Committee on Honorary Degrees and the University Senate, pursuant to rule 3335-5-57 of the Administrative Code, have approved for recommendation to the Board of Trustees awarding of honorary degrees as listed below:

Merritt Madison Chambers	Doctor of Humane Letters
W. Edwards Deming	Doctor of Science
Robert M. Lumiansky	Doctor of Humane Letters
Elmer B. Staats	Doctor of Humane Letters
Ferdinand Fairfax Stone	Doctor of Humane Letters
Barbara Tuchman	Doctor of Humane Letters

NOW THEREFORE

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

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

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DEGREES AND CERTIFICATES - AUTUMN QUARTER COMMENCEMENT

Resolution No. 82-41

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

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

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

NOW THEREFORE

BE IT RESOLVED, That the degrees and certificates be conferred on December 11, 1981, to those persons who have completed the requirements for their respective degrees and certificates and are recommended by the colleges and schools and that the names of those persons awarded degrees and certificates be included in the minutes of this meeting.

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

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PERSONNEL ACTIONS

Resolution No. 82-42

Synopsis: In addition to the regular personnel actions taken since the last meeting, the following Appointments, Medical Staff Appointments, Leave of Absence Without Salary, Professional Improvement Leaves, and Emeritus Titles are recommended for approval.

RESOLVED, That the personnel actions as recorded in the Personnel Budget Records of the University since the October 2, 1981 meeting of the Board, including the following Appointments, Medical Staff Appointments, Leave of Absence Without Salary, Professional Improvement Leaves, and Emeritus Titles as detailed in the University Budget, be approved.

Appointments

Name: LARRY RICHARD THOMPSON
Title: Special Assistant to the President (Temporary)
Office: President's Office
Salary: \$49,080.00 (12-month)
Effective: November 9, 1981
Present Position: Associate, Vorys, Sater, Seymour & Pease, Columbus, Ohio

Name: WELDON E. IHRIG
Title: Acting Vice President
Office: Finance and Planning
Salary: \$49,200.00 (12-month)
Effective: November 1, 1981
Present Position: Assistant Vice President, Office of Business and Administration

Name: JUDITH B. WASHBURN
Title: Acting Special Assistant to the President
Office: President's Office
Salary: \$49,080.00 (12-month)
Effective: Immediately
Present Position: Assistant Vice President, Office of Finance and Planning

Name: WARREN L. ROLLER
Title: Professor and Chairman (45 per cent)
Department: Agricultural Engineering
Salary: \$22,410.00 (12-month)
Effective: October 1, 1981
Present Position: Professor and Acting Chairman, Department of Agricultural Engineering at The Ohio State University and the Ohio Agricultural Research and Development Center

November 6, 1981 meeting, Board of Trustees

PERSONNEL ACTIONS (contd)

Medical Staff Appointments

Effective January 1, 1981

William Molnar, M.D.	Transfer from Attending staff in Radiology to Honorary staff	Professor Emeritus
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Effective July 1, 1981

J. Charles Garvin, M.D.	Courtesy staff in Ophthalmology	Clinical Assistant Professor
Theophil T. Sutton, M.D.	Courtesy staff in Preventive Medicine (Emergency Medicine)	Clinical Instructor
Beverly Johnson Nahman, M.D.	Limited staff in Radiology (Diagnostic)	Clinical Instructor H.S.

Effective August 1, 1981

Walter B. Hull, M.D.	Limited staff (Fellow) in Obstetrics and Gynecology	Clinical Instructor H.S.
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Effective August 5, 1981

Julian Bendelstein, M.D.	Limited staff in Family Medicine	Clinical Instructor H.S.
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Effective August 10, 1981

Richard P. Harmel, Jr., M.D.	Attending staff in Surgery (Pediatric Surgery)	Assistant Professor
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Effective August 24, 1981

Lawrence M. Lubbers, M.D.	Attending staff in Surgery (Orthopaedic Surgery)	Clinical Instructor
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Effective September 1, 1981

Bhagwandas Gupta, M.D.	Attending staff in Anesthesiology	Assistant Professor
Richard M. Rosenblatt, M.D.	Attending staff in Anesthesiology	Associate Professor
Carlos DeCarvalho, M.D.	Limited staff in Medicine (Neurology)	Clinical Instructor H.S.

November 6, 1981 meeting, Board of Trustees

PERSONNEL ACTIONS (contd)

Leave of Absence Without Salary

R. ERIC RENTSCHLER, Assistant Professor, Department of German, effective April 1, 1982 through June 30, 1982, to accept a Visiting Assistant Professor position at the University of California at Irvine.

Professional Improvement Leaves

EUGENE CAPIROTTI, Professor, Department of Astronomy, effective Autumn Quarter 1982, Winter Quarter 1983, and Spring Quarter 1983.

DAVID J. HORN, Professor, Department of Entomology, effective Autumn Quarter 1982, Winter Quarter 1983, and Spring Quarter 1983.

ROBERT H. MILLER, Professor, Department of Agronomy, effective Summer Quarter 1982, Autumn Quarter 1982, Winter Quarter 1983, and Spring Quarter 1983.

ROBERT T. ROSS, Professor, Department of Biochemistry, effective Autumn Quarter 1982, Winter Quarter 1983, Spring Quarter 1983, and Summer Quarter 1983.

MICHAEL KLAPPER, Associate Professor, Department of Chemistry, effective Spring Quarter 1982 and Autumn Quarter 1982.

JAMES MORGANSTERN, Associate Professor, Department of History of Art, effective Autumn Quarter 1982, Winter Quarter 1983, and Spring Quarter 1983.

D. L. PALMQUIST, Associate Professor, Department of Dairy Science, effective Spring Quarter 1982 and Summer Quarter 1982.

MARC LEE RAPHAEL, Associate Professor, Department of History, effective Autumn Quarter 1982, Winter Quarter 1983, and Spring Quarter 1983.

Emeritus Titles

SAMUEL W. BONE, Department of Agronomy, with the title Professor Emeritus, effective October 1, 1981.

THOMAS SKILLMAN, Department of Medicine, with the title Professor Emeritus, effective November 1, 1981.

CHESTER E. BALL, Department of Photography and Cinema, with the title Assistant Professor Emeritus, effective October 1, 1981.

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

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November 6, 1981 meeting, Board of Trustees

REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS

Resolution No. 82-43

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

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

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

NOW THEREFORE

BE IT RESOLVED, That the research agreements between The Ohio State University and The Ohio State University Research Foundation for the contracts and grants reported herein, and the acceptance of the reports from the Office of Business and Administration, the Engineering Experiment Station, and The Ohio State University Development Fund during the month of September 1981, be approved.

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

SUMMARY FOR SEPTEMBER 1981

Source	No. of Projects	Support Level
The Ohio State University Research Foundation	90	\$5,168,995.00
Engineering Experiment Station	39	312,099.00
		\$5,481,094.00
The Ohio State University Development Fund		
Establishment of Named Funds		
The William M. Batten Distinguished Visitor Fund (College of Administrative Science)		\$ 100,000.00

November 6, 1981 meeting, Board of Trustees

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

SUMMARY FOR SEPTEMBER 1981

The Ohio State University Development Fund (contd)

Establishment of Named Funds (contd)

The McGregor Fund Finance, Banking and Accounting Scholarship (Scholarships - College of Administrative Science)	\$ 50,000.00
Helen Sells Clarkson Memorial Scholarship (Colleges of Arts and Sciences or College of Agriculture and Home Economics)	\$ 45,000.00
The History Enrichment Fund (Department of History)	\$ 40,000.00
The C. B. "Bill" Smith Scholarship Fund in Civil Engineering (Department of Civil Engineering)	\$ 6,990.00
The Hilandar Research Project Endowment Fund (Library acquisitions, research and publications)	\$ 5,860.00
The Philip P. Poirier Memorial Fund (Department of History)	\$ 5,000.00

Report from Presidents Club

Members to date	4,503
1981 members: year to date	116
New members - September 1981	14

New Presidents Club Members - September 1981

David C. Bell
John W. Berry
Richard C. Bump
James L. Coffey
Joseph J. DeMelio
Henry A. DiBlasio
Chad I. Friedman

Nicholas Gerber
Donald D. Glower, Sr.
Laura S. Gunnels
Allen L. Huneke
William P. Krakoff
Carl V. Leier
Susan R. Paddock

November 6, 1981 meeting, Board of Trustees

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

FIRST QUARTER SUMMARY

July 1, 1981 through September 30, 1981

OFFICE OF BUSINESS AND ADMINISTRATION

Source	No. of Projects	Support Level
FEDERAL	6	\$ 155,493.00
STATE OF OHIO	7	2,756,936.11
OTHER NON-FEDERAL	1	10,000.00
GRAND TOTAL	14	\$2,922,429.11

November 6, 1981 meeting, Board of Trustees

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

FIRST QUARTER SUMMARY

July 1, 1981 through September 30, 1981

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION

Source	No. of Projects	Support Level
FEDERAL		
National Aeronautics and Space Administration	8	\$ 278,729.00
National Science Foundation	33	1,747,525.00
Department of Defense	18	676,362.00
Department of Energy	5	216,068.00
Department of Education	22	2,314,783.00
Department of Health and Human Services	50	4,648,283.00
Other Federal	24	2,558,823.00
TOTAL - FEDERAL	160	\$12,440,573.00
STATE OF OHIO	11	\$ 301,519.65
INDUSTRIAL, PRIVATE, AND OTHER NON-FEDERAL SPONSORS	77	\$ 2,612,058.00
GRAND TOTAL	248	\$15,354,150.65

November 6, 1981 meeting, Board of Trustees

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

FIRST QUARTER SUMMARY

July 1, 1981 through September 30, 1981

ENGINEERING EXPERIMENT STATION

Source	No. of Projects	Support Level
STATE	3	\$ 207,992.00
INDUSTRIAL AND OTHER	112	1,017,913.00
GRAND TOTAL	115	\$1,225,905.00

November 6, 1981 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION

Federal Research Contracts/Grants

\$359,996.00 - Department of Education, Office of Vocational and Adult Education, Washington, D. C., Linking Community-Collaborative Comprehensive Programs of Career Guidance with Youth Education and Employment Initiatives, The National Center for Research in Vocational Education (R. E. Taylor), 1 October 1981 through 30 September 1983. (Project 762892 - New)

\$350,930.00 - Department of Education, National Institute of Education, Washington, D. C., ERIC Clearinghouse on Adult, Career, and Vocational Education, The National Center for Research in Vocational Education (R. E. Taylor), 14 September 1981 through 13 September 1982. (Project 762872 - Continuation)

\$330,000.00 - National Science Foundation, Washington, D. C., Emergent Citizen Groups in Disaster Preparedness and Recovery Activities, Department of Sociology (E. L. Quarantelli), 15 September 1981 through 28 February 1983. (Project 762862 - New)

\$238,986.00 - International Development Cooperation Agency, Agency for International Development, Washington, D. C., Assessment of Rural Financial Markets in Honduras, Department of Agricultural Economics and Rural Sociology (D. H. Boyne and D. H. Graham), 1 June 1981 through 30 June 1982. (Project 760927 - Continuation)

\$226,105.00 - Environmental Protection Agency, Great Lakes National Program Office, Chicago, Illinois, Lake Erie Monitoring Program: Main Lake Water Quality and Cladophora, Center for Lake Erie Area Research (C. Herdendorf) and Department of Civil Engineering (R. Stiefel), 1 July 1981 through 31 December 1982. (Project 762280 - Continuation)

\$207,767.00 - Department of Education, Office of Special Education, Washington, D. C., Adaptation of the Resource Version of the Career Planning System (CPS) for Use with Microcomputers, The National Center for Research in Vocational Education (R. E. Taylor), 15 September 1981 through 14 March 1983. (Project 762894 - New)

\$197,000.00 - Department of Education, Office of Higher and Continuing Education, Washington, D. C., National Resource Center Support and Fellowships for Slavic and East European Studies, Department of Slavic and East European Languages and Literatures (L. I. Twarog) and Graduate School - Administration (J. B. LaPidus), 15 August 1981 through 14 August 1982. (Project 762823 - Continuation)

\$162,676.00 - Department of Health and Human Services, Office of Human Development Services, Administrative Developmental Disabilities, Chicago, Illinois, UAF Administration and Operation, Nisonger Center for Mental Retardation (M. J. Guralnick), 30 June 1981 through 29 June 1982. (Project 760751 - Continuation)

November 6, 1981 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

\$150,250.00 - Department of Education, Office of Higher and Continuing Education, Washington, D. C., National Resource Centers and Fellowships Program - East Asia, University Center for International Studies (J. Adams), Department of Anthropology (C. M. Chen), and Graduate School - Administration (J. B. LaPidus), 15 August 1981 through 14 August 1982. (Project 762844 - Continuation)

\$135,449.00 - Department of Education, Office of Higher and Continuing Education, Washington, D. C., Upward Bound, Office of Minority Affairs (R. T. McDonald), 1 September 1981 through 31 August 1982. (Project 762324 - Continuation)

\$115,796.00 - Department of Justice, National Institute of Justice, Washington, D. C., Property Crime Victimization and Crime Prevention: A Study Among Farm Operators, Department of Agricultural Economics and Rural Sociology (J. F. Donnermeyer and G. H. Phillips), 1 September 1981 through 31 August 1983. (Project 762847 - New)

\$110,584.00 - Department of Education, Office of Postsecondary Education, Washington, D. C., Special Services Program for Disadvantaged Students, University College - Administration (M. A. Stewart), 1 September 1981 through 31 August 1982. (Project 762867 - New)

\$109,357.00 - Department of Education, Office of Special Education, Washington, D. C., Project Interaction, Academic Faculty for Exceptional Children (T. Heron and W. Heward), 1 September 1981 through 31 August 1982. (Project 761808 - Continuation)

\$90,000.00 - Department of Agriculture, Arlington, Virginia, Hypobiotic and Antigenic Changes in *Ostertagia Ostertagi* During Environmental Adaptation, Department of Veterinary Pathobiology (R. P. Herd), 1 September 1981 through 31 August 1983. (Project 762846 - New)

\$87,500.00 - Department of Education, Office of Higher and Continuing Education, Washington, D. C., National Resource Centers and Fellowships Program - Near and Middle East, University Center for International Studies (J. S. Adams), Department of History (S. Dale), and Graduate School - Administration (J. B. LaPidus), 15 August 1981 through 14 August 1982. (Project 762845 - Continuation)

\$83,542.00 - Department of the Army, Natick Research and Development Laboratories, Natick, Massachusetts, Feasibility and Means of Flavor Enhancement of Low Fat Dry Milk and Dry Whole Milk, Department of Food Science and Nutrition (D. B. Min), 1 September 1981 through 31 May 1983. (Project 762854 - New)

November 6, 1981 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

\$80,000.00 - Department of Labor, Employment and Training Administration, Washington, D. C., National Longitudinal Studies of Labor Force Behavior, Center for Human Resource Research, Academic Faculty of Labor and Human Resources (M. E. Borus), 1 October 1981 through 30 September 1982. (Project 760081 - Continuation)

\$62,682.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Neurological and Communicative Disorders and Stroke, Bethesda, Maryland, The Neural Control of Temperature Regulation, Department of Physiology (J. A. Boulant), 1 September 1981 through 31 August 1982. (Project 761187 - Continuation)

\$60,500.00 - Department of Energy, SERI Site Office, Golden, Colorado, Solar University Research Program, Department of Biochemistry (E. L. Gross), 1 September 1981 through 31 August 1982. (Project 761812 - Continuation)

\$55,108.00 - National Aeronautics and Space Administration, Washington, D. C., Infrared Spectroscopic Investigation of Gases to Support Stratospheric Studies, Department of Physics (J. H. Shaw), 1 November 1981 through 31 October 1982. (Project 761420 - Continuation)

\$51,778.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Oncology Training Grant, Department of Medicine (S. P. Balcerzak), 1 July 1981 through 30 June 1982. (Project 761160 - Continuation)

\$50,000.00 - Department of Education, Office of International Education, Washington, D. C., The Ohio State-Purdue Russian Language Program at the Pushkin Institute in Moscow, USSR, Department of Slavic and East European Languages and Literatures (L. I. Twarog), 15 August 1981 through 15 April 1982. (Project 762822 - New)

\$49,997.00 - Department of the Navy, Naval Air Development Center, Warminster, Pennsylvania, On Aircraft Antennas, Department of Electrical Engineering, ElectroScience Laboratory (R. Rudduck), 17 September 1981 through 30 September 1982. (Project 762414 - Continuation)

\$48,506.00 - National Science Foundation, Washington, D. C., Microparticle Analysis and Glaciological Interpretation of the 500-m Ice Core, South Pole Antarctica, Institute of Polar Studies (D. H. Elliot, E. Mosley-Thompson, and L. Thompson), 1 October 1981 through 30 September 1982. (Project 762875 - New)

November 6, 1981 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

\$48,179.00 - National Science Foundation, Washington, D. C., Mt. Erebus, Antarctica, Seismic Study, Institute of Polar Studies (D. H. Elliot and P. R. Kyle), 1 September 1981 through 30 September 1982. (Project 762386 - Continuation)

\$45,000.00 - National Science Foundation, Washington, D. C., Kirkpatrick Basalt Group, North Victoria Land, Antarctica, Institute of Polar Studies (D. H. Elliot and G. Faure), 1 September 1981 through 31 August 1982. (Project 762871 - New)

\$41,032.00 - National Science Foundation, Washington, D. C. Microcomputer Control of Machine Tool Feed Drives, Department of Chemical Engineering (K. Srinivasan), 15 September 1981 through 28 February 1983. (Project 762809 - New)

\$38,490.00 - Department of the Army, Army Corps of Engineers, Buffalo, New York, Lake Erie Watershed Reduced Tillage Practices, Department of Agronomy (B. L. Schmidt) and Cooperative Extension Service - State Operations (C. J. Cunningham), 1 July 1981 through 31 March 1982. (Project 762860 - Continuation)

\$37,268.00 - Nuclear Regulatory Commission, Washington, D. C., Development of an in Situ Method for Testing of Neutron Sensors Used in Nuclear Power Reactor Protection Systems, Engineering Experiment Station (D. W. Miller), 30 September 1981 through 30 September 1982. (Project 762880 - New)

\$36,245.00 - National Science Foundation, Washington, D. C., Characterization of Tegumentary Membrane-Bound Enzymes of Gastrointestinal Parasites, Department of Zoology (P. W. Pappas), 1 November 1981 through 31 October 1982. (Project 762358 - New)

\$35,080.00 - Department of Education, Fund for the Improvement of Postsecondary Education, Washington, D. C., Cooperative On-Site Instruction Program for Columbus Business and Industry, Office of Academic Affairs, Continuing Education Administration (M. Garland and A. Adams), 1 September 1981 through 30 August 1982. (Project 762861 - New)

\$33,750.00 - Department of Health and Human Services, Public Health Service, Health Resources Administration, Division of Associated Health Professions, Hyattsville, Maryland, Graduate Programs in Health Administration, School of Allied Medical Professions (S. F. Loeb), 1 October 1981 through 30 September 1982. (Project 761329 - Continuation)

November 6, 1981 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

\$30,000.00 - Department of Commerce, National Oceanic and Atmospheric Administration, Washington, D. C., Analysis of the Quelccaya Ice Cap Climate Record, Institute of Polar Studies (D. H. Elliot and E. M. Thompson), 1 September 1981 through 31 August 1982. (Project 762884 - New)

\$30,000.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, Development of Low Cost Filler Materials for Welding High Strength Steels and Titanium Alloys, Department of Welding Engineering (D. G. Howden), 1 September 1981 through 31 August 1983. (Project 762890 - New)

\$28,300.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, Models and Mechanisms of Acute Lung Injury After Shock, Department of Surgery (L. C. Carey and B. D. Lowery), 1 July 1981 through 30 June 1982. (Project 761744 - Continuation)

\$23,901.00 - Congressional Research Service, The Library of Congress, Washington, D. C., State Regulation of Natural Gas Utilities, National Regulatory Research Institute (D. N. Jones and K. A. Kelly), 18 September 1981 through 31 December 1981. (Project 762877 - New)

\$19,740.00 - National Science Foundation, Washington, D. C., Third International Symposium on Antarctic Glaciology, Institute of Polar Studies (D. H. Elliot) and College of Mathematical and Physical Sciences - Administration (C. B. Bull), 15 August 1980 through 31 January 1983. (Project 762361 - New)

\$18,297.00 - Department of Education, Office of Special Education, Washington, D. C., The Ohio State University Preservice Training Project for Special Education Personnel, Academic Faculty for Exceptional Children (P. Connard), 1 August 1981 through 31 May 1982. (Project 762853 - New)

\$18,000.00 - National Science Foundation, Washington, D. C., Gondwana Geology of the Falkland Islands, Institute of Polar Studies (D. H. Elliot), 1 September 1981 through 31 August 1982. (Project 762852 - New)

\$16,000.00 - Department of Energy, Chicago Operations and Regional Office, Argonne, Illinois, University Reactor Sharing Program, Engineering Experiment Station (B. K. Hajek), 1 September 1981 through 31 August 1982. (Project 762411 - Continuation)

\$15,808.00 - Department of Energy, Oakridge Operations, Oak Ridge, Tennessee, The Pre-Freshman Engineering Program (PREP), College of Engineering - Administration (M. M. McGee), 9 September 1981 through 31 August 1982. (Project 762881 - Continuation)

November 6, 1981 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

\$13,515.00 - Environmental Protection Agency, Cincinnati, Ohio, Round Robin Testing of the Midge (*Tanytarsus*) Acute and Chronic Toxicity Tests, Department of Entomology (W. J. Collins), 1 September 1981 through 1 February 1982. (Project 762849 - New)

\$13,196.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Arthritis, Diabetes, Digestive and Kidney Diseases, Bethesda, Maryland, Mechanical Control and Energetics of Muscle Contraction, Department of Physiology (E. Bozler), 1 September 1981 through 31 August 1982. (Project 760924 - Continuation)

\$10,782.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, Purchase of NMR Spectrometer for Core User Group, Department of Chemistry (D. Horton and L. J. Berliner), 1 September 1981 through 31 August 1982. (Project 761911 - Continuation)

\$9,995.00 - Department of Agriculture, Forest Service, Broomall, Pennsylvania, Artificial Trees as a Means of Increasing Populations of Primary Cavity Nesters in Clear-Cuts, Department of Zoology (T. G. Grubb, Jr.), 1 September 1981 through 30 August 1983. (Project 762863 - New)

\$9,950.00 - Department of Health and Human Services, Public Health Service, Communicable Disease Control, National Institute for Occupational Safety and Health, Cincinnati, Ohio, Development of an Interdisciplinary Course in Occupational Health Engineering, Department of Industrial and Systems Engineering (P. J. Smith and T. H. Rockwell), 10 September 1981 through 11 October 1982. (Project 762879 - New)

\$6,097.00 - National Science Foundation, Washington, D. C., Late Cretaceous and Early Tertiary Biogeography of the Southern Circum-Pacific, Institute of Polar Studies (D. H. Elliot and W. J. Zinsmeister), 16 September 1981 through 31 December 1982. (Project 762348 - Continuation)

\$5,505.00 - Department of Education, Office of Special Education, Washington, D. C., Design for a Cooperative Program to Prepare Teachers of Visually Handicapped for the State of West Virginia, Academic Faculty for Exceptional Children (M. E. Ward), 1 August 1981 through 31 May 1982. (Project 762858 - New)

\$4,267.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Arthritis, Metabolism and Digestive Diseases, Bethesda, Maryland, Effects of Dietary Change on Lipid Biosynthesis, Department of Physiological Chemistry (H. W. Sprecher), 1 May 1981 through 30 April 1982. (Project 764415 - Continuation)

November 6, 1981 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

\$2,500.00 - National Endowment for the Arts, Washington, D. C., The Logan Elm Press Arts-of-the-Book Continuing Workshop Program, Department of Art Education (K. A. Marantz), 1 July 1981 through 30 April 1982. (Project 762868 - New)

\$1,200.00 - Department of Education, Office of Libraries and Learning Technologies, Washington, D. C., Acquisition of Academic Library Resources for Agricultural Technical Institute, Wooster, University Libraries (G. Guthrie), 1 October 1981 through 30 September 1982. (Project 762874 - New)

\$1,200.00 - Department of Education, Office of Libraries and Learning Technologies, Washington, D. C., Acquisition of Academic Library Resources for the Marion Regional Campus, University Libraries (G. Guthrie), 1 October 1981 through 30 September 1982. (Project 762870 - New)

\$1,200.00 - Department of Education, Office of Libraries and Learning Technologies, Washington, D. C., Acquisition of Academic Library Resources for the Newark Regional Campus, University Libraries (G. Guthrie), 1 October 1981 through 30 September 1982. (Project 762873 - New)

\$629.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Neurological and Communicative Disorders and Stroke, Bethesda, Maryland, Biochemical Neuropathology, Department of Physiological Chemistry (L. A. Horrocks), 1 July 1980 through 30 June 1982. (Project 760708 - Continuation)

TOTAL - FEDERAL RESEARCH CONTRACTS/GRANTS **\$4,009,635.00**

State of Ohio Research Contracts/Grants

\$21,800.00 - State of Ohio, Department of Mental Health, Columbus, Ohio, Graduate Training Program in Psychology, Department of Psychology (H. L. Mirels), 14 July 1981 through 30 June 1982. (Project 762865 - New)

\$16,500.00 - State of Ohio, Department of Mental Health, Columbus, Ohio, Graduate Training Program in Social Work, College of Social Work (R. O. Washington), 14 July 1981 through 30 June 1982. (Project 762864 - New)

\$6,437.00 - Ohio Youth Commission, Columbus, Ohio, Intern Training for Teaching Academic and Social Skills to Special Education Students, Academic Faculty for Exceptional Children (D. S. Hill), 1 July 1981 through 21 October 1981. (Project 762739 - New)

TOTAL - STATE OF OHIO RESEARCH CONTRACTS/GRANTS **\$ 44,737.00**

November 6, 1981 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

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

\$207,328.00 - SRI, International, Menlo Park, California, Research Agenda on Studies of the Impact of Government-Sponsored JSA and Tax Subsidy Programs on Private Employers, The National Center for Research in Vocational Education (R. E. Taylor), 1 July 1981 through 31 December 1981. (Project 762882 - New)

\$131,141.00 - Electric Power Research Institute, Palo Alto, California, Corrosion and Corrosion Cracking for Water Cooled Reactors, Department of Metallurgical Engineering (D. D. Macdonald), 1 September 1981 through 31 December 1981. (Project 760982 - Continuation)

\$89,481.00 - Hospital, Institution, and Educational Food Service Society, Hillside, Illinois, A Competency Assurance System for Dietetic Assistants and Dietetic Technicians, Academic Faculty of Educational Foundations and Research (A. G. D'Costa), 16 September 1981 through 30 June 1983. (Project 762876 - New)

\$71,610.00 - University of Michigan, Ann Arbor, Michigan, Genes on Mitochondrial DNA, Department of Genetics (P. S. Perlman), 1 July 1981 through 30 June 1982. (Project 761294 - Continuation)

\$61,965.00 - Control Data Corporation, Minneapolis, Minnesota, Analysis of Emerging Electronics - Related Occupations and Potential for CDC Program Development, The National Center for Research in Vocational Education (R. E. Taylor), 1 January 1981 through 31 December 1981. (Project 762561 - Continuation)

\$61,418.00 - Muscular Dystrophy Association, New York, New York, Clinical Investigation of Duchenne Dystrophy, Department of Medicine (J. R. Mendell), 1 July 1981 through 30 June 1982. (Project 761360 - Continuation)

\$52,609.00 - Teledyne Wah Chang Albany, Albany, Oregon, Nodular Corrosion of Zircalloys in High-Temperature Steam, Department of Metallurgical Engineering (D. D. Macdonald), 1 October 1981 through 30 September 1982. (Project 762848 - New)

\$43,156.00 - University of Cincinnati, Department of Orthopaedic Surgery, Cincinnati, Ohio, OSU Participation in NIH Grant No. R01 AM27517-02 Title "Bio-Mechanics of Ligament/Tendon Repair and Grafts," Department of Veterinary Clinical Sciences (R. B. Hohn and M. L. Olmstead), 1 August 1981 through 31 July 1982. (Project 762827 - New)

\$39,998.00 - State of Iowa, Department of Public Instruction, Des Moines, Iowa, Third-Party Evaluation of Four Area Planning Councils, The National Center for Research in Vocational Education (R. E. Taylor), 1 September 1981 through 28 February 1983. (Project 762855 - New)

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

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

\$35,000.00 - McDonnell Douglas Corporation, St. Louis, Missouri, Support Services for Electromagnetic Design of RAM/RAS and Non-Specular Scattering, Department of Electrical Engineering, ElectroScience Laboratory (B. A. Munk), 4 September 1981 through 3 September 1982. (Project 762859 - New)

\$31,350.00 - University of California-Davis, Davis, California, Intensive Forage Production Systems for Smallholder Sheep and Goat Producers, International Programs in Agriculture (H. D. Bauman) and Department of Agronomy (R. W. Van Keuren), 7 August 1981 through 30 September 1981. (Project 761949 - Continuation)

\$31,000.00 - State of Ohio, Department of Education, Columbus, Ohio, and Southern Illinois University at Carbondale, Carbondale, Illinois, Consortium for the Development of Professional Materials for Vocational Education, The National Center for Research in Vocational Education (R. E. Taylor), 1 September 1981 through 31 August 1982. (Project 762856 - Continuation)

\$31,000.00 - University of Tennessee, Knoxville, Tennessee, Ultrasonic Non-destructive Evaluation of Columnar Structures in Anisotropic Materials, Department of Welding Engineering (L. Adler), 15 March 1981 through 14 March 1982. (Project 762453 - Continuation)

\$30,000.00 - Adria Laboratories, Inc., Columbus, Ohio, Synthesis of Novel Anthracycline Glycosides, Department of Chemistry (D. Horton), 1 October 1981 through 30 September 1982. (Project 762866 - New)

\$25,662.00 - City of Columbus, Department of Community Services, Columbus, Ohio-Franklin County Consortium, Columbus, Ohio, Summer Youth Employment Program/Vocational Exploration Program, Office of Minority Affairs (R. T. McDonald), 25 June 1981 through 2 September 1981. (Project 762790 - New)

\$19,000.00 - City of Columbus, Department of Energy and Telecommunications, Columbus, Ohio, Assess District Heating/Cooling Systems Potential in Community Block Grant Eligible Institutions, School of Architecture - Administration and Department of City and Regional Planning (O. Fisch, S. I. Gordon, and K. T. Pearlman), 10 August 1981 through 9 August 1982. (Project 762850 - New)

\$16,500.00 - Florida International University, Miami, Florida, Consortium for the Development of Professional Materials for Vocational Education, The National Center for Research in Vocational Education (R. E. Taylor), 1 September 1981 through 31 August 1982. (Project 762856 - Continuation)

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

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

\$15,000.00 - American Heart Association, Central Ohio Heart Chapter, Columbus Ohio, The Potential Danger of *in Vivo* Acebutolol Decomposition, Department of Pharmacology (B. D. Andresen), 1 October 1981 through 30 September 1982. (Project 762843 - New)

\$15,000.00 - The George Gund Foundation, Cleveland, Ohio, Reflective Teaching Workshops, Academic Faculty of Educational Foundations and Research (D. R. Cruickshank), 1 July 1981 through 30 September 1982. (Project 762687 - New)

\$11,259.00 - Morris Animal Foundation, Englewood, Colorado, Cardiac Arrhythmias Associated with Gastric Dilatation-Volvulus in the Dogs: Etiology, Significance, and Therapy, Department of Veterinary Clinical Sciences (J. D. Bonagura), 1 August 1981 through 1 August 1982. (Project 762362 - Continuation)

\$11,000.00 - National Kidney Foundation of Central Ohio, Inc., Columbus, Ohio, The Primate Erythrocyte Immune Complex Clearance Mechanism, Department of Medicine (L. A. Hebert), 1 July 1981 through 30 June 1982. (Project 762857 - New)

\$10,000.00 - Morris Animal Foundation, Englewood, Colorado, The Epidemiology and Control of *Strongylus Vulgatis* - The Major Cause of Colic in Horses, Department of Veterinary Pathobiology (R. P. Herd) and Department of Veterinary Clinical Sciences (A. A. Gabel), 1 August 1981 through 31 July 1982. (Project 762323 - Continuation)

\$9,779.00 - Arizona State University, Tempe, Arizona, Review of Proposed Educational Program and Facility Specifications for Phoenix, Arizona, The National Center for Research in Vocational Education (R. E. Taylor), 1 September 1981 through 31 October 1981. (Project 762835 - New)

\$9,670.00 - Citizen's Council for Ohio Schools, Columbus, Ohio, School Finance Project, Academic Faculty of Educational Administration (L. H. Wagstaff), 1 October 1980 through 30 June 1981. (Project 762878 - Continuation)

\$9,618.00 - Ohio Wesleyan University, Delaware, Ohio, Student Personnel in Higher Education, Academic Faculty of Special Services (R. F. Rodgers), 10 August 1981 through 25 June 1982. (Project 762838 - Continuation)

\$9,078.00 - Capital University, Columbus, Ohio, Student Personnel in Higher Education, Academic Faculty of Special Services (R. F. Rodgers), 1 September 1981 through 30 June 1982. (Project 762836 - Continuation)

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

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

\$8,000.00 - TASC - The Analytic Sciences Corporation, Reading, Massachusetts, Navigation System Simulation, Department of Electrical Engineering, Electro-Science Laboratory (A. A. Ksienski), 1 September 1981 through 30 September 1981. (Project 762842 - New)

\$7,000.00 - Animatrix, Inc., Columbus, Ohio, Computer Generated Animation, Department of Art Education (C. A. Csuri), 1 September 1981 through 31 October 1981. (Project 762841 - New)

\$6,000.00 - American Cancer Society--Ohio Division, Cleveland, Ohio, *In Vitro* Differentiation of Hairy Cell Leukemia: A Model for Inductive Chemotherapy, Department of Pathology (R. F. Barth and W. C. Hooper), 1 October 1981 through 30 September 1982. (Project 762869 - New)

\$6,000.00 - American Cancer Society--Ohio Division, Cleveland, Ohio, Preneoplastic Mouse Mammary Lesion - A Tumor Precursor or Modulator, Department of Pathology (W. Z. Wei), 1 October 1981 through 30 September 1982. (Project 762888 - New)

\$5,001.00 - Ohio Dominican College, Columbus, Ohio, Student Personnel in Higher Education, Academic Faculty of Special Services (R. F. Rodgers), 24 August 1981 through 7 June 1982. (Project 762837 - Continuation)

\$2,000.00 - Battelle Memorial Institute, Columbus, Ohio, Alumina Tooth Implantation in Human Subjects, College of Dentistry - Crown and Bridge (R. H. Downes), 1 April 1980 through 15 October 1981. (Project 762315 - Continuation)

\$2,000.00 - Brevard Community College, Cocoa, Florida, National Alliance of Postsecondary Education Institutions/Districts, The National Center for Research in Vocational Education (R. E. Taylor), 1 July 1981 through 30 June 1982. (Project 761599 - Continuation)

TOTAL - INDUSTRIAL, PRIVATE, AND OTHER NON-FEDERAL RESEARCH CONTRACTS/GRANTS \$1,114,623.00

ENGINEERING EXPERIMENT STATION

State Sponsored Research and Development

\$50,938.00 - State of Ohio, Department of Transportation, Columbus, Ohio, for second year of Evaluation of Sulfur-Asphalt Paving Mixtures in Ohio: A Laboratory and Field Investigation, Department of Civil Engineering, Transplex, May 1, 1981 through April 30, 1982. (EES 529070)

November 6, 1981 meeting, Board of Trustees

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

ENGINEERING EXPERIMENT STATION (contd)

State Sponsored Research and Development (contd)

\$41,568.00 - State of Ohio, Department of Transportation, Columbus, Ohio, for second year of Evaluation of Asphalt Pavement Recycling in Ohio: A Laboratory and Field Investigation, Department of Civil Engineering, Transplex, September 4, 1981 through September 3, 1982. (EES 529079)

TOTAL - STATE SPONSORED RESEARCH AND DEVELOPMENT **\$92,506.00**

Industrial and Other Sponsored Research and Development

\$36,000.00 - The Ohio State University, Office of Physical Facilities, Columbus, Ohio, for eighth year continuation of Study of Energy Conservation for University Buildings--Program 4244, Department of Mechanical Engineering, December 1, 1981 through June 30, 1982. (EES 529008)

\$183,593.00 - various sponsors for 36 development projects in seven engineering departments and research areas.

TOTAL - INDUSTRIAL AND OTHER SPONSORED RESEARCH AND DEVELOPMENT **\$219,593.00**

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND

Gifts of \$5,000 or More

\$278,248.00 - James W. Overstreet Fund of The Columbus Foundation, Columbus, Ohio, for James W. Overstreet Cardiovascular Teaching Laboratory.

\$96,216.00 - Trust Under the Will of Glenna R. Joyce, Columbus, Ohio, for Glenna R. Joyce Scholarship Fund.

\$56,000.00 - Ohio Lions Eye Research Foundation, Jackson, Ohio--\$22,000.00 for Ohio Lions Blindness Research Fund; \$15,000.00 for Institute for Research in Vision; \$6,000.00 for Ohio Lions--King-Smith; \$5,000.00 for Ohio Lions--Hill; \$5,000.00 for Lions Research--Jones; and \$3,000.00 for Ohio Lions--Daum.

\$50,000.00 - Battelle Memorial Institute, Columbus, Ohio, for Battelle/Ohio State University Partnership in Engineering Education Fund.

\$42,983.00 - Eli Lilly and Company, Indianapolis, Indiana--\$18,983.00 for Clinical Pharmacology of Dobutamine-Eli Lilly and Company; \$18,000.00 for Infectious Disease Research Fund; and \$6,000.00 for Physiological Chemistry Research.

\$40,630.00 - Sterling-Winthrop Research Institute, Rensselaer, New York, for Cardiovascular Pharmacology Fund.

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

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

\$40,000.00 - Charles W. Carroll, Burton, Ohio, for Presidents Club Special Fund.

\$38,900.00 - Dorsey Laboratories, Lincoln, Nebraska, for Clinical Pharmacology Fund.

\$31,416.00 - The Charles F. High Foundation, Bucyrus, Ohio, for Charles F. High Foundation Scholarship Fund.

\$30,714.00 - Adria Laboratories, Columbus, Ohio, for Clinical Pharmacology Fund.

\$29,391.28 - Reproductive Research and Education Association, Columbus, Ohio, for EPR-OBS Fund.

\$25,254.00 - The Grace High Washburn Trust, Bucyrus, Ohio, for Grace High Washburn Trust Scholarship Fund.

\$25,000.00 - The Union Fork and Hoe Foundation, Columbus, Ohio, for George B. Durell Memorial Scholarship Fund.

\$17,318.75 - Hoffmann-LaRoche, Inc., Nutley, New Jersey, for Clinical Pharmacology Fund.

\$17,000.00 - The City Loan and Savings Company, Lima, Ohio, for WOSU Support Fund.

\$17,000.00 - The Standard Oil Company, Cleveland, Ohio--\$7,500.00 for College of Administrative Science Fund; \$7,000.00 for Sohio Chemical Engineering Fund; and \$2,500.00 for Affirmative Action Program in Engineering Fund.

\$15,090.00 - Laborers' District Council of Ohio, Columbus, Ohio, for Peter Fosco/Laborers' District Council of Ohio Scholarship Fund.

\$15,000.00 - Trust Under the Will of William A. Buente, Chicago, Illinois, for College of Medicine Progress Fund.

\$15,000.00 - Westinghouse Educational Foundation, Pittsburgh, Pennsylvania, for Lamme Power Systems Laboratory.

\$15,000.00 - Wyeth Labs, Philadelphia, Pennsylvania, for Anesthesia Research and Education Enhancement Fund.

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

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

\$14,188.82 - Systems Associates, Inc., Columbus, Ohio (given in the names of Phillip K. Fulkerson, M.D., Donald V. Unverferth, M.D., Thomas M. Bashore, M.D., Carl V. Leier, M.D., and David C. Bell, M.D.), for Cardiology Support Fund.

\$14,000.00 - Kellogg's, Battle Creek, Michigan, for Special NC-151 Fund.

\$13,970.00 - Eastman Kodak Company, Rochester, New York--\$8,030.00 for Kodak Fellows Program; \$4,140.00 for Kodak Scholars Program in Engineering Fund; \$750.00 for Electrical Engineering Chairman's Discretionary Fund; \$450.00 for Department of Chemical Engineering Support Fund; \$300.00 for The ISE Advancement Fund; \$150.00 for Department of Computer and Information Science Chairman's Discretionary Fund; \$150.00 for I. G. Brenner Fund for Engineering.

\$12,500.00 - Landmark, Inc., Columbus, Ohio, for Landmark-OARDC.

\$11,808.22 - University Eye Surgeons, Inc., Columbus, Ohio, for Eye Bank Fund.

\$10,378.00 - National Action Council for Minorities, New York, New York, for Affirmative Action Program in Engineering Fund.

\$10,225.00 - SISA, Incorporated, Cambridge, Massachusetts, for Clinical Pharmacology Fund.

\$10,104.86 - Department of Ohio Ladies' Auxiliary Veterans of Foreign Wars, Columbus, Ohio, for Cancer Research Center Fund.

\$10,000.00 - Abbott Laboratories, North Chicago, Illinois, for Antibiotic Research Rotary.

\$10,000.00 - Coopers & Lybrand Foundation, New York, New York, for Coopers & Lybrand Scholars Program.

\$10,000.00 - Janssen R & D, Inc., New Brunswick, New Jersey, for EPR-OBS Fund.

\$9,500.00 - Gertrude Kenney Fund of The Columbus Foundation, Columbus, Ohio, for Professional Training in the Visual Arts Scholarship Fund.

\$9,300.00 - American Foundation for Pharmaceutical Education, for American Foundation for Pharmaceutical Education Fellowship Fund.

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

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

\$9,193.83 - Retinal Consultants, Inc., Columbus, Ohio, for Retina Research Fund.

\$8,450.00 - Union Carbide, New York, New York, for Agronomy Weed Research Fund.

\$7,500.00 - Amoco Foundation, Chicago, Illinois--\$6,000.00 for Distinguished Teachers Awards Fund and \$1,500.00 for University Emergency Fund.

\$7,200.00 - American Cyanamid Company, Pearl River, New York, for Cancer Research Center Fund.

\$7,000.00 - Central Ohio Center for Economic Education, Columbus, Ohio, for Center for Economic Education.

\$7,000.00 - Rohm and Haas Company, Philadelphia, Pennsylvania, for Rohm and Haas Company Fund in Chemistry.

\$6,150.00 - Ohio Expositions Commission, Columbus, Ohio, for Ohio 4-H Foundation Support Fund.

\$6,000.00 - Kubota, Ltd., 2-22 Funadecho, Naniwaku, Osaka, Japan, for Kubota, Ltd. Research Fund.

\$5,500.00 - The General Foods Fund, Inc., White Plains, New York, for General Foods Fund Fellowship in Home Economics.

\$5,075.00 - Frederick P. Zuspan, M.D., Columbus, Ohio, for EPR-OBS Fund.

\$5,000.00 - Ciba-Geigy Corporation, Greensboro, North Carolina, for Agronomy Weed Research.

\$5,000.00 - Columbus and Southern Ohio Electric Company, Columbus, Ohio, for Ohio Electric Utility Institute Fellowship Fund.

\$5,000.00 - The Danis Foundation, Inc., Dayton, Ohio, for Civil Engineering Construction Operations Simulation Laboratory Fund.

\$5,000.00 - General Electric Foundation, Stamford, Connecticut, for Affirmative Action Program in Engineering Fund.

\$5,000.00 - George F. Lonz Foundation, Middle Bass, Ohio, for George F. Lonz Foundation for Enology and Viticulture.

November 6, 1981 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

Gifts-in-Kind

\$12,000.00 - Mrs. Maureen Sturtz, Columbus, Ohio, Quarter Horse Gelding, Bo Barr Cliff No. 744703.

\$5,666.67 - Julie Rubenbauer, Loveland, Ohio, Quarter Horse Gelding, Macho Malaci.

Establishment of Named Funds

The William M. Batten Distinguished Visitor Fund

The William M. Batten Distinguished Visitor Fund was established November 6, 1981, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from the Texas Instruments Foundation, Dallas, Texas, to honor the achievements of William M. Batten.

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

The annual income from the principal is to be used to improve mutual learning, understanding and respect between academic and management communities, by facilitating and supporting visits by distinguished executives to the College of Administrative Science and The Ohio State University.

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

The McGregor Fund Finance, Banking and Accounting Scholarship

The McGregor Fund Finance, Banking and Accounting Scholarship was established November 6, 1981, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from the McGregor Fund, Detroit, Michigan.

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

The annual income from the principal is to be used to provide scholarships for students in finance, banking, accounting and related fields. The selection of the recipients shall be made upon the recommendation of the Scholarship Committee of the College of Administrative Science.

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

Establishment of Named Funds (contd)

The McGregor Fund Finance, Banking and Accounting Scholarship (contd)

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

Helen Sells Clarkson Memorial Scholarship

The Helen Sells Clarkson Memorial Scholarship was established November 6, 1981, by the Board of Trustees of The Ohio State University with a gift from the estate of Helen Sells Clarkson, B.A. '14.

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

Income from the scholarship fund shall be used to benefit students who are pursuing majors in the natural sciences in the College of the Arts and Sciences or the College of Agriculture, Home Economics and Natural Resources. The selection of the recipient(s) is to be made upon the recommendation of the University Scholarship Committee.

Should the need for these funds cease to exist, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to the recommendations of the appropriate administrative official of the University who is then directly responsible for studies in the natural sciences.

The History Enrichment Fund

The History Enrichment Fund was established November 6, 1981, by the Board of Trustees of The Ohio State University with an anonymous gift to The Ohio State University Development Fund.

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

The annual income is to be used to support research activities in the Department of History; to support an annual graduate fellowship prize for the best history seminar paper; and to provide discretionary funds for the Department of History to support excellence in teaching, departmental social obligations, the search for additional enrichment funds, and as well to publicize the scholarly activities of the Department.

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

Establishment of Named Funds (contd)

The History Enrichment Fund (contd)

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

The C. B. "Bill" Smith Scholarship Fund in Civil Engineering

The C. B. "Bill" Smith Scholarship Fund in Civil Engineering was established November 6, 1981, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from friends of C. B. "Bill" Smith.

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

The annual income is to be awarded to an Ohio resident who is a graduate student in structural engineering. Recipients will be determined by the established procedures within the Department of Civil Engineering.

Should the need for this fund cease to exist or so diminish as to provide unused income, the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the College of Engineering.

The Hilandar Research Project Endowment Fund

The Hilandar Research Project Endowment Fund was established November 6, 1981, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from: (1) individuals and institutions concerned with the preservation and dissemination of Serbian and Slavic culture and the heritage of Orthodoxy which are embodied in the microfilm copies of manuscripts from Hilandar Monastery and other repositories of Slavic manuscripts currently housed in the Hilandar Room in the Main Library, and (2) other friends of the Hilandar Room.

It is understood that the name Hilandar will be used in perpetuity to designate the facility which houses the collection of manuscripts on microfilm from the Hilandar Monastery on Mount Athos, Greece. Donors to the endowment fund will be designated as "Friends of the Hilandar Room."

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

Establishment of Named Funds (contd)

The Hilandar Research Project Endowment Fund (contd)

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

The annual income will be used to facilitate scholarship and to disseminate the results of that scholarship throughout this hemisphere and on a worldwide basis. Specifically, the income will be used for library acquisitions, research, publications, and clerical and administrative support in keeping with an annual budget approved by a University Advisory Council for the Hilandar Research Project. Requisitions for the use of these funds will be initiated by the Director of the Hilandar Research Project and approved by the Dean of the College of Humanities.

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

The Philip P. Poirier Memorial Fund

The Philip P. Poirier Memorial Fund was established November 6, 1981, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from the friends and family of Professor Philip P. Poirier who served as Professor of British history from 1952 until his death in February 1979. Professor Poirier was best known for his prize-winning book on the British Labour Party and for his rigorous and stimulating classes on modern British history.

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

The income is to be awarded to one or more graduate students enrolled in the Department of History to support their travel abroad when working on a doctoral dissertation in some area of British history. Each year the Poirier Memorial Travel Fund award will be announced by the Department of History. Applications will be solicited from graduate students. Applications will be evaluated by an appointed committee and recipients will be informed by the Department Chairperson. Awards need not be made each year and are made at the discretion of the Committee and the Department Chairperson.

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

November 6, 1981 meeting, Board of Trustees

**REQUEST FOR ARCHITECTS/ENGINEERS AND
REQUEST FOR CONSTRUCTION BIDS**

ENERGY MODIFICATIONS - LINCOLN AND MORRILL TOWERS

Resolution No. 82-44

Synopsis: Employment of engineering firm and request for construction bids pending finalization of funding from the United States Department of Education's College Housing Energy Conservation Loans.

WHEREAS The Ohio State University has been selected by the U. S. Department of Education to receive funding under the College Housing Program for 1981; and

WHEREAS this funding will provide for energy conservation modifications through Energy Retrofit for Morrill Tower and Lincoln Tower; and

WHEREAS the total project costs for both towers are \$522,800 with \$497,800 to be a low interest (three percent) loan from the U. S. Department of Education and \$25,000 will be provided by The Ohio State University General Dormitory Fund and/or Housing Commission 3; and

WHEREAS several energy conservation measures will be accomplished, i.e., damper and return air modifications, time clocks installed for air systems and night shutdown of heating, ventilating and air conditioning systems, lighting modifications, heat recovery unit will be provided for preheating of water for the domestic hot water system and these modifications will provide excellent payback provisions which are estimated at one year four months:

NOW THEREFORE

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

BE IT FURTHER RESOLVED, That the Vice President for Business and Administration be authorized to proceed to request construction bids on this project in accordance with established University procedures, and if satisfactory bids are received, to recommend to the Department of Administrative Services, Division of Public Works, the award of contracts with all actions to be reported to this Board at the appropriate time; and

BE IT FURTHER RESOLVED, That all final actions related to the award of engineering contracts for each of these projects will be dependent upon final funding by the United States Department of Education.

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

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**REQUEST FOR ARCHITECTS/ENGINEERS AND
REQUEST FOR CONSTRUCTION BIDS**

**ENERGY MODIFICATIONS - PRINTING FACILITY
AND UNIVERSITY HOSPITAL (ECM 5 AND 6)**

Resolution No. 82-45

Synopsis: Employment of engineering firms and request for construction bids pending finalization of funding from Federal and local University sources.

WHEREAS The Ohio State University has been selected by the Department of Energy to receive funding under Cycle III of the Department of Energy's Federal Institutional Grants Program; and

WHEREAS this grant will provide fifty percent funding for energy modification projects for the University Hospital, known as ECM-6, and the Printing Facility, known as ECM-5; and

WHEREAS fifty percent for each project will be funded from the Federal Department of Energy and fifty percent from University Hospital funds and Printing Facility local funds with the total project costs being \$115,208 for the University Hospital and \$105,770 for the Printing Facility:

NOW THEREFORE

BE IT RESOLVED, That the Vice President for Business and Administration be authorized to proceed to select a qualified engineering firm for each project in conjunction with the Department of Administrative Services; and that the fees for these engineering services be negotiated between the firm selected and the Department of Administrative Services, Division of Public Works; and

BE IT FURTHER RESOLVED, That the Vice President for Business and Administration be authorized to proceed to request construction bids on these projects in accordance with established University procedures, and if satisfactory bids are received, to recommend to the Department of Administrative Services, Division of Public Works, the award of contracts with all actions to be reported to this Board at the appropriate time; and

BE IT FURTHER RESOLVED, That all final actions related to the award of engineering contracts for each of these projects will be dependent upon final funding by the Department of Energy and the Printing Facility and University Hospital.

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

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TREASURER'S BOND

Resolution No. 82-46

Synopsis: Treasurer's Bond is being proposed pursuant to Section 3335.05 of the Ohio Revised Code.

WHEREAS Section 3335.05 of the Ohio Revised Code requires that the Treasurer of The Ohio State University give bond to the State of Ohio in such sum as the Board of Trustees determines; and

WHEREAS the Board of Trustees has determined that a bond of \$3,000,000 per incident will be adequate protection for the probable amount that realistically will be under the Treasurer's control in any one year:

NOW THEREFORE

BE IT RESOLVED, That the bond of James Lee Nichols, Treasurer of The Ohio State University, as required by Section 3335.05 of the Ohio Revised Code, be set at \$3,000,000.

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

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President Jennings requested Mr. Redman to present the following resolution:

EXPRESSION OF GRATITUDE TO WILLIAM E. VANDAMENT

Resolution No. 82-47

WHEREAS, Dr. William E. Vandament served The Ohio State University with distinction from 1976 to 1981 as Executive Assistant to the President, Director of Budget and Resources Planning, and Vice President for Finance and Planning; and

WHEREAS, Dr. Vandament's service has been exemplary in helping Ohio State cope with difficult budgetary problems; and

WHEREAS, Dr. Vandament's expertise in grasping complex financial issues, and his skill in communicating these issues to this Board, to the University's administration, and to its faculty, staff, and students have been of the highest caliber; and

WHEREAS, Dr. Vandament is held in high personal regard throughout the University as a reflection of his open managerial style, his positive attitude, and his warm personality; and

WHEREAS, Dr. Vandament has left Ohio State after his years of distinguished service to accept the important professional advancement of becoming Senior Vice President for Administration at New York University:

EXPRESSION OF GRATITUDE TO WILLIAM E. VANDAMENT (contd)

NOW THEREFORE

BE IT RESOLVED, That it is the wish of this Board to recognize Dr. Vandament at the time of his departure from service at The Ohio State University;

BE IT FURTHER RESOLVED, That this Board wishes to make public and plain its deep and sincere appreciation for Dr. Vandament's contributions to the continued fiscal health of the University;

BE IT FURTHER RESOLVED, That this Board wishes to express how keenly Dr. Vandament's professional talents and personal presence on this campus will be missed;

BE IT FURTHER RESOLVED, That this Board wishes to thank Dr. Vandament for his years of devoted service, which have immeasurably benefited The Ohio State University, by directing that this expression of gratitude be inscribed upon the minutes of the Board of Trustees;

BE IT FURTHER RESOLVED, That a copy of this resolution shall be forwarded to Dr. Vandament with our best wishes for his every success as he continues his career at New York University.

Mr. Redman moved that the foregoing resolution be adopted which was seconded by Dr. Jacob.

Mr. Devenow:

I don't think this motion needs any discussion. We're all indebted to Dr. Vandament for a great job he did here at the University, and with that I will ask for those in favor.

The foregoing resolution was approved by unanimous voice vote.

--o--

Mr. Devenow: Mr. President, you have one more item?

COMMENTS BY PRESIDENT JENNINGS

President Jennings:

Yes, Mr. Chairman. At the September Board meeting, as you know we began a process of college preparatory requirements for conditional/unconditional admittance. And at that time, we wanted to do it pending a review by the Attorney General's office. That review has taken place. The Attorney General's office has responded to us in writing that the 1958 opinion issued by the Attorney General at that time is still applicable to the conditional/unconditional proposal that we made in September, and in that context, the legal issues there I would consider closed. Thank you.

--o--

November 6, 1981 meeting, Board of Trustees

REPORT - UNIVERSITY'S INVESTMENT PORTFOLIO

Resolution No. 82-48

RESOLVED, That the report on the University's Investment Portfolio, dated October 16, 1981, as submitted to the Fiscal Affairs Committee of the Board of Trustees, be received and filed with the official records of the Board.

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Thereupon the Board adjourned to meet Thursday, December 10, 1981, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, at 1:30 p.m.

Attest:

Madison H. Scott
Secretary

Chester Devenow
Chairman

APPENDIX II

Degrees Conferred at

THE OHIO STATE UNIVERSITY
COMMENCEMENT CONVOCATION

December 11, 1981

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Commencement Speaker

Simon Dinitz

A professor of sociology who is considered one of the foremost criminologists in the world today, Simon Dinitz has been honored repeatedly by his peers for his influential research in mental illness, crime, juvenile delinquency, and violent behavior. His book on schizophrenia, one of 14 he has written, is credited with the movement which brought schizophrenics out of mental hospitals and into functional lives in the community. It was for this work that he was awarded the 1967 Hofheimer Prize for Research from the American Psychiatric Association.

More recently Dr. Dinitz became the first Ohio State professor to have won both the University's Alumni Award for Distinguished Teaching (1970) and its

Distinguished Research Award (1979). Nominations for these awards are made by students and professional colleagues and reflect the high regard of the entire academic community.

Dr. Dinitz is a native of New York City and received the bachelor of arts degree, magna cum laude, from Vanderbilt University in 1947. He received the master of arts in 1949 and the Ph.D. in 1951, both from the University of Wisconsin. He has been a faculty member at Ohio State since 1951.

His accomplishments exemplify the scholarly excellence of the University's faculty and their dedication to the University's mission of teaching, research, and service. The Ohio State University is honored to have Simon Dinitz address the graduates of the 278th Commencement.



Recipients of Honors

Merritt Madison Chambers Doctor of Humane Letters

A longstanding and ardent supporter of public higher education, M. M. Chambers has been teaching and doing scholarly research for more than a half-century. He has been the mentor of thousands of students. In the course of his distinguished career, he has written 35 books and monographs and some 400 published articles. Known for his expertise in higher education finance and law, he has, for nearly 25 years, collected, analyzed, and circulated statistics on support by the fifty states for higher education. His staunch advocacy of public higher education is best expressed by one of his often-quoted statements: "The public value of universal access to higher education is incalculable. It is the most productive possible long-term investment for public funds, for dollar return, and for the intangible benefits to society." The Ohio State University is pleased to honor its alumnus, Merritt Madison Chambers, for his invaluable contributions to public higher education.

Jack O. Evans Distinguished Service Award

The hearts of Ohio State University's friends have thrilled as Jack O. Evans filled this campus with music. As director of the University's Activities Band, the Buckeye Scarlet Band, Military and Marching Band, he has kindled the friendship and spirit that are Ohio State. As professor of trombone, he is known throughout the country as a distinguished teacher. During his many years of service, his dedication to this institution has continued to grow. Even after retirement, he has sought out and counseled students who have become part of the Ohio State musical tradition.

As professor emeritus, he organized the Alumni Marching Band, a group unique to the annals of college marching bands. Alumni throughout this country and Europe are a tribute to the excellence of this widely respected scholar and teacher. For one who has given so much to the University, it is fitting that Ohio State now sings his praises.

John A. Prior Distinguished Service Award

The medical career of Dr. John A. Prior has brought honor and credit both to himself and to this University. An alumnus of this institution, he provided academic and administrative leadership to the College of Medicine for more than 40 years. Serving in the ranks from instructor to director of the Pulmonary Disease Division to dean of the College of Medicine, Dr. Prior through his expertise has given strength to the medical program here. Others as well have recognized his contributions to Ohio State. The recipient of a University Distinguished Teaching Award and an Alumni Achievement Award, he was also voted Man of the Year in the College of Medicine. Through his scientific publications and other writings, he has advanced the study of medicine far beyond this institution. Ohio State University has been well served by the contributions of this noted physician.

The Graduate School

Dean: Jules B. LaPidus

Doctor of Philosophy

Hossein Abolmoulouki, Tehran, Iran; B.S.
(Malone College); M.A.; *Education*;
Dr. Richard M. Campbell

Girmai Abraham, Asmara Eritrea, Eritrea;
B.S. (Haile Selassie University); M.S.;
*Agricultural Economics and Rural
Sociology*; *Dr. D. Lynn Forster*

Ben Sola Adeyemi, Ado-Ekiti, Ondo,
Nigeria; B.A. (University of Ife); M.A.;
Physical Education (Health Education);
Dr. Ralph C. Bates

Robert A. Akins, Savannah, Ga.; B.A.
(Wittenberg University); *Microbiology*;
Dr. Thomas J. Byers

Mustafa Mohamed Abdel Monem Gad Aly,
Cairo, Egypt; B.Sc. (Cairo University);
M.Sc. (University of Windsor); *Civil
Engineering*; *Dr. Kamran Majidzadeh*

Dana Dewitt Anderson, Huntsville, Ala.;
B.A. (Antioch College); M.A.;
Psychology; *Dr. Andrew J. Schwebel*

Catherine Ann Baird, Pittsburg, Kans.;
B.A. (Kansas State College); M.A.;
Economics; *Dr. Wilford L. L'Esperance III*

Frank Joseph Barone, Athens, B.Met.E.
(Rensselaer Polytechnical Institute);
M.B.A.; *Education*;
Dr. William W. Wayson

Michael Lynn Beitzel, New Philadelphia;
B.A. (College of Wooster); M.Ed.
(University of Cincinnati); *Physical
Education*; *Dr. Charles L. Mand*

Timothy Lee Best, Lima; B.S., M.A.;
Education; *Dr. Donald R. Bateman*

Joyce Haignere Brannan, Columbus; B.S.,
M.A.; *Health Education (Physical
Education)*; *Dr. Mary K. Beyrer*

Utsaba Chaudhuri, Gauhati Assam, India;
B.S. (Assam Agricultural University);
M.S. (Punjab Agricultural University);
Agronomy; *Dr. Paul R. Henderlong*

Chih-ming James Chen, Taipei, Taiwan,
R.O.C.; B.S., M.S. (National Taiwan
University); *Pharmacy*;
Dr. Sylvan G. Frank

Gerald Patrick Chubb, Xenia; B.S., M.A.;
Industrial and Systems Engineering;
Dr. Richard A. Miller

Kuei-Nan Douglas Chung, Yun-Lin,
Taiwan; B.A. (Soochow University);
M.S.W. (West Virginia University); M.A.;
Social Work; *Dr. Joseph J. Parnitzky*

Robert John Contolini, Columbus; B.S.
(Case Western Reserve University);
Chemistry; *Dr. C. Weldon Mathews*

John Dudley Corrigan, Columbus; B.A.
(New College); M.A.; *Psychology*;
Dr. Lyle D. Schmidt

James Herman Cox, Logan, W. Va.; B.S.
(Malone College); M.A.; *Education*;
Dr. George P. Ecker

Melba McCallister Crawford, Austin, Tex.;
B.S., M.S. (University of Illinois);
Industrial and Systems Engineering;
Dr. Ralph W. Swain

Jerome Joseph Cronin, Jr., Urbana; B.S.B.
(Wright State University); M.B.A.
(University of Dayton); *Business
Administration*; *Dr. Bernard J. LaLonde*

Gary Dean Crouse, Cincinnati; B.S.
(Bowling Green State University);
Chemistry; *Dr. Leo A. Paquette*

James Patrick Crowley, Westerville; B.S.,
M.S.; *Anatomy*; *Dr. G. Adolph Ackerman*

Sohrab Dadfar, Mashhad, Iran; B.A.
(National University of Iran); M.A.
(George Washington University);
Education; *Dr. Anthony C. Riccio*

R. Louis Daugherty; B.S., M.Ed. (Kent
State University); *Education*;
Dr. Roy A. Larmec

Mary Francis DeMellier, Bel Air, Md.;
B.S., M.S. (University of Maryland at
Baltimore); *Psychology*;
Dr. Henry R. Angelino

Christopher Philip Doane, Munroe Falls;
B.Mus.Ed.; M.M. (The University of
Akron); *Music*; *Dr. A. Peter Costanza*

Jerry Edward Drummond, Tallmadge;
B.M.E. (General Motors Institute);
M.S.M.E. (The University of Akron);
Mechanical Engineering;
Dr. Seppo A. Korpela

Joseph Baptist D'Silva, Bombay, India;
B.Pharm. (University of Bombay);
Pharmacy; *Dr. Robert E. Notari*

Eltayeb Ali Elhag, Wad Medani Gezira,
Sudan; B.S. (University of Khartoum);
M.S.; *Entomology*; *Dr. David J. Horn*

Thomas Albert Engler, Ipswich, S. D.;
B.S. (South Dakota State University);
Chemistry; *Dr. Harold Shechter*

Sandra Sue Evans, Columbus; B.A., M.A.;
Sociology; *Dr. Joseph E. Scott*

Christopher Douglas Farrar, Los Angeles,
Calif.; B.A. (University of California at
Los Angeles); M.A.; *Linguistics*;
Dr. Ilse Lehiste

Jeffrey Blair Fine, Columbus; B.S.; M.A.
(State University of New York);
Physiological Chemistry;
Dr. Howard W. Sprecher

Patrick Hudson Flinn, Sidney, B.S.
(University of Dayton); *Mathematics*;
Dr. William J. Davis

Donald Lettell Fry, Columbus; B.A., M.A.
(Bowling Green University);
Communication; *Dr. Thomas A. McCain*

Christopher Richard Gabel, Parkersburg,
Pa.; B.A. (Pennsylvania State University);
M.A.; *History*; *Dr. Harry L. Coles, Jr.*

Maria Dolores Gandell, Villa Espana,
Bayamon, Puerto Rico; B.A. (Inter-
American University); M.S.W. (University
of Puerto Rico); *Social Work*;
Dr. Joseph J. Parnitzky

David John Garling, Ashland; A.B.
(Indiana University); *Developmental
Biology*; *Dr. Roy A. Tassava*

Julia Bever George, New Carlisle; B.S.
(University of Cincinnati); M.S.;
Education; *Dr. Virgil E. Blanke*

Robert George Gillingham, Uniontown, Pa.;
B.S.Ed. (Clarion State College); M.A.
(University of Alabama); *English*;
Dr. Alan K. Brown

Philip B. Gordon, Indiana, Pa.; B.A.
(University of Connecticut); M.S. (Florida
State University); *Home Economics*;
Dr. Patrick C. McKenry

Ralph Howard Greenberg, Yonkers, N. Y.;
B.S., M.S. (State University of New York
at Albany); *Accounting*;
Dr. John K. Shank

Kathy Lynn Greenwood, Calsbad, N. Mex.;
B.S. (University of Tokyo); M.S. (M.S. (M.S.
University of Tokyo); M.A.; *Computer
and Information Science*;
Dr. H. William Buttelman

Anthony Philip Haag, Tyrone, Pa.;
B.S. (Pennsylvania State University);
Chemistry; *Dr. John S. Swenton*

Gloria Jean Harris, Homer, La.; B.S.
(Southern University); M.S. (Michigan
State University); *Food Science and
Nutrition*; *Dr. John B. Allred*

Leon Calvin Hays, Little Rock, Ark.; B.S.
(University of Arkansas); M.S. (State
College of Arkansas); *Health Education
(Physical Education)*; *Dr. Robert Kaplan*

Francis Sizemore Hensley, Huntington,
W. Va.; A.B., M.A. (Marshall University);
History; *Dr. Leila J. Rupp*

Jeanne Martha Hogarth; B.S. (Bowling
Green State University); M.S.; *Home
Economics*; *Dr. Nancy M. Rudd*

- Kenneth Alan Holstein, Olathe, Kans.; B.A. (Olivet Nazarene College); M.A.; *Psychology*; Dr. Gerald A. Winer
- Harold John Hoops, Green Bay, Wis.; B.A. (Carroll College); M.S.; *Botany*; Dr. Gary L. Floyd
- Christopher Jakeli, Potsdam, N. Y.; B.A. (McGill University); M.S.; *Geodetic Science*; Dr. Richard H. Rapp
- Ints Kaleps, Huber Heights; B.S. (Brown University); M.S.; *Physics*; Dr. Ali E. Engin
- Thomas Anthony Kane, Washington, D. C.; S.T.L. (Catholic University); M.A. (University of Notre Dame); B.S. (St. Charles Seminary); *Interdisciplinary: Communication, Education and Photography*; Dr. Robert W. Wagner and Dr. Joseph M. Pilotta
- Farrokh Kaveh, Columbus; B.S.M.E. (Arya-Mohr University of Technology); *Mechanical Engineering*; Dr. Henry R. Velkoff
- Daniel Elden Keathley, Worthington; B.S., M.S.; *Genetics*; Dr. Randall L. Scholl
- Seung Jin Kim, Taegu Kyungbook, Korea; B.Econ., M.Econ. (Seoul National University); *Economics*; Dr. Edward John Ray
- Bruce Orville Knight, Midland, Mich.; B.S., M.A. (Central Michigan University); *Education*; Dr. Lonnie H. Wagstaff
- Deborah Ann Konitsney, Pittsburgh, Pa.; B.A. (Pennsylvania State University); M.A.; *Psychology*; Dr. Nancy E. Betz
- Nancy Jill Krieger, Newark; B.A. (Miami University); *Medical Microbiology and Immunology*; Dr. Raymond W. Lang
- Mary Whitman Kuhner, Columbus; A.B., M.A. (University of Michigan); *Education*; Dr. Victor M. Rentel
- David Norval Lamphere, Arkansasaw, Wis.; D.V.M. (University of Minnesota); M.S.; *Veterinary Preventive Medicine*; Dr. C. Richard Dorn
- Gary Robert Larson, Chelsea, Mich.; B.S., M.A. (Western Michigan University); *Chemistry*; Dr. Derek Horton
- Frank Daniel LaVecchia, South Plainfield, N. J.; B.Ed. (University of Miami); M.Ed. (University of Georgia); *Education*; Dr. Joseph J. Quaranta, Jr.
- Clark Baker Lawrence, Columbus; B.S., M.B.A.; *Business Administration*; Dr. Orlando Behling
- Florence Compton Lehman, Bowling Green; B.S., M.A.; *Education*; Dr. Roy A. Larmee
- David Harvey Levine, Brooklyn, N. Y.; B.A. (Florida Atlantic University); M.A.; *Home Economics*; Dr. Patrick C. McKenry
- Andrew Hanniabe Lewis, Winter Haven, Fla.; B.S. (Albany State College); M.S. (University of Tennessee); *Physical Education*; Dr. Walter F. Ersing
- Roberto Leyva Ramos, San Luis Potosi S.L.P., Mexico; B.S. (Escuela de Ciencias Químicas de la Universidad Autonoma de San Luis Potosi); M.S. (Louisiana Technical University); *Chemical Engineering*; Dr. Christie J. Geankoplis
- Judy Ann Loper, Pickerington; B.S. (Miami University); M.S. (Case Western Reserve University); *Home Economics*; Dr. Virginia M. Vivian
- John William Lyga, Terryville, Conn.; B.S. (Central Connecticut State College); *Chemistry*; Dr. John A. Seerist, III
- Muhsen Abdallah Makhameh, Fuhaish, Jordan; B.Sc. (University of Jordan); M.B.A. (American University of Beirut); *Business Administration*; Dr. Robert C. Miljus
- Leslie Noyes Mass, Powell; A.B. (Gettysburg College); M.A.; *Education*; Dr. Charlotte S. Huck
- Laurence Paul Mayer; B.S., M.S.; *Zoology*; Dr. Sheldon I. Lustick
- Priscilla Colleen McCarty; B.S., M.S.; *Home Economics*; Dr. Jean D. Dickerscheid
- Georgetta R. McClure, Columbus; B.S. (Clarion State College); M.A. (California State University); *Education*; Dr. Robert R. Bargar
- Jaishankar M. Menon, Palghat, Kerala, India; B.Tech. (Indian Institute of Technology); M.S.; *Computer and Information Science*; Dr. David K. Hsiao
- Donald John Meuten, Sharon, Conn.; B.S. (University of Connecticut); D.V.M. (Cornell University); *Veterinary Pathobiology*; Dr. Charles C. Capen and Dr. Gary J. Kociba
- Lawrence Bruce Mixon, Columbus; B.S. (Central State University); M.A.; *Physical Education*; Dr. Daryl Siedentop
- Manssour Moeinzadeh Hosseini, Isfahan, Iran; B.E., M.S. (Youngstown State University); *Engineering Mechanics*; Dr. Ali E. Engin
- Daniel Edward Molnar, Indianapolis, Ind.; B.I.E., M.S.; *Education*; Dr. Donald P. Sanders
- Mostafa El Sayed Mossaad, Cairo, Egypt; B.Civ.Engr. (Cairo University); M.S. (University of Windsor); *Civil Engineering*; Dr. Tien H. Wu
- Stephen Samuel Navran, Jr., Baltimore, Md.; B.S. (Carnegie-Mellon University); B.S. (University of Maryland); *Pharmacy*; Dr. Dennis R. Feller
- Robert George Nickol, Cincinnati; B.S.; *Chemistry*; Dr. Derek Horton
- Karen Lako Nirschl, Rocky River; B.A. (Michigan State University); M.A.; *Education*; Dr. Donald J. Tosi
- James Carl Noel, Pittsburgh, Pa.; B.S. (University of Minnesota); *Accounting*; Dr. Thomas J. Burns
- Gean Alice Gilmore Norman; B.S. (West Virginia State College); M.A.; *Education*; Dr. Joseph J. Quaranta, Jr.
- Lloyd Darrell Norton, Holton, Ind.; B.S., M.S. (Purdue University); *Agronomy*; Dr. George F. Hall
- Carl Richard Odgers, Westerville; B.Mus.Ed. (Capital University); M.A.; *Education*; Dr. Anthony A. Olizock and Dr. Aaron J. Miller
- Linda Glassman Oslav, Cincinnati; B.A., M.A. (University of Cincinnati); *Health Education (Physical Education)*; Dr. Robert Kaplan
- Sheila Archilla Ortiz, Bayamon, P. R.; B.A., M.S.W. (University of Puerto Rico); *Social Work*; Dr. Robert O. Washington
- Stephen Lloyd Ott, Fowlerville, Mich.; B.S. (Michigan State University); M.S.; *Agricultural Economics and Rural Sociology*; Dr. Norman Rask
- Martin Byard Parks, Columbus; B.A., B.A.Ed. (Eastern Washington University); *Comprehensive Vocational Education*; Dr. Dewey A. Adams
- Michele Helane Pavin, Los Angeles, Calif.; B.A., M.A. (University of the Pacific); *Physical Education*; Dr. Bruce L. Bennett
- Charles Edward Peters, Columbus; M.A. (Urbana College); B.A.; M.S. (Wright State University); *Education*; Dr. Robert J. Silverman
- Cheryl Ann Peters, Tallmadge; B.S. (Kent State University); M.S.; *Home Economics*; Dr. Jean S. Bowers
- Joseph Paul Pillion, West Newton, Mass.; B.A. (Western Michigan University); M.A.; *Communication*; Dr. Edward J. Hardick
- Stephen Mark Pusey, Bourbonnais, Ill.; B.A. (Olivet Nazarene College); M.A. (Northern Arizona University); *Education*; Dr. Raymond Muessig
- Douglas Jeffrey Resnick, Plainville, N. Y.; B.A. (State University of New York at Binghamton); M.S.; *Physics*; Dr. James C. Garland
- Donald Earl Richards, Columbus; B.S. (Kansas State University); M.S. (Iowa State University of Science and Technology); *Mechanical Engineering*; Dr. Francis A. Kulacki

David Bruce Robinson, Mansfield; B.A. (Kenyon College); M.A. (University of Chicago); *English*; Dr. Daniel R. Barnes

Arambawattage Dayasena Rodrigo, Ingriya, Sri-Lanka; B.A. (University of Sri Lanka); M.S.Ed., M.S. (Southern Illinois University); *Physical Education (Health Education)*; Dr. Donald D. Harper

Deborah Ward Roney, Haddonfield, N. J.; B.A. (Dartmouth College); M.A.; *Slavic and East European Languages and Literatures*; Dr. David F. Robinson

James Norman Roney, Cherry Hill, N. J.; B.A. (Dartmouth College); M.A.; *Slavic and East European Languages and Literatures*; Dr. Jerzy Krzyzanowski

Waseem Ahmed Roshen, Islamabad, Pakistan; B.S. (University of the Punjab); M.S. (University of Islamabad); *Physics*; Dr. W. F. Saam

Anita Teresa Salazar, La Salle, Colo.; B.A., M.A. (University of Northern Colorado); *Education*; Dr. Robert E. Taylor and J. Robert Warmbrod

Judith Delane Salley, Orangeburg, S. C.; B.S. (South Carolina State College); M.S.; *Zoology*; Dr. Roy A. Tassava

Tep Sastri, Bangkok, Thailand; B.Eng. (Chulalongkorn University); M.S.E. (University of Michigan); M.S.; *Industrial and Systems Engineering*; Dr. Richard A. Miller

Ronald Gilmore Schilling, Glengowrie, SA Australia; B.A. (The Flyers University of South Australia); Diploma of Teaching (Adelrick College of Arts and Education); *Education*; Dr. Aaron J. Miller and Dr. Luvern Cunningham

Paul Charles Schmidtke, Tucson, Ariz.; B.S. (Rose-Hulman Institute); *Astronomy*; Dr. Robert F. Wing

Harold Norman Scholz, Lodi; B.S., M.S. (University of Akron); *Physics*; Dr. David O. Edwards

Philip McEarl Scriven, Sumter, S. C.; B.A. (Virginia Union University); M.A.; *Education*; Dr. Joseph J. Quaranta, Jr.

Michael Stephen Sealton, Hillsdale, N. J.; B.S. (Pennsylvania State University); M.S. (University of Tennessee Medical Unites); *Pathology*; Dr. John A. Lott

Ronald Gary Shapiro, Providence, R. I.; B.A. (University of Rochester); M.A.; *Psychology*; Dr. Lester E. Krueger

Fathi Abdalla Sikta, Tripoli, Libya; B.S. University of Libya); *Electrical Engineering*; Dr. Leon Peters, Jr.

Thomas E. Simpson, Gahanna; B.S. (Central State University); *Physical Education*; Dr. Charles L. Mand

Michael Jeffrey Skoglund, Columbus; B.S.; *Chemistry*; Dr. Jack Hine

Mary Joan Steiner, Pandora; B.S.; M.P.H. (University of Michigan); *Agricultural Economics and Rural Sociology*; Dr. G. Howard Phillips

William Ross Stockwell, North Baltimore; B.S. (Bowling Green State University); M.S.; *Chemistry*; Dr. Jack G. Calvert

G. Sundararajan, Madras, Tamilnadu, India; B.Tech. (Indian Institute of Technology); M.S.; *Metallurgical Engineering*; Dr. Paul G. Shewmon

H. Dean Sutphin, Laurel Fork, Va.; B.S., M.S. (Virginia Polytechnic Institute); *Agricultural Education*; Dr. Lawrence H. Newcomb

Joyce Evelyn Swayne, Springfield; B.S., M.A. (Miami University); *Communication*; Dr. John J. Makay

Linda Bercau Sweazy, Stoutsville; B.A., M.A.; *Education*; Dr. Judy Genshaft

Howard Yukio Tamashiro, Kailua, Hawaii; B.A. (University of Hawaii); *Political Science*; Dr. Charles F. Hermann

Prabhat Kumar Tandon, Budaun U.P., India; B.S. (Kapur University); M.S. (N.D.R.I.); *Dairy Science*; Dr. Walter R. Harvey

Deborah Ann Thomas, Trumbull, Conn.; B.S. (University of Connecticut); M.A.; *Psychology*; Dr. Henry R. Angelino

Alton Thompson, Blounts Creek, N. C.; B.A. (North Carolina Central University); M.A.; *Sociology*; Dr. Kent P. Schuivrian

Jeffrey Alan Titus, New Knoxville; B.A., M.S.; *Microbiology*; Dr. Robert M. Pfister

Pamela Jean Transue, Caldwell, Idaho; B.A. (University of Washington); M.A.; *English*; Dr. John M. Muste

Patsy Marlene Vogt Treblas, Omaha, Nebr.; A.B. (Doane College); A.M. (University of Northern Colorado); *Education*; Dr. John O. Cooper

John James Venit, Glen Lyon, Pa.; B.S. (The University of Scranton); *Chemistry*; Dr. Philip Magnus

Weerakiat Wahawisan, Bangkok, Thailand; B.E. (Chulalongkorn University); M.E. (Illinois Institute of Technology); *Electrical Engineering*; Dr. Charles A. Klein

William Waite, Oswego, N. Y.; B.S. (State University College at Buffalo); M.S. (State University College at Oswego); *Education*; Dr. Donald G. Lux

Stephen Cooley Warner, Drayton Plains, Mich.; B.S. (Queen's University); *Chemistry*; Dr. Derek Horton

Keith Brian Wheeler, Lyndhurst; B.A. (Otterbein College); M.S.; *Poultry Science*; Dr. J. David Latshaw

Jack B. Yeager, Arkadelphia, Ark.; B.A. (Henderson State University); M.A. (University of Northern Colorado); *Communication*; Dr. Victor D. Wall

Master of Accounting

Kai-Ming Chow, Taipei, Taiwan, R.O.C.; B.A. (Fu-Jen Catholic University); M.A. (Sangamon State University); *Accounting*

James Jenq-Yee Lin, Hsinchu, Taiwan, R.O.C.; B.S.B.A. (National Cheng Kung University); *Accounting*

Patricia Jean Parker, Louisville, Ky.; B.S. (University of Louisville); *Accounting*

Shuh-Hwa Pyi, Taipei, Taiwan, R.O.C.; B.B.A. (National Taiwan University); *Accounting*

Mary Nash Van Meter, Granville; B.A.; *Accounting*

Richard Spellman Wagner, II, Orrville; B.S. (Miami University); *Accounting*

Master of Applied Statistics

Alyce Ann Marcotuli, Columbus; B.S. (Westminster College); *Statistics*

Master of Architecture

Saleh Mohammed A. El-sinbagi, Benghazi, Libya; B.Sc. (El-fateh University); *Architecture*

Sarita Beth Levine, Springfield, Va.; B.S.Arch.; *Architecture*

Terry Paul Rookard, Mahwah, N. J.; B.S.Arch.; *Architecture*

Master of Arts

Deborah Jean Abbitt, Columbus; B.S. (Bowling Green State University); *Physical Education*

Crystal E. Hardy Adams, Hyattsville, Md.; B.S. (Oakwood College); *Education*

Arumugam Agathiappan, Kuala, Lumpur, Malaysia; B.S.Ed.; *Education*

Susan Lynn Aiello, Alliance; B.S.; *Physical Education*

Michael Charles Arends, Columbus; B.A. (Ohio Dominican College); *Education*

Charles H. Arndt, Marysville; B.A. (Toledo University); M.Ed. (Bowling Green State University); *Public Administration*

Judy A. Balogh, Pembroke, Ky.; A.B.Ed. (Western Kentucky University); *Education*

Pamela McGill Beck, Rocky River; B.S.Ed.; *Education*

- Marilyn Hill Berry, Columbus; B.S. (Fayetteville State University); *Education*
- Bradley Samuel Berson, Beachwood; B.S.; *Psychology*
- Zenoby Ann Betties, Birmingham, Ala.; B.S. (Miles College); *History*
- Martin Edmund Block, Silver Spring, Md. A.B. (Guilford College); *Physical Education*
- Paula Jean Booker, Minden, La.; B.A. (Southern University); *Journalism*
- Virginia H. Bosse, Worthington; B.F.A. (Ohio University); *Communication*
- Doreen Bowen, Riegelwood, N. C.; B.A. (Johnson C. Smith University); *Psychology*
- Thomas Boyd, St. Louis, Mo.; B.A. (University of Missouri—St. Louis); *Political Science*
- Steven James Breckler, Los Angeles, Calif.; B.A. (University of California, San Diego); *Psychology*
- Sharon Mildred Brooks, Columbus; B.A. (Ohio Dominican College); *Education*
- Borden Anthonia Brown, Ashtabula; B.Mus. (Ohio University); *Music*
- Deborah Baaske Brushaber, Sandusky; B.S. (Bowling Green State University); *Journalism*
- Deborah Sue Bruton, Fayetteville, N. C.; B.S. (East Carolina University); *Communication*
- Elaine Bunton, Hamersville; A.B. (Asbury College); *Music*
- Glenna Lawrence Cameron, Westerville; B.S.Ed.; *Education*
- Joseph A. Cantrell, Lexington; B.Mus.Ed. (Otterbein College); *Music*
- Donna Jean Card, Galloway; B.S.Ed.; *Education*
- Dana Click Charlton, Worthington; A.B. (Eastern Kentucky State College); *Education*
- Shi-Zhen Chou, Hong Kong; Diploma (Hong Kong Baptist College); *East Asian Languages and Literatures*
- Flora J. Church, Berlin Heights; B.A. *Anthropology*
- Janet Turuda Clevenstine, Columbus; A.B. (University of Illinois); *Journalism*
- Harvey Joseph Click, Columbus; B.A.; *English*
- Mark David Cloud, Columbus; B.S.; *Psychology*
- James Vincent Coffey, Jr., Columbus; B.S.Soc.Wel.; *Education*
- Reagan E. Cox, Birmingham, Ala.; B.A. (Stillman College); *Education*
- Maria Elena Cruz, Columbus; B.A.; *Public Administration*
- Denise Patricia Devine, Columbus; B.A. (Wittenberg University); *Education*
- Eileen Theresa Dugan, Houston, Tex.; B.A. (Texas Tech University); *History*
- Nancy Jo Dziak, Lakeside; B.S.; *Psychology*
- Doris Friece Eichensehr, Johnstown; B.S.; *Education*
- Cyprian Onyegadirimma Ejiasa, Obohia-Ndoki, Imo, Nigeria; B.S., M.B.A. (Miami University); *Economics*
- Elena Maddalena Ellinwood, Verona-Bussolengo, Italy; B.A. (Bowling Green State University); *Romance Languages and Literatures*
- Marianne Ellwood, Warren; B.S.; *Education*
- Jan Paquette Eriksen, Columbus; B.A.; *Journalism*
- Gerri G. Evans, Gahanna; B.A.; *Communication*
- Julia Anne Evans, Columbus; B.S. (Miami University); *Communication*
- Alice Romayne Feister, Akron; B.A. (Kent State University); *Education*
- Diane René Fisher, Columbus; B.A.; *Romance Languages and Literatures*
- Teresa Lynn Frazier, Columbus; B.S.Ed. (Ohio Dominican College); *Education*
- Erma Mae Freeman, Lithopolis; B.S.Ed. (Ohio University); *Education*
- William Wells Friday, Columbus; B.A.; *Education*
- Samuel M. C. Fung, Hong Kong; B.F.A. (The Columbus College of Art and Design); *Industrial Design*
- Patsy Kerns Gartner, Newark; B.S.Ed.; *Education*
- Cheryl Dernise Gaskins, Jersey City, N. J.; B.A. (Florida Agricultural and Mechanical University); *Black Studies*
- Jennifer Lynn Aocella Gaylord, Columbus; B.S. (Ohio Dominican College); *Education*
- David Brian George, Columbus; B.A. (University of Missouri, Columbia); *Classics*
- Nelly Rimini Goren, Ramat-Hasharon, Israel; B.A.; *Psychology*
- Patricia Ann Greene, Columbus; B.A.; *English*
- Fügen Hatice Gülerterkin, Giresun, Turkey; B.S. (Bogazici University); *Education*
- Matthew David Habash, Steubenville; B.A. (Xavier University); *Public Administration*
- Suzanne Kay Harper, Dayton; B.S.Nurs.; *Physical Education (Health Education)*
- Lawrence Jamse Hettinger, Lee, N. H.; B.A. (University of New Hampshire); *Psychology*
- Gloria Jean Highburger, Newark; B.S.Ed. (California State College); *Education*
- Joan Otto Hildebrand, Upper Arlington; B.S.; *Psychology*
- Willadean Harrison Huston, Portsmouth; B.S.Ed.; *Education*
- Lee Roland Jenkins, Youngstown; B.A.Jour.; *Journalism*
- Christine Lou Kesler, Columbus; B.S.Ed. (Ohio University); *Education*
- Myong Ok Kim, Incheon-City, Korea; B.A. (Ewha Woman's University); *Education*
- Catherine Susan Kittrell, Okemos, Mich.; B.A.; *Communication*
- Lorna Marie Knoll, Marshalltown, Iowa; B.A. (College of St. Teresa); *Communication*
- David Lee Kraft, Columbus; B.A. (Juniata College); *Journalism*
- Joanne Maria Krzak, Hastings, Sussex, England; B.A. (University of Hull); *Dance*
- Pamela Lehning, Hopwood, Pa.; B.S. (The Pennsylvania State University); *Physical Education*
- Michelle Borrer LeVeque, Columbus; B.A. (Wheaton College); *English*
- Hun-Gi Li, TaoYuan, Taiwan, R.O.C.; B.A. (Soochow University); *Economics*
- Stephen Kyle Long, Wilmington, Del.; B.A. (DePauw University); B.Mus.; *Music*
- Linda Elaine Lusch, Kenton; B.F.A. (Ohio University); *Music*
- Gilbert Anthony Macali, Jr., Niles; A.B. (John Carroll University); *Romance Languages and Literatures*
- Daniel Thomas Maloney, Milwaukee, Wis.; B.A. (Marquette University); *Communication*
- Mohtar Mas'ood, Yogya, Indonesia; Doctoralonus Degree (Gadja Mada University); *Political Science*
- Sugako Y. Matsui, Tokorozawa, Japan; Bachelor of Commerce (Yokohama City University); *Economics*
- John Lower Maxwell, Benton; B.A. (Goshen College); *Education*
- James W. McPherson, III, Hartville; B.A. (Miami University); *Public Administration*
- Faye W. Mellema, Columbus; B.A.; *Education*

- Bradley John Meyer, Atlanta, Ga.; B.A. (Cornell University); *History*
- Mary Dixon Sayre Miller, Columbus; A.B. (Vassar College); *Interdisciplinary: Architecture, Business Administration, City and Regional Planning, and History*
- Gloria J. Mortinger, Marysville; B.S.Ed. (Capital University); *Education*
- Roberta Found Mosier, Elyria; B.A. (Oberlin College); *Music*
- Marilyn DeBellis Mrozek, Columbus; B.S.H.E.; *Education*
- James David Mueller, Columbus; A.B. (Oberlin College); *East Asian Languages and Literatures*
- Deborah Mulholand Murphy, Columbus; B.S.Ed.; *Education*
- Priscilla S. Murray, Indianapolis, Ind.; A.B. (Indiana University); *Anthropology*
- Marlene Jeanette Mustric, Worthington; B.S.Nurs.; *Physical Education (Health Education)*
- Geoffrey Cobb Nelson, Lincoln, Maine; A.B. (Bowdoin College); *Theatre*
- Eileen Andrea Nemzer, Worthington; B.A.; *Education*
- Barbara Basnett Nichols, Columbus; B.S.; *Communication*
- Ardith Nolte, Columbus; B.S.Nurs.; *Physical Education (Health Education)*
- Steven Alan Nye, Columbus; B.A. (Denison University); *Physical Education*
- Charles Stephen Oborn, Marion; B.A. (Capital University); *Education*
- John Harold O'Neil, Columbus; B.A.; *Classics*
- Sumiko Onishi, Tokyo, Japan; B.A. (Ferris Women's College); *Education*
- David Jonathan Patton, Mansfield; B.A.Jour.; *Journalism*
- Brenda Marie Perich, Perth, Australia; B.Ed. (Nedlands College of Advanced Education); *Education*
- Deborah Judith Perlmutter, Dayton; B.A. (University of Wisconsin); *Communication*
- Anthony Richard Pratkanis, Portsmouth, Va.; B.S. (Eastern Mennonite College); *Psychology*
- Daniel Jensen Prosser, Whittier, Calif.; B.A. (University of Redlands); Ph.D. (Northwestern University); *Architecture*
- Christine Elizabeth Pustay, Wadsworth; B.A.; *Communication*
- John Matthew Quinn, Columbus; B.A.Jour.; *Education*
- Kristin Bjarnadottir Rafnar, Akureyri, Iceland; B.S.Econ. (The University of Iceland); *Economics*
- Mary Elizabeth Raudabaugh, Chesapeake Beach, Md.; B.A. (University of Maryland); *Slavic and East European Languages and Literatures*
- Barbara Buker Reed, Bexley; B.S.S.W.; *Education*
- William James Richards, Columbus; B.A. (University of Kentucky); *Physical Education*
- Deborah Rickwald, Louisville, Ky.; B.A., M.A. (University of Louisville); *Theatre*
- Reginald Brittain Rockwell, Columbus; B.A. (Washington College); *Journalism*
- Stephen Edward Rodecker, Zanesville; B.A. (Ohio University); *Public Administration*
- Robert Dolan Roth, Erlanger, Ky.; B.A. (Wittenberg University); *Education*
- Glenn Phillip Roulette, Los Angeles, Calif.; B.A. (Southwest Texas State University); *History of Art*
- Mark Andrew Runkle, Powell; B.S.E.P.; *Business Administration*
- Demetra M. Sarri, Thessaloniki, Greece; B.A. (Aristotelian University); *Classics*
- Stephen Randolph Saunders, Galena; *Political Science*
- Jayne Ellen Schachter, Plainview, N. Y.; B.S. (Cornell University); *Psychology*
- Zuliha Schirg, Westerville; B.A. (Otterbein College); B.S.Ed.; *Education*
- Karen Benson Schwanekamp, Westerville; B.S.; *Education*
- Susan Elizabeth Scott, Willoughby Hills; B.S. (Miami University); *Communication*
- Cheryl Glenn Seitz, Marion; B.S.Ed.; *Education*
- Robin Lynn Seymour-Hicks, Ashtabula; B.S.S.W., M.S.W.; *Public Administration*
- Rhonda Lee Shary, Columbus; B.A.; *English*
- Vincent John Sheehan, Columbus; B.S. (John Jay College); *Education*
- James Simmons, Jr., Middletown; B.G.S. (Kent State University); *Black Studies*
- Sharon Sue Sims, Columbus; B.S.Ed.; *Education*
- Jennifer Lynne Slagle, Worthington; B.S. (Miami University); *Communication*
- Nicole Gnezda Smith, Worthington; B.F.A. (Ohio Wesleyan University); *Art Education*
- Patricia Ann Smith, Ashland; B.A.; *Psychology*
- William Dean Smith, Cridersville; B.S., B.F.A., B.Mus., B.A.; *Interdisciplinary: History of Art, Dance, Music, and Theatre*
- AnilKumar Daniel Solanki, Ahmedabad, India; B.D. (Union Biblical Seminary); M.Th. (United Theological College); *Education*
- James Randolph Sprague, Columbus; B.A. (University of Delaware); *Political Science*
- Vicki Triffon Steger, Columbus; B.S. (Ashland College); *Education*
- Julie Patricia Stets, Niles; B.S.Ind.Des.; *Art Education*
- Margaret Sue Strefze, Worthington; B.S.N. (University of Tennessee); *Physical Education (Health Education)*
- Louis Tijerina, San Antonio, Tex.; B.A. (Saint Mary's University); *Psychology*
- Mary Ellen Anderson Tyus, Columbus; B.S.Ed.; *Education*
- Vicki Sue Vernick, Lansing, Mich.; B.A. (Michigan State University); *Communication*
- Tanasak Wahawisan, Bangkok, Thailand; B.A. (Chulalongkorn University); *Political Science*
- Wanda Brunette Walden, Louisville, Ga.; B.S. (Morris Brown College); *Education*
- Michael French Walker, Iowa City, Iowa; B.A. (Albion College); *Physical Education*
- Cynthia Russell Wanamaker, Columbus; B.A. (University of Toledo); *Education*
- Carlton Norman Weber, Worthington; B.Mus.Ed. (Capital University); *Music*
- Delores D. Moore Webster, Columbus; B.S.; *Education*
- Paul Richard Weishampel, Avon Lake; B.A.; *Anthropology*
- Jay Neil Weitz, Columbus; B.A. (University of Pennsylvania); M.L.S. (Rutgers University); *Education*
- Debora Wellmes, Grove City; B.A.; *Communication*
- Cheryl Jean Wierman, Blue Island, Ill.; B.M.E. (Illinois Wesleyan University); *Music*
- Vida Meadows Wilhelm, Worthington; B.A.; *Education*
- Martha Ann Wilson, Montpelier; A.B. (Wittenberg University); *Education*
- Michael Stuart Witter, Columbus; B.A. (Miami University); *Education*
- Annie Mary Wong, Kowloon, Hong Kong; B.S. (The Defiance College); *Music*
- Lou Ann Workman, Columbus; B.S.Ed. (Bowling Green State University); *Education*
- Christopher Joseph Zahn, Dayton; B.A.; *Communication*
- Joel Leon Zureick, Columbus; B.S.; *Psychology*

Master of Business Administration

Md. Amin Ajalil, Malaysia; B.B.A. (Ohio University); *Business Administration*

Demetrios Alevizopoulos, Columbus; B.S. (DePauw University); M.S.; *Business Administration*

Charles S. Bath, Columbus; B.S. (Miami University); *Business Administration*

Bruce Joel Belinky, Youngstown; B.S. (University of Arizona); *Business Administration*

Michael Edward Bosway, Springfield, Ill.; B.A. (University of Dayton); *Business Administration*

James Michael Brennan, Columbus; B.S.; *Business Administration*

Robert L. Buenger, Ottoville; B.B.A. (Ohio University); *Business Administration*

Mary Lou Burns, Cleveland; B.A. (Cleveland State University); *Business Administration*

Dianna Kay Kimble Cellantani, Columbus; B.S.; *Business Administration*

Layne Edward Cochran, Lancaster; B.B.A. (Cleveland State University); *Business Administration*

William John Deckman, Mayfield; B.S., M.A.; *Business Administration*

Debra Kaye Evans, Lima; B.S.Bus.Adm.; *Business Administration*

Thomas William Fields, Westlake; B.S. (Mount Saint Mary's College); *Business Administration*

Patrick Joseph Fiorelli, Pickerington; B.B.A. (Ohio University); *Business Administration*

Douglas Lee Kauffman, Columbus; B.S.Bus.Adm.; *Business Administration*

Edward Howard Kloboves, Fowler; B.B.A. (University of Cincinnati); *Business Administration*

Judith Ellen Knechtges, Grafton; B.S.Pharm. (Ohio Northern University); M.H.A.; *Business Administration*

Robert Gervase Koenig, Jr., Cincinnati; B.S. (Miami University); M.Acc.; *Business Administration*

Frederick Richard Kruse, Columbus; B.S.Bus.Adm.; *Business Administration*

Laura Ann Labno, Palos Hills; B.A., M.A. (University of Illinois); *Business Administration*

Lawrence James Larsen, Jr., Randolph, N. J.; B.A.; *Business Administration*

Douglas Raymond Malcolm, Canton; B.S.Bus.Adm.; *Business Administration*

Peter Michael McHugh, New Hyde Park, N. Y.; B.S. (University of Dayton); M.C.R.P.; *Business Administration*

Tom Edward Moormann, Columbus; B.A., M.A. (Cornell University); *Business Administration*

Jerome Frederick Mossbarger, Jackson; B.S. (U.S. Military Academy); *Business Administration*

Hayden Scott Noble, Galion; B.S.; *Business Administration*

Vijay-Kumar Sankaran Puducheri, Madras, India; B.Tech. (University of Madras); *Business Administration*

Alfredo Sotomayor Ramos, Gabo Rojo, P. R.; B.S.B.A. (University of Puerto Rico); *Business Administration*

Steven Joseph Ruhe, Ottawa; B.S. (Miami University); *Business Administration*

David Luther Sauerman, Philadelphia, Pa.; B.A. (Wittenberg University); *Business Administration*

Craig Robert Sedoris, Springfield; B.S., B.A.; *Business Administration*

Robert Brandt Shepherd, Bay Village; B.S. (Miami University); *Business Administration*

Phillip Wendell Shoemaker, Columbus; B.B.A. (Eastern Kentucky University); *Business Administration*

Gregg Arthur Spieth, Napoleon; B.S. (Miami University); *Business Administration*

Robert John Szambelan, Detroit, Mich.; B.S. (Wayne State University); *Business Administration*

Surendra Nath Tiwari, Sasaram, India; B.Sc. (Bhagalpor University); M.S.; *Business Administration*

Harry Haralambos Totonis, Columbus; B.S.Bus.Adm.; *Business Administration*

Jen-Lin Tu, Taichung, Taiwan, R.O.C.; B.Com. (National Cheng-Chi University); *Business Administration*

Joseph Melvin Vallo, Minster; B.S.; *Business Administration*

Frederic Stoneman Vorce, Columbus; B.A. (Dartmouth College); *Business Administration*

Janet Karen Ransom Warton, Columbus; B.A., B.S.Ed., M.A. (University of Southern California); *Business Administration*

Kartono Widjaja, Medan, Indonesia; B.S.B.A. (Boston University); *Business Administration*

William S. Williams, Columbus; B.A. (Duke University); *Business Administration*

Suehng Ying, Taipei, Taiwan, R.O.C.; B.S., M.B.A. (National Cheng Kung University); *Business Administration*

Master of City and Regional Planning

Stephen Richard Chaney, Indianapolis, Ind.; B.S. (Purdue University); *City and Regional Planning*

Mitra Afsaneh Farokhpay, Tehran, Iran; B.S.Arch., M.Arch.; *City and Regional Planning*

Alfred Frederick Hunter, Florence, S. C.; B.S. (Allen University); *City and Regional Planning*

Stephen Paul Kotvis, Milwaukee, Wis.; B.A. (Park College); *City and Regional Planning*

Szu-Fu Ma, Taipei, Taiwan, R.O.C.; B.S.E. (National Cheng-Kung University); M.S.; *City and Regional Planning*

William Tracy Rogers, Newark; B.S.; *City and Regional Planning*

Ali Sadeghi, Tehran, Iran; B.S.Arch., M.Arch.; *City and Regional Planning*

Murari Jayantilal Shah, Bombay, Maharashtra, India; B.Arch. (Indian Institute of Technology); M.Arch.; *City and Regional Planning*

Kathleen Kamp Shaw, Columbus; B.A. (DePauw University); *City and Regional Planning*

Patuan Parluhutan Simatupang, Jakarta, Indonesia; Sarjana Muda Teknik, Sarjana Planologi (Institut Teknologi Bandung); *City and Regional Planning*

Master of Fine Arts

Richard John Balabuck, Saskatoon, Saskatchewan, Canada; B.F.A. (University of Saskatchewan); *Art*

Christy Lee Barker, Columbus; B.A.; *Theatre*

Sharon J. Barnebey, Columbus; B.A. (Miami University); *Theatre*

Master of Humanities

Judith Merkle Fertig, Columbus; B.A. (Wittenberg University); *Humanities*

Joan Samia Smith, Steubenville; B.S. (West Liberty State College); *Humanities*

Master of Labor and Human Resources

Amy Shepherd Brubaker, Columbus; B.S.B.A. (Franklin University); *Labor and Human Resources*

Paul Joseph DiFranco, Parma; B.A. (Baldwin-Wallace College); *Labor and Human Resources*

Paula Davis Raghuraman, West Chester; B.A., M.A. (University of Kentucky); *Labor and Human Resources*

Ada Bell Siekmeier, Columbus; B.S.; *Labor and Human Resources*

Master of Music

Sylvia Hummel, Brick Town, N. J.; A.B. (Vassar College); *Music*

Barbara Gail Stadelman, Lexington, Ky.; B.Mus.; *Music*

Master of Science

- Mark Steven Ackerman**, Columbus; B.A. (University of Chicago); *Computer and Information Science*
- Jane Flemm Altman**, Columbus; B.S.N. (University of Pittsburgh); *Nursing*
- Moh. Nazih Alyagshi Eilouch**, Damascus, Syria; B.Sc. (Damascus University); *Civil Engineering*
- Muhammad Arshad**, Punjab, Pakistan; B.Sc. (University of Engineering and Technology); *Electrical Engineering*
- Kojo Assan, Salipond**, Ghana; B.Sc. (University of Ghana); *Agricultural Economics and Rural Sociology*
- Douglas Mackay Austin**, Upper St. Clair, Pa.; B.A. (Denison University); *Natural Resources*
- Sherif Fathy Ayoub**, Cairo, Egypt; B.Sc. (Cairo University); *Civil Engineering*
- Jonathan Scott Bagby**, Grand Rapids, Mich.; B.S.E.E. (Michigan State University); *Electrical Engineering*
- Bruce Edwin Bailey**, Rootstown; B.S.Agr.; *Agronomy*
- Philip Chamunorwa Bamu**, Harare, Zimbabwe; B.Tech. (Indian Institute of Technology); *Civil Engineering*
- Cheryl Elizabeth Battle**, Kinston, N. C.; B.S. (Hampton Institute); *Nursing*
- Deborah Keyser Bauder**, Zanesville; B.S.N. (University of Cincinnati); *Nursing*
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- Robin Dale Cox**, Columbus; B.S.; *Agricultural Economics and Rural Sociology*
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- Penelope Louise Daniels**, Huntington, W. Va.; B.S., B.S.N. (Marshall University); *Nursing*
- Wayne Steven Davis**, Chicago, Ill.; B.Sc. (Northeastern Illinois University); *Environmental Biology*
- Daniel Edward Drexler**, Akron; B.S. (University of Notre Dame); *Industrial and Systems Engineering*
- Carl Edwin Engelman**, Lawton, Okla.; B.S. (Cameron College); *Chemistry*
- Susan Wilke Enouen**, Columbus; B.S.M.E.; *Mechanical Engineering*
- Guillermo Estrada**, Bogota, Colombia; Ingeniero de Sistemas y Computacion (Universidad Los Andes); *Computer and Information Science*
- John David Evans**, Columbus; B.S.Nat.Res.; *Natural Resources*
- Beth Arline Ewing**, Cleveland; B.S.I.S.E.; *Industrial and Systems Engineering*
- Aly El-Sayad Ahmed Farag**, Mit Ghmr, Mansoura, Egypt; B.S., Biomedical Eng., Diploma (Cairo University); *Biomedical Engineering*
- Rebecca Ann Fazi**, Weirton, W. Va.; A.B. (West Liberty State College); *Home Economics*
- Michael Lee French**, Winterville; B.S.E.E. (Ohio University); *Biomedical Engineering*
- Karen-Rae Friedman**, Beachwood; B.S. (The American University); *Home Economics*
- Thomas Richard Frigge**, Piqua; B.S.Rest.Mgt.; *Home Economics*
- Wendy C. Goldstein**, Columbus; B.S.; *Home Economics*
- Patricia Fisher Graves**, Columbus; B.S.Nurs.; *Nursing*
- Debra Lynn Griest**, Hilliard; *Natural Resources*
- Daurice Ann Grossniklaus**, Whitehall; B.S.Nurs.; *Nursing*
- Kunj Bihari Gupta**, Bikaner, Rajasthan, India; B.Tech. (Banaras Hindu University); *Ceramic Engineering*
- Nancy Alice Heaslip**, Cortland, N. Y.; B.A. (State University of New York at Geneseo); *Zoology*
- Nancy Griffin Hedden**, Lakeview, Oreg.; B.S. (Oregon State University); *Home Economics*
- Daniel Nelson Heer**, Columbus; B.S.E.E.; *Electrical Engineering*
- Joseph Benjamin Henry, Jr.**, Baldwinville, N. Y.; B.S. (LeMoyne College); *Chemistry*
- Dan Seymoure Hickman**, Reynoldsburg; B.S.; *Animal Science*
- Caroline Dee Himes**, Upper Arlington; B.S.; *Agricultural Economics and Rural Sociology*
- Li-hua Oliver Ho**, Taichung, Taiwan, R.O.C.; B.S. (Tungshai University); *Chemistry*
- David Arthur Holdford**, Chicago, Ill.; B.S.Pharm. (University of Illinois Medical Center); *Pharmacy*
- Helen Elaine Holmes**, South Hill, Va.; B.A. (Shaw University); B.S. (North Carolina State University); *Chemical Engineering*
- Timothy Jay Holt**, Brinkhaven; B.S.Bus.Adm.; *Agricultural Economics and Rural Sociology*
- Francis John Holtzhauser**, Columbus; B.S.; *Preventive Medicine*
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- Ulpiano Pineda Ignacio, Jr., Guagua, Pampanga, Philippines; B.S. (University of the Philippines); *Civil Engineering*
- Robert Wilson Indian, Columbus; B.A.; *Preventive Medicine*
- Michael A. Ivie, Modesto, Calif.; B.S. (University of California—Davis); *Entomology*
- Andrew John Jacobs, West Homestead, Pa.; B.A. (Saint Vincent College); *Preventive Medicine*
- Barbara L. Jaffe, Columbus; B.S. (University of Pittsburgh); *Preventive Medicine*
- Norma May Keefer, Shelby; B.S.N. (Wright State University); *Nursing*
- Philip Keller, Basel, Switzerland; *Physics*
- Kristen Wright Kennedy, Delaware; B.S.; *Allied Medical Professions*
- Liang Chun Ker, Taipei, Taiwan, R.O.C.; B.S.E. (National Cheng Kung University); *Civil Engineering*
- Elizabeth Mann Kibler, Mobile, Ala.; B.S. (Stetson University); B.S. (University of South Alabama); *Geology and Mineralogy*
- Sandra Jean Kindig, Massillon; B.S. (Bowling Green State University); *Home Economics*
- Michael Lynn Kissinger, Delaware; B.S.; *Agricultural Education*
- Noreen Noriko Koga, Honolulu, Hawaii; B.S.H.E. (University of Hawaii); *Home Economics*
- Thomas Frank Konst, Green Springs; B.S.Agr.; *Agricultural Education*
- Frank Joseph Kosnik, Jr., South Euclid; B.A. (Case Western Reserve University); *Chemistry*
- Tina Marie Kravetz, Vestaburg, Pa.; B.S. (Pennsylvania State University); *Chemistry*
- Kuo-Fang Ku, Taipei, Taiwan, R.O.C.; B.E. (Chung Yuan Christian College of Science and Engineering); M.S.; *Civil Engineering*
- Dianne Celeste Kulasa, Elyria; B.S.Nurs.; *Nursing*
- Si-Cheng Kung, Taipei, Taiwan, R.O.C.; B.S. (National Cheng Kung University); *Metallurgical Engineering*
- John Joseph Labosky, Newton Falls; B.S. (Case Western Reserve University); *Electrical Engineering*
- Stephen John LaFlamme, Amherst, N. H.; B.S. (Worcester Polytechnic Institute); *Nuclear Engineering*
- Mark Anthony Lamantia, Toronto; B.S.M.E.; *Mechanical Engineering*
- Theodore Alan Lang, Woodville; B.S.M.E.; *Mechanical Engineering*
- David Alan Lauzau, Strongsville; B.S.I.S.E.; *Industrial and Systems Engineering*
- Ann Elizabeth Leary, Little Compton, R. I.; B.S. (Providence College); *Poultry Science*
- Fred Douglas Leckie, Jr., Columbus; B.S. (University of Miami); *Natural Resources*
- Eun Young Lee, Seoul, Korea; B.E., M.E. (Yonsei University); *Engineering Mechanics*
- Jay-Hyun Lee, Seoul, Korea; B.S. (Rutgers College); *Electrical Engineering*
- Teresa Katharine Lewandowski, South Bend, Ind.; B.S. (John Carroll University); *Computer and Information Science*
- Stuart Alan Lewis, Cincinnati; B.S.; *Mathematics*
- John T. Li, Maywood, N. J.; B.S. (Tunghai University); M.S.C.S. (University of Dayton); *Electrical Engineering*
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- Daniel Alan Lindsay, Van Wert; B.S.C.E.; *Civil Engineering*
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- Rita Carol Mayfield, Danville, Ky.; B.S. (Kentucky State University); *Home Economics*
- Jennifer Burnham McHugh, Painesville; B.S. (Mount Union College); *Plant Pathology*
- Nora Luellen McKenzie, Marion, Ark.; B.S. (University of Arkansas at Pine Bluff); *Home Economics*
- John William Means, Jr., Cleveland; B.S.; *Zoology*
- David Raymond Meredith, Powell; B.S.M.E. (Ohio Northern University); *Mechanical Engineering*
- Glenn Ray Meyer, Hillsboro, Kans.; B.A. (University of Kansas); *Computer and Information Science*
- David John Millhouse, Flint, Mich.; B.A. (Michigan State University); *Industrial and Systems Engineering*
- Wisik Min, Seoul, Korea; B.S. (Seoul National University); *Electrical Engineering*
- Mark Robert Moldovan, Youngstown; B.S.M.E.; *Mechanical Engineering*
- Kevin Keith Moorhead, Findlay; B.A. (Warren Wilson College); *Agronomy*
- Brian Terrence Murphy, Detroit, Mich.; B.S. (Michigan State University); *Mathematics*
- Ahmad Muhammad-Ali Mustafa, Nablus, Jordan; B.Sc. (Monoufia University); *Electrical Engineering*
- Subha Narasimhan, India; M.S. (Indian Institute of Technology); *Physics*
- Stephen Wayne Nichols, Granville; B.S.; *Entomology*
- Shirley Jean Noble, Carrollton; B.S.; *Allied Medical Professions*
- Kofi Boadi Nyamaah, Kumasi, Ghana; B.S. (University of Science and Technology); *Agricultural Economics and Rural Sociology*
- Lauren Beth Opremcak, North Olmsted; B.S.; *Microbiology*
- Daniel Warner Parke, Wauseon; B.S.; *Food Science and Nutrition*
- Mary Jo Perley, Westerville; B.S.N. (Texas Christian University); *Nursing*
- Alan William Peterson, Cuyahoga Falls; B.A. (Columbia College); *Zoology*
- Christopher John Picone, Solon; B.S.I.S.E.; *Industrial and Systems Engineering*
- Susan Claire Punsel-Engeseth, Gahanna; B.S.N. (University of Wisconsin—Madison); *Nursing*
- S. Hanumanth Rao, Bombay, India; B.Tech. (Banaras Hindu University); M.S.; *Welding Engineering*
- Christopher Ervin Reid, Columbus; B.S.; *Mathematics*

Michael Angelo Rocazella, Cleveland; B.S.Met.E.; *Metallurgical Engineering*

Ronald Charles Roposh, Pittsburgh, Pa.; B.S.E.E.; *Computer and Information Science*

Mark Edward Ross, Youngstown; B.S. (Youngstown State University); *Mathematics*

Jay Alan Schrier, Cincinnati; A.B. (Washington University); *Pharmacy*

Carolyn Sue Wilcox Sechnick, Lisle, Ill.; B.A. (Miami University); *Zoology*

Joong Ho Shin, Seoul, Korea; B.E. (Yonsei University); *Mechanical Engineering*

Jan-Ping Shu, Taipei, Taiwan, R.O.C.; B.S.E. (National Taiwan University); *Electrical Engineering*

Angela Maria Sierra-Moreno, Medellin, Colombia; Bacteriologist and Clinical Laboratorist (Colegia Mayer de Cultura Femenina de Antioquia); *Pathology*

Nancy Lynn Silva, New Bedford, Mass.; B.A. (Southeastern Massachusetts University); *Physiology*

Ann Copeland Smith, Worthington; B.S.N.; *Nursing*

Jong-Mei John Song, Taipei, Taiwan, R.O.C.; B.S. (Tunghai University); M.A. (State University of New York at Oneonta); *Chemical Engineering*

Christine Spivey, Alliance; B.S.N. (Ball State University); *Nursing*

Jaeson Lee Stafford, Canton; B.S. (Wayne State University); *Allied Medical Professions*

Denise Stage, Nelsonville; B.S.N.; *Nursing*

Gunnar Stefansson, Akureyri, Iceland; B.Sc. (University of Iceland); *Statistics*

Billie Monroe Stevens, Jr., Columbus; B.S.E.E.; *Electrical Engineering*

Gaik Choo Teh, Penang, Malaysia; B.A. (Denison University); *Botany*

Laura Jean Thomas, Middleburg Heights; B.S.; *Mathematics*

Joseph Brian Thompson, Birmingham, Ala.; B.S. (University of Alabama—Birmingham); *Metallurgical Engineering*

Abraham Joseph Tobia, Lakewood; B.S.; *Pathology*

Kevin Lynn Trimpe, Columbus, Ind.; B.A., B.A. (Indiana University); *Microbiology*

Vicki Ellen Tripodi, Columbus; B.S.N.; *Nursing*

Sheng-Jy Jerry Tsao, Taichung, Taiwan, R.O.C.; B.S.E. (National Cheng-Kung University); *Engineering Mechanics*

Amy Lynn Sorensen Vangeloff, Toledo; B.A. (Ohio University); *Chemical Engineering*

Daniel Thomas Voss, Maineville; B.Sc. (University of Dayton); *Statistics*

David George Vutetakis, Canton; B.S.Ch.E.; *Chemical Engineering*

Loretta Ann Warren, Normal, Ill.; B.S. (Illinois State University); *Natural Resources*

Renate Ingrid Warren, Dayton; B.A. (Otterbein College); *Chemical Engineering*

Clark Jay Weaver, Dayton; B.S.; *Atmospheric Sciences*

Mary Louise Weaver, Worthington; B.S. (Indiana University of Pennsylvania); *Home Economics*

Jye Wen, Taipei, Taiwan, R.O.C.; B.S. (Fu Jen Catholic University); *Food Science and Nutrition*

Paul Allen Wesebaum, Richardson, Tex.; B.S. (Valparaiso University); *Mechanical Engineering*

Mark Wietecha, Grand Blanc, Mich.; B.S. (Grand Valley State College); *Pharmacy*

Karl Lawrence Wilker, Maineville; B.S.; *Agronomy*

Roger Allen Williams, Columbus; B.S.; *Natural Resources*

Charles Ray Wiseman, Columbus; B.S.Agr.; *Agricultural Education*

Deborah Denese Womack, Greensboro, N. C.; B.S. (North Carolina Agricultural and Technological State University); *Home Economics*

Susan Agler Wright, Prospect; B.S.; *Entomology*

Cheng-Shiung Jesse Wu, Tainan, Taiwan, R.O.C.; B.S. (National Cheng-Kung University); *Mathematics*

John Alex Wynstra, Westerville; B.S.; *Horticulture*

Ching-Sheng Yang, Tao-Yuan, Taiwan, R.O.C.; B.S. (National Cheng-Kung University); *Civil Engineering*

Irene Young, Panama City, Panama; A.B. (Fairfield College); *Agricultural Economics and Rural Sociology*

Mohsen Zarean, Shahreza, Iran; B.S. (West Virginia Institute of Technology); *Civil Engineering*

Robert J. Zellmer, Fairborn; B.S. (Wright State University); *Chemistry*

Kim William Zerby, Millersburg, Pa.; B.S. (The Pennsylvania State University); *Chemistry*

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Colleges of the Arts and Sciences

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Patrick R. Dugan

Vice Provost for the Arts and Sciences:
Thomas A. Willke

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

College of the Arts

College of Biological Sciences

College of Humanities

College of Mathematical and Physical Sciences

College of Social and Behavioral Sciences

College of the Arts

Dean: Andrew J. Broekema

Bachelor of Arts

Kathleen Ann Angerer, Columbus
Bennett Alan Cohen, Columbus
Susan Judith Evenchik, Canton
Margaret Ellen Hawkins, Akron
Janet Ann Hietter, Columbus
Janet Lee Hines, Chicago, Ill.
Carolyn Langel, Columbus
Daniel Lee McKittrick, Wheeling, W. Va.
Martin Andrew Pardo, Defiance
Kirk Michael Patton, Worthington
Brian Lee Sands, Richwood
Sue Ellen Stapleton, Washington C. H.
Susan Elizabeth Tippet, Columbus
Joel Keenan Wendt, Worthington

Bachelor of Fine Arts

Cynthia Ruth Adam, Mansfield
Douglas William Carnes, Columbus
Elaine Comer, Columbus
Robert Hilton Crites, Columbus
Suzanne dela Peña, Columbus
David-Noël DeRobertis, Brecksville
Ngozi Nubari Gbole-Nwinkins,
Port Harcourt, Nigeria
Dean Palmer Goss, Columbus
Dana Shelly Greenberg, Columbus
James Melvin Harry, Columbus
Jennifer A. Hein, Columbus
Rebekah Voll Kenney, Bucyrus
Kristen Marie McCarthy, Westerville
Michael Vincent Messier, Columbus
Gregory L. Nesbitt, Columbus
Scott Jeffrey Ney, Berea
Karen I. Romas, Columbus
Dawn Christine Sessler, Lancaster
Mary Lynn Shepherd, Columbus

Bachelor of Music

Glenn Allen Beachy, Columbus
Marjorie Bennett Bray, Columbus
Laban Darrel Miller, Irwin
David Alan Wiley, Harrisburg, Pa.

Bachelor of Art Education¹

Kitty Jane Blackford, Dublin
Gwendolyn D. Dickerson, Coshocton
Denise Schmenk Fogt, Elida
Mary Ann May, Worthington
Victoria Ann Pannella, Worthington
Mary Elizabeth Paschal, Middletown
Constance Tracy, Worthington
Jeffrey Gerard Turner, Columbus

Bachelor of Music Education¹

Cynthia Ann Frase, Litchfield
Susan Marlene Kinsley, Worthington
John Victor LaMacchia, Wellington
Jane Louise Matyskella, Columbus
Melinda Lu Murphy, Columbus
Robert Allen Nixon, Lebanon
Stephen Joseph Polizzi, Retsof, N. Y.
Gary Lynn Richards, Upper Sandusky
Catherine Ann Rings, Columbus
Daniel Lee Sullivan, Blacklick

¹ Offered jointly by the College of the Arts and the College of Education

Bachelor of Science in Audio Recording

Lynn Allen Borton, Alliance
Daniel Alan Lahman, Reynoldsburg
Marvin Eugene Parsons, Cutler

Bachelor of Science in Industrial Design

Jane Ann Bobel, Lorain
Daniel Edward Brady, Lorain
Dennis Charles Couch, Columbus

College of Biological Sciences

Dean: Patrick R. Dugan

Bachelor of Science

Elizabeth Grace Apolonio, Brecksville
Shawn C. Berry, North Canton
Patrick Arthur Biles, Piqua
Satpal Singh Bir, Columbus
Steven B. Cohen, South Euclid
Debra Grace Fox, Huber Heights
Jeffrey Stephen Gillette, Rochester, N. Y.
John Charles Herd, Fairborn
Joyce Ellen Hinkle, Akron
Brent Wilson Imbody, Marion
Kevin Dean Johnson, Gahanna
David Dale Kessler, Canton
Elizabeth Ann Law, Powell
Deborah Lopuchovsky, Hubbard
John Martin Mastro, Youngstown
Sheryl Ann Mayer, Painesville
Joseph Anthony Novak, Rocky River
Joseph Patrick O'Connor, Auburn, N. Y.
Steve Allen Padilla, Columbus
Mary Lou Cervenak Ringle, Lakewood
Marcia Jean Shands, Sparta, N. C.
Jennifer Sue Steinhauer, New Boston
William Stephen Toth, Jr., Madeira

College of Humanities

Dean: Diether H. Haenicke

Bachelor of Arts

Craig A. Apple, Reynoldsburg
Lyn W. Baker, Mansfield
Daniel Lewis Barber, Glenford
Mary M. Bardach, Columbus
Karen Dawn Best, Hebron
Katherine Elizabeth Body, Hilliard
Pamela Jane Brandt, Cleveland
David Lewis Bucklew, Columbus
Dagmar Carstensen, Columbus
Luciano Conte, Brookpark
Jeffrey Sean Corzine, Chillicothe
Deborah Brown Dearth, Pataskala
Alesia Rita Rina Renee Dickson,
East Cleveland
Alison Anne Eppinger, Scotch Plains, N. J.
Patricia Bibko Forward, Columbus
Theresa A. Hartley, New York, N. Y.
Laurence James Haynie, Alvin, Tex.
Bruce A. Holler, St. Clairsville
Joel Andrew Kane, Bay Village
Beverly Byers Kelly, Columbus
Keith Stuart Knopf, Columbus
Diane Marie Larkin, Columbus
Nancy Jane Maradie, Worthington
Rebecca Motil McCormish, Burton
James Alan McNeal, Galion
Jeffrey Jon Mercer, Columbus
Michael Douglas Mitchell, Erewhon
Carol Jeanne Mitten, South Euclid
Thomas Aquinas Pajor, Lima
Elizabeth Jane Phillips, Kenton

Francis C. Rack, Columbus
Diana Marie Rowland, Marion
Linda E. Rulman, Defiance
James M. Schaub, Mansfield
David Alan Scott, Columbus
David William Simpson, Kenilworth, Ill.
Joseph Newton Smith, Urbana
James Wendell Stallworth, Cleveland
Lori Ann Stan, Columbus
Bruce Bryant Walters, Columbus
Gregory J. Winter, Columbus
C. Philip Wright, Marion

College of Mathematical and Physical Sciences

Dean: Colin B. B. Bull

Bachelor of Arts

Robert Joseph Dervin, II, Reynoldsburg
Mark S. Glaze, Pickerington
Scott R. Sancetta, Chagrin Falls
Jean Kennedy Warner, Columbus

Bachelor of Science

Steven Lewis Barth, Coshocton
Karen Ann Cairo, Morristown, N. J.
Connie Jane Campbell, Columbus
Cynthia L. Carpenter, Somerset
Barbara Jean Cox, Elyria
Bashir M. E-mail, Misurata, Libya
Samuel P. Figuli, Cleveland
Robert Joseph Good, Piqua
Thomas Fred Haviland, Marion
Akira Kan, Yamagata, Japan
Jeffrey Stuart Kargel, North East, Md.
Philip Keller, Basel, Switzerland
John Barrie Kelly, Clifton, N. J.
Cynthia Hauck Lauzau, Upper Arlington
Bruce Gordon Ligo, Chadd's Ford, Pa.
Donald E. Ludlow, Springfield
Craig Andrew McDowell, Chillicothe
Earl E. Moyer, Greenville, Pa.
Wayne Anthony Savona, Malvern
Jeffrey Gordon Shafer, Upper Sandusky
J. Elizabeth Sheriff, Columbus
Suzanne Marie Snyder, Columbus
Robert A. Vrabel, Mansfield

College of Social and Behavioral Sciences

Dean: S. Earl Brown

Bachelor of Arts

Jeanne Susanne Abbott, Akron
Robert Edward Bardwell, Jr., Columbus
Terry Lee Barga, Sidney
Kimberly Jo Barnhart, Lancaster
Richard Brian Bello, Columbus
Mohamed Hamed Benarous, Benghazi, Libya
Elizabeth J. Blesch, Columbus
John Douglass Botti, Canton
Karen Lee Bowman, Urbana
Sharon Louise Bowman, Columbus
Kathleen Marie Branch, Shelby
Cynthia Shank Burggraf, Columbus
Patricia Lynn Campbell, Mansfield
Constance S. Carter, Delaware
John Gerard Chiazza, Lima
Ralph C. Chope, Parma Heights
Gerald Thomas Clellen, Westerville
William A. Cochran, IV, Waynesville
Lynn Marie Collings, Mansfield
Michele Elizabeth Coliver, Grandview Heights
Elsbeth Maria Connaughton, Columbus
Virginia Grace Conte, Lakewood
Mary Kay Cook, Silver Lake
Peggy Colleen Danehy, Toledo
Calvin Daniels, Toledo
Mindy Lisa Davis, South Euclid
Patricia Ann Day, Akron
Melinda Ann Derr, Loudonville
Gregory Todd Donahue, Coal Grove
Elizabeth Ann Donaldson, Fort Jennings
Susan Beth Dworkin, Cleveland
Ronnie Martin Dziak, Seven Hills
Susan Jeannette Edris, Ormond Beach, Fla.
Jeffrey C. Eisenberg, Beachwood
Leon McNair Ellison, Washington, D. C.
John F. Epitropoulos, Warren
Alecia Hope Fairbanks, Columbus
Kevin Jeffrey Fladen, Mount Vernon
Robert M. Foote, Bay Village
Jill Footer, Englewood
Carl Edward Franklin, Lyndhurst
Keith Ray Gilbert, West Carrollton
Ronald Frederick Gornichec, Mentor
Ann Marie Graham, Mansfield
Cynthia Gruber, Worthington
Debbie L. Haggerty-Bick, Toledo
Linda Lee Haight, Columbus
John Edward Heisler, Lyndhurst
Patricia Leigh Hess, Columbus
Sonya Higginbotham, Lorain
Don Allan Hone, Celina
Helene I. Horn, North Woodmere, N. Y.
Jeffrey William Horner, Kettering
Peter Chang-de Hui, Hong Kong
Jon Bradley Hurst, Delaware
Jeffrey Robert Jump, Marion
Parran Keesecker, III, Erwin, Tenn.
Amy Jo Keller, Grandview Heights
Mary Teresa Kelley, Columbus

Janet Fowler Kimerline, Bucyrus
Ronald Wayne Knauer, Cincinnati
Margaret Jennifer Laidlaw, Ocean City, Md.
Connie Lou Lambert, Caldwell
Dawn Kimberly Lance, Fort Worth, Tex.
Janice R. Lanier, Westerville
Lynda Lee Lanphere, Columbus
Craig William Lewis, Newark
Nancy J. London, Cleveland Heights
Jonell Lovett, Cincinnati
Ellen Marie Lyons, Gahanna
Neil Alec MacQueen, II, Upper Arlington
Raymond Joseph McMahon, Grandview Heights
Jeffrey David Michael, Columbus
Penny Cottrell Miller, Columbus
Teresa A. Miller, Lyndhurst
Valerie G. Miller, Waverly
James Paul Monast, Upper Arlington
Kevin William Moore, Columbus
Jean Wilbur Morris, Columbus
Kimberly Sue Norris, Columbus
Loretta Marie O'Sullivan, Columbus
Raymond Dale Oakes, Paris
Lori Ann Olson, Ashland
Joann Gail Ort, Canfield
Penelope Ann Paoliello, Cambridge
Dianne McKenna Patterson, Marysville
Gregory Michael Peters, Washington, D. C.
Elizabeth Ann Phillips, Columbus
Barbara Schuler Pickett, Marion
John George Popper, Glenside
Faye Darcel Powell, Illinois
Jayne E. Powell, Columbus
Robin Rebecca Rader, Ontario
Lisa Robin Raiz, Bexley
Diane Lynne Rawlings, Euclid
Susan Margaret Rich, Washington C. H.
Jayne Louise Roepke, Gibsonburg
David Bennett Rogers, Troy
Laurie Ann Russell, Wintersville
Matthew V. Sauer, Columbus
John Clark Schreck, Galion
Alan J. Schulman, Cincinnati
Charles Schumacher, Columbus
Carter Eugene Scites, II, Delaware
David Todd Sheidlower, Canton
Raymond Joseph Siegrist, Columbus
Howard R. Shrimpton, Parma
Stu Jay Sisco, Butler, N. J.
Jon Art Slater, Jr., Lancaster
Lydia C. Smith, Steubenville
Terri Lee Southern, Columbus
Elaine Yvonne Spatt, Columbus
Paula J. Spears, Marion
Kevin Malone Starr, Vienna, Va.
Mark Alan Szorady, South Euclid
Alvin Chris Taylor, Newport News, Va.
Sherri Louise Theis, Warren
Ann Carolyn Tomashfski, Chagrin Falls
Robert John Van Der Velde, Cleveland Heights
Richard Alan VanBrimmer, Delaware
Richard John Wagner, Lakewood
Lawrence Marc Weisman, Beachwood
Martin John Welker, Springfield
David Quinten Wigginton, Wintersville
Cheryl Louise Worley, Columbus
Steven Glenn Wyatt, Cincinnati
Ruth Marie Yahl, Botkins

Bachelor of Science

Terry Lee Brown, Columbus
Bryan Edward Connell, Washington C. H.
Christal Lynn Dunsieith, Leeburg
Vicky Primer Felz, Bainbridge
James L. Foster, Mentor
Laurie Ann Jones, Canfield
Rita M. Killigrew, Corning, N. Y.
Gerard Kortyna, Broadview Heights
Robert Wavelin Lewis, Bellville
Jeffrey E. Rhees, Oakwood
Renee Marie Starinki, Barberton
Deborah Lynne Wills, Columbus

School of Journalism

Bachelor of Arts in Journalism

Douglas R. Alter, Columbus
Lynne Marie Baker, Wooster
Jodie Barnes, Amanda
Edmund L. Brown, Columbus
Mark E. Carroll, Westfield Center
Amy E. Chivington, Columbus
Alicia Kathryn Eckley, Columbus
Douglas Scott Evans, Marion
Jacqueline Ann Farthing, Canfield
Gary Richard Glowacki, Greene
Kim James Herouvis, Rocky River
Robert Vivian Higgs, New Albany
Gary Michael Horowitz, Columbus
Sandra Huggler, Enon
Mary Alice Krier, Columbus
John Timothy Krumlauf, Columbus
Bradley Charles Lendon, North Royalton
Ann Morrow Marion, Lakewood
Wilbye Mae Mason, Athens, Ala.
Aiane Sue Megna, Bellevue
Randall Scott Merritt, Columbus
Diane Ellen Moore, Bryan
Janet Ballard Naylor, Columbus
Timothy Paul Pettit, Columbus
Gary Lyn Presley, Lima
Michelle Jean Rice, Worthington
Ronald Curtis Roenick, Strongsville
Judy Kay Ruthsatz, Sandusky
Patricia A. Schmucki, Cleveland
Nina Abbe Shapiro, Columbus
Mary Elaine Shering, Upper Arlington
Kimberly Marie Shonk, Columbus
Michael James Sopko, Cleveland
Thomas Bradley Stauffer, Greenville
Donald Edward Tudor, Galion
Patricia Marie Walsh, Cincinnati
Carolyn Patricia Weber, Marion
Donna L. Williams, Virginia Beach, Va.

College of Administrative Science

Dean: H. Justin Davidson

Bachelor of Science in Business Administration

Kimberly Jo Allen, Dayton
Saeed Mohamed Al-Shidhani,
Muscat, Oman
Judith Lynn Baker, Vandalia
Scott Lawrence Baker, Cleveland
David Harold Ball, Columbus
Mark Jay Ballenger, Marion
Kenneth Scott Balogh, Toledo
Kurt Douglas Balsar, Delaware
Kevin Gerard Barry, Columbus
Jane Michele Bauer, Upper Sandusky
Susan Lynn Bauer, Cincinnati
Daniel Abner Bauman, Jr., Westerville
Ann Margaret Beaudoin, Wilmington, Del.
James Edward Beck, Coshocton
James Christopher Bell, Shelby
Kathy Crawford Blackstone, Columbus
Michael Leland Blair, Washington C. H.
Steven Lloyd Bochnak, Columbus
Jacelyn Kay Boger, Caledonia
James Robert Bonfante, Columbus
James Robert Boughtner, McKeesport, Pa.
Kevin Eugene Brown, Newark
Thomas Andrew Brown, Columbus
Joel Scott Buck, Columbus
William Scott Byrum, Richmond, Ind.
William Edward Callam, Mayfield
Kevin Kinsey Calori, Columbus
Michael Anthony Capozziello, Columbus
Robert Paul Carlisle, Millersport
Waite Wesley Carlisle, Newark
Barbara Helene Carlson, Columbus
Lois Marie Chandler, Gahanna
Robert Hess Christiansen,
Cleveland Heights
Christopher B. Christo, Elyria
Galen Bernard Cisco, Jr., St. Marys
Michael James Clark, Columbus
Timothy K. Clement, Bellefontaine
Kimberly Sue Cline, Delaware
Rex Stacey Cole, Sandusky
Mary Elizabeth Conley, Ironton
Richard Joseph Contini, Lima
Mark James Conway, South Euclid
David Alan Cook, East Liverpool
Joel Charles Cooper, Columbus
Scott Kendall Cooper, Tulsa, Okla.
Stephen Lowell Covert, Tiffin
Brian D. Crum, Caldwell
Michael John Cummins, Columbus
Joseph Christopher Currell, Cincinnati
Scott Franklin T. Daering, Maumee
Marcella Jean Danklef, Salem
Michael William Dean, Newark
Christopher L. DeFourny, Columbus
James Gerard Dehan, Akron
Thomas Joseph Della Flora, Columbus
Jeffrey Alan DelNostro, Highland Heights
Raymond Joseph DePaul, North Jackson
Dixie Anne Depew, Columbus
Robert Brenton Dickerson, Fairlawn
John A. Dodd, Columbus
Michael John Doseck, Wapakoneta
John Michael Doyle, Pataskala
Alice Marie Dudgeon, Newark
Lawrence R. Ednie, St. Clairsville
Lori Sue Einzig, Youngstown
Mark Alexander Elam, Cincinnati
Marcy B. Elbrand, Mentor
Thomas L. Esterline, West Unity
Bret Allen Everman, Sabina
Daniel Edward Ewing, Columbus
Gilbert Michael Ezzo, Columbus
Joseph Richard Fairchild, Centerville
Timothy Joseph Fallon, Columbus
Carolyn Ann Fanning, Columbus
Karl Herman Farwig, Wayne
Grant Russell Ferree, Jr., Columbus
Joseph Charles Fetty, Columbus
Brenda Elaine Findley, Fostoria
Monte Kendall Fisher, Peebles
Joseph Edwin Foley, Upper Arlington
David Russell Ford, Columbus
Steven Michael Ford, Columbus
Michael Joe Frazier, Bainbridge
Harry Joseph Fry, Huntsville
Jeffrey Drew Gandert, Edison
Robert James Gardner, Milford
Eydie Kay Gartrell, Westerville
Karen Ann Garvin, Worthington
James Gawronski, Columbus
Nadine Marie Geiger, Lima
Michelle Rae Gentry, Brecksville
Gale William George, Columbus
Dana Richard Gibbs, Mansfield
Gary Martin Gilbert, Columbus
Paul Gregory Gilman, Cincinnati
Michael Patrick Gleich, Columbus
Anthony Edwin Goldberg-Rugalev,
Columbus
Karen Marie Graham, Columbus
Michael Foster Greenspun,
University Heights
Hazel Giffen Haller, Dayton
Thomas Edward Hannaford, Euclid
Frank Burdette Hannah, Mansfield
Steven Lee Hayhurst, Hilliard
Stephen Thomas Hentz, Cincinnati
Lynn Marie Herro, Akron
Charles Peter Hershey, North Canton
Carol Ann Hertenstein, Lancaster
James Edward Hilditch, Columbus
Steven James Hoch, Lancaster
Timothy John Holscher, Worthington
Gary L. Hoover, Tiffin
Ronald Eugene Hopson, Hebron
Mark Charles Horrigan, Akron
Candace L. Horvath, Maple Heights
Teresa Ann Hoyer, New Bremen
David Noel Hunsinger, Cleveland Heights
Susan Belle Huston, Marietta
Kevin R. Iguchi, Columbus
Ben C. Jay, Columbus
Brian Keith Jenks, Bloomington, Minn.
Katina Marie Jennings, Columbus
Stephen Michael Johann, Ironton
James Philip Jones, Jr., Dayton
Stanley Russell Jones, Dover
Barbara J. Jordan, Delaware
Michael Keith Jorgensen, Huron
Lita Moore Jornd, Columbus
Rouse Katona, Strongsville
Michael Lynn Kauffman, Chillicothe
Benjamin H. Kaufman, Great Neck, N. Y.
MaryAnn Keffer, Massillon
James Joseph Kennedy, Springfield
Donna Marie Kerr, Irwin, Pa.
Fanny Wai-Han Keung, Hong Kong
Christie L. Khourie, Columbus
Kevin Keith Kibler, Westerville
Richard Joseph King, Columbus
Rodney Alan King, Chillicothe
Paula G. Kitsmiller, Columbus
Michael K. Klose, Findlay
Charles Theodore Koehler, Mansfield
Kim Marleen Kossmann, Columbus
Steven Arthur Kraft, Gahanna
James William Krieger, Oak Harbor
Richard Thomas Kurth, Columbus
David Frank Lachey, Dayton
Tina Marie Laessele, Columbus
Katherine Lee Lane, Columbus
David Marshall LaRue, Germantown
Patricia Anne Lassiter, Fayetteville, N. C.
Charles John Latsa, Westlake
Anna Marie Layo, Columbus
Thomas S. Leggett, Columbus
Jean Marie Letcher, Steubenville
Donald Bauer Lewis, Upper Arlington
Mary E. Linder, Wapakoneta
Paul Martin Lockman, Washington C. H.
Frederick Manuel Lojo, Upper Arlington
John Raymond Lorence, Columbus
Elizabeth Louise Lynch, Dayton
Scott Timothy Mackay, South Euclid
Michael Maurice Maire, Conneaut
John Charles Mansour, Youngstown
Robert Dirkson Martin, Columbus
Sharon Sue Usery Mascolino, Columbus
Gary Louis Massar, Columbus
Bruce A. May, Solon
Peter John May, Springfield
Thomas Robert Mazey, Johnstown
Sally Wood McCarty, Athens
Scott Allen McCoy, East Liverpool
Cathy Sue McFadden, Sabina
Lorraine Faye McFarren, Dalton
Brenda Jean McGoanle, Reynoldsburg
Kevin Kelly McGuinn, Centerville
Mark K. Millar, North Canton
Sheryl Ann Miller, Marion
Michael Allen Minadeo, Highland Heights
Alice H. Mitchell, Worthington
Robert C. Mixer, Grove City
Joseph Clement Monda, Ashtabula
Paul Warren Moore, Columbus
Lisa Lynn Morehead, Middletown
Jeanne Frances Murphy, Gates Mills
Beth Michelle Murray, Westlake
Steve Andrew Nagle, Dayton
Merritt Marshall Narance, Marion
Donald Kyle Nickell, Venice, Fla.
Anne Marie O'Keefe, Columbus
James Patrick Ortlieb, Columbus
Saverio Nicholas Pagioni, Columbus
Jeffrey Allen Parrott, Ostrander
Gary Neal Perfect, Fredericksburg, Va.
D. Kevin Pfeiffer, Hamilton
Jorge Luis Pla, Brecksville
Scott John Pok, Worthington
William Carlyle Pope, Cleveland
Linda S. Potter, Columbus
Jeffrey Ralph Powell, Columbus
Jack Walter Price, Columbus
Gregory John Pursiful, Youngstown
Kathy Klepser Ralph, Worthington
Robin Lynn Raymond, Columbus
Susan Florriane Reeds, Columbus
Randolph Jeffery Reese, Moreland Hills
Kurt Douglas Reichert, Dayton
William Scott Ridgway, Dayton
Jeannette Cecile Rigot, Dayton

David Milton Ritner, Dayton
 Susan Louise Robb, Hinckley
 Alex Herbert Rogl, Littleton, Colo.
 Maureen Ellen Ryan, Plainfield, Ill.
 Eric John Sandberg, Willoughby
 David A. Sands, Columbus
 James Emerson Satterfield, Cincinnati
 Larry Schofield, Newark
 Thomas A. Schrote, Marion
 Melinda Marie Schultz, Tiffin
 Martin Schwartz, Capetown, South Africa
 Laura Ann Scofea, Ashland
 J. Scott Seipel, Waterville
 Ronald Herbert Seymour, Columbus
 Scott Charles Shively, Canton
 Scott Alan Smiley, Canton
 Michael Thomas Smurr, Columbus
 John David Sneedgar, Dayton
 Richard Anthony Snyder, Ft. Myers, Fla.
 Cynthia Marie Squires, Worthington
 Brad Steven Staats, Monroe Falls
 Michael David Staley, Forest
 Robert Neil Stambaugh, Lima
 Linda Kay Stine, Shelby
 Michael Nolan Stone, Columbus
 Jeanne Louise St. Pierre, Worthington
 Catherine Ann Sturges, Columbus
 Kimberly Ann Sullivan, St. Clairsville
 Robert T. Swain, Mansfield
 Dan William Swift, Pierpont
 Katherine Ada Swords, Mt. Sterling
 Brian Mitchell Szames, Columbus
 Mark Frederick Taggart, Worthington
 Valerie Pauline Tancredi, Euclid
 Frank Randall Tarr, Columbus
 Dennis Leslie Tatman, Columbus
 James Ralph Thomas, Akron
 Joseph Wayne Thompson, Pataskala
 Susan Ann Trafas, Davison, Mich.
 Donald Glenn Tucker, Galion
 Patricia Lynn Turner, Perrysburg
 Alan Woodrow Van Patten, Jr., Columbus
 James Evan Wagstaff, Grove City
 Virginia Susan (Ream) Walls, Lima
 Marlene Roxanne Wathen, Columbus
 Daniel A. Wedemeyer, Columbus
 Sherry Joyce Wells, Hilliard
 Steven Dale Werstiuk, Galion
 Gary Matthew Westfall, Akron
 Gary Norman Williams, Amlin
 Kenneth Edward Wilson, Olmsted Falls
 Brian Earl Wise, Heath
 Steven Harry Wittman, Columbus
 Christopher Thomas Wolfe, East Liverpool
 Christopher John Wood, Columbus
 Timothy Ray Wright, Springfield
 Timothy Joseph Yake, Springfield
 Rocky T. Yang, Columbus
 Earl D. Yerina, Westerville
 Jennifer Ann Young, Kenton
 John Quin Zofkie, Wapakoneta

Bachelor of Science in Labor and Human Resources

Thomas K. Yatsko, Youngstown

College of Agriculture and Home Economics

Dean: Roy M. Kottman

Bachelor of Science in Agriculture

Tamara Abernethy, North Canton
 Robert Olan Atwood, Columbus
 Coleen Marie Baer, Marion
 Roger Allen Barlow, Liberty Center
 Delana Christianson Barnhart, Fremont
 Kristine Louise Bauer, Marion
 Thomas Edward Beach, Williamsburg
 John Eric Bratton, Danville
 Mark Allen Brause, Bucyrus
 Susan Caroline Brown, Sylvania
 Teresa Karen Bullard, Hillsboro
 Rick Lynn Carmichael, Wooster
 Mark Wayne Chrisitan, Delaware
 Jennifer Arlene Cook, Thornville
 Lori Ann Cunningham, Dayton
 Joel Eric Eltzroth, Jamestown
 John Robert Evans, Gallipolis
 Timothy Lee Fogt, Anna
 Mary Beth Hastedt, Mark Center
 Joseph Smith Hathaaway, Toledo
 Charles Patrick Hicks, Cincinnati
 Craig Francis Hilberg, Wilmington
 Robin C. Hovis, Helena
 Wayne Martin Johnson, Marshallville
 W. Scott Jones, Ashville
 David Lewis King, Reynoldsburg
 Pat Richard King, Wauseon
 Joseph Smith Krill, Edgerton
 Susan Carol Larson, Newton, Mass.
 Terrence Fred Lau, Curtice
 Bruce Edward Lawton, Fleming
 Sarah Jane Link, Columbus
 Mary Elaine Lynch, Columbus
 Christopher John Marinik, Vermilion
 Steven Lloyd Mays, Bellevue
 Neil Thomas McDevitt, Jr., Dayton
 Robert Joseph McLaughlin, Woodsfield
 Nancy Michele Michaelis, Seven Hills
 Dean James Miller, Clyde
 Mark Duane Miller, Delaware
 Todd Kevin Noble, Westerville
 Nancy Lida Nower, Hamilton, N. Y.
 Thomas Mark O'Diam, Xenia
 Thomas Lee Oglesby, Hillsboro
 Steven Harvey Oury, Felicity
 Thomas Arthur Overstrom, Endicott, N. Y.
 Julie Ann Persinger, Washington C. H.
 Cynthia Louise Pfouts, Dayton
 Brian Michael Philbin, Perrysburg
 Carl Lloyd Powell, Columbus
 Jeff Allen Powell, Hopewell
 John Clayton Powell, Hopewell
 Greg Aaron Pyles, Akron
 Dwight Charles Radcliff, Circleville
 Mark Frederick Reineck, Fremont
 Teri Louise Roth, Lima
 Timothy John Ruffing, Norwalk
 Mark Harold Sanborn, East Orwell
 Dorothy Schmuck, Columbus
 Phillip Raymond Schwendenman, Columbus
 Scott Lee Shaneyfelt, Xenia
 Vickie Jean Shultz, Bowerston
 Vicki Ellen Simmerman, Morrow
 Steven Wayne Snead, Casstown
 Martin Joseph Snider, Mansfield
 Everett William Snyder, Hillsboro

Robert Eugene Spangler, Jr., Tampa, Fla.
 Randy Dale Spargrove, Frazeysburg
 Drake Stinson, Frankfurt
 Rebecca Ruth Strayer, Elida
 Douglas Alan Stützlein, Loudonville
 Rodney Stewart Swonger, DeGraff
 Ken Rardin Thomas, Gallipolis
 Steven Titzko, III, Columbus
 Patricia Stiles Titus, Wapakoneta
 John Fredrick Traxler, Avon

Bachelor of Science in Food Science

Sally Stuart Drake, Columbus

Bachelor of Science in Food Technology

Nancy Jane Hugus, Rushville
 S. James Natoli, Delaware

Bachelor of Science in Nutrition

Edward Dwain Bonnette, Marietta

School of Home Economics

Bachelor of Science in Home Economics

Karen Kay Alexich, Worthington
 Stacie Bernard, Sabina
 Lori Lynn Borowski, Eastlake
 Vivian Carol Brewer, Grove City
 Alea Charlene Bromm, Fairborn
 DiAnna Bucher, Centerville
 Susan Anne Bursk, Middletown
 Holly Kae Casagrande, Columbus
 Debra Ann Centrackio, Highland Heights
 Peggy Jo Cochran, Whitehouse
 Colleen Marie Dixon, Delaware
 Mary Lisa Edwards, Columbus
 Marcia E. Feinberg, Pittsburgh, Pa.
 Barbara Gay Gilbertsen, Upper Sandusky
 Terri Lynn Gottke, Euclid
 Theresa Catherine Halloran, Cincinnati
 Carmella Sharron Heath, Massillon
 Linda Anna Ellen Heilman, Kenton
 Paulette Klopfenstein Huber, Crestline
 Lee Ann Keller, Jackson
 Elyse Kreitman, Louisville, Ky.
 Julie Ellen Light, Cleveland Heights
 Josephine A. Malta, Jackson, N. J.
 Porta Jo Martin, Laurelville
 Janice Ruth McMunn, Stow
 Kathy Jo McNutt, Hilliard
 David Amil Mentges, Columbus
 Linda Kaye Millard, Parma Heights
 Judith A. Morgan, Reynoldsburg
 Diane Marie Naber, Columbus
 Melanie Sue Nye, Columbus
 Karen Lynn O'Connor, Canton
 Rebekah Sue Packard, Geneva
 Marianne Palombo, Rocky River
 Viola Moo Young Park, Decatur, Ga.
 Patricia C. Polster, Columbus
 David Michael Powell, Columbus
 Donix Gabriel Powell, Columbus
 Julie Lynn Reeves, Kinsman
 Cheryl Ann Robinson, Gallipolis

Elaine Patricia Schabitzer, Bay Village
Alicia Lee Scott, Cleveland
Melinda Sue Shafer, Bradford
Deborah Helene Smuckler, Canton
Janet Snyder, Columbus
Peggy Lee Suver, Pickerington
Elaine S. Swormstedt, Dayton
Mary Elizabeth Vent, Upper Sandusky
Martha Elizabeth Wetzel, Dayton
Paige Marie Willis, Marion

Bachelor of Science in Nutrition

Jerald Howard Simmons, Beachwood

Bachelor of Science in Restaurant Management

Timothy Richard Dull, Columbus
Beverly Jane Masola, Columbus
Barbara Ann McGowan, Salem

School of Natural Resources

Bachelor of Science in Natural Resources

David Eugene Ackerman, Bowling Green
Brad Allen Ault, Buckeye Lake
Lana Sue Baker, Columbus
Richard Edward Bauer, Bucyrus
Teresa L. Boz, Columbus
Brian Carleton Burkett, Fremont
Thomas L. Burkhart, Rinard Mills
Catherine Gertrude Craig,
West Richland, Wash.
Jeffrey Scott Dierksheide, Bucyrus
Louis Robert Dispenza, Youngstown
Lori Ann Franklin, Huron
Joseph Edwin Gerst, Columbus
David Brian Green, West Jefferson
Debra Lynn Griest, Hilliard
Paul Frederick Hahn, Jr., Columbus
Kevin T. Kessler, Lancaster
Karen Lynn Khol, Lyndhurst
Michelle Fay Kuhlman, Willowick
Pete L. Leaf, Columbus
Kevin Wall Lowry, Springfield
Esta Elizabeth Lynch, Columbus
Randall Eric McGonigal, Springfield
Cynthia Marie Mehringer, Martinsburg
Mark Eugene Monaco, Dover
Kevin P. Oldaker, Columbus
Margaret Elizabeth Park, Columbus
Gail L. Hardin Porter, Columbus
Rosemary Catherine Redmond, Belpre
Bonnie Dorsey Reilly, Worthington
Tracy Ann Rice, Ostrander
Bryan Edwin Sieling, Portsmouth
Brian Joseph Sohner, Stow
William Eugene Southern, Salem
Ronald Clifton Storm, Columbus
Barbara Jean Suto, Dayton
John Stephen Tertuliani, Northwood
Richard Paul Tritt, Columbus
Victoria G. Wetzel, Cuyahoga Falls
Jeffrey Lewis White, Columbus
Mark Hugo Zimmerman, Lima
Rebecca Sue Zwayer, Madeira

Agricultural Technical Institute-Wooster

Associate in Applied Science

John Eugene Ameser, Alliance
Catherine Jane Apicella, Brecksville
Lee Richard Ashmus, Broadview Heights
Kent Alan Belau, Defiance
Leslie Carl Gilson, Wooster
Denise Sue Hornak, Wooster
Laura Jane Israel, Westerville
Francisco Samuel Mannix,
New Braunfels, Tex.
Linda Lee Manwaring, Massillon
Andrew Dean Noble, Westerville
Scott Fenwick Ridgway, Louisville
Dee Anna Roberts, Lodi
Thomas John Robinson, Bay Village
Gayle Ann Sathre, Cleveland
Deborah Marie Straszheim, Eaton
Thomas Myron Willer, Fremont
Jack Raymond Zimmerman, Fremont

College of Dentistry

Dean: William R. Wallace

Doctor of Dental Surgery

Mark George Adler, Walton Hills
B.S.

Thomas Leslie Bowers, Swanton
B.A. (University of Toledo)

William Earl Brosky, Ashtabula
B.S. (John Carroll University)

John Joseph Hellmann, Cincinnati
B.S. (Xavier University)

William Henry Howard, Cincinnati
B.S. (California Institute of Technology)

Chester Leon Layne, Proctorville
B.S. (Marshall University)

James Lee Phillips, Fairborn
B.A. (Wittenberg University)

Certificate of Graduate Dental Hygienist

Ruth Elizabeth Dine, Canton
Gayle Thomas, Dayton

College of Education

Dean: Robert A. Burnham

Bachelor of Science in Education

Beverly Adele Aldridge, Sabina
Philip T. Anglim, Columbus
Karen Sicker Ansley, Columbus
Cathleen Marie Au, Mansfield
Judi Lynn Axelband, Beachwood
Richard Ray Bagley, Van Wert
Janell Joy Baker, Mt. Vernon
Julia Mary Baltes, Tiffin
Lisa Michelle Barnette, Columbus
Nancy Lynn Barr, Columbus
Joan Marie Bartholomew, Bay Village
Amy Cathleen Bauer, Canal Winchester
Stephen C. Benedict, Pataskala
Dawn Hardy Berbert, Columbus
Linda Marie McMillen Bevan, Columbus
Deborah Elizabeth Billy, Columbus
Victoria J. Bird, Mansfield
Beverly Sue Bondor, Youngstown
Shelley L. Borkoski, Columbus
Susan McCarthy Bowden, Cincinnati
Rick Keller Brady, Columbus
Lisa Carol Brenneman, Orrville
Pamela Jean Brewer, Bucyrus
Rickey Alan Burgess, Willoughby
Maureen Ann Burke, Columbus
Lisa Ann Carmean, Kenton
B.A. (Miami University)
Sara Anne Carruthers, Fairfield, Conn.
Terry Lee Cassidy, Cincinnati
Karen O. Cole, Ashland
Elizabeth Ann Conlon, Worthington
John Charles Cox, Kirkersville
Ruth Ann Cline Datz, Ashville
Craig Winston Deep, Worthington
Cynthia Lynn Dengler, Mogadore
Susan Marie Denner, Kettering
Darlene Marie White DePouw,
Canal Winchester
Rhonda Kaye Dickerson, Centerville
Debra Ann Dierksheide, Fremont
Philip Joseph DiSabato, Columbus
Cheryl Stickley Dixon, Lima
Nancy Beach Dowell, Marion
Kathy Lynn Downey, Columbus
Patsy Kay Doyle, Pataskala
Lucille Margaret Dragovich,
South Bend, Ind.
Brian Joseph Dunleavy, Columbus
Peggy Suzanne Dupler, Rockbridge
Janet Lee Ellis, Shelby
Jennifer Lee Faulkner, Urbana
Karey Lynn Fellows, Westerville
Janice Elaine Forry, Columbus
Loretta Gale Frazier, Centerburg
Gerald L. Gasper, Glens Falls, N. Y.
Barbara Annette Geist, Worthington
Nancy Susan George, Marysville
Robert Arthur Ghiloni, Newark
Richard Stephen Glesenkamp, Delaware
Victoria Elizabeth Gorsuch, Madison
Mildred Tsivitsze Green, Delaware
Thomas Russell Griffin, Mentor
Edward Louis Gyetvai, Jr., Delphos
Josette Elaine Hahn, Bucyrus
Patricia Ann Hamsher, Mt. Gilead

Diane Lynne Hawkins, Middletown
 Joyce Ann Healea, Upper Sandusky
 Lori Ann Heiser, Bexley
 Holly Jo Hensley, Dayton
 Stephen William Herbert, Delaware
 Robin Lynn Hocter, South Vienna
 Lena Elizabeth Holt, Mansfield
 Pamela Suzanne Hooper, Chillicothe
 LouAnn Hotchkiss, Columbus
 Melody Rose Houk, Mt. Gilead
 Jodi Kay Howland, Canton
 Leland Homer Hubbell, Columbus
 Douglas Murphy Hunt, Columbus
 Karen Lynn Hutcheson, Columbus
 Duane Robert Ireson, Grove City
 Elizabeth Ann Irvine, Schenectady, N. Y.
 Annette Kay Jackson, Columbus
 Martha Pedersen Jackson, Worthington
 Patricia Ellen Johns, Bellefontaine
 Barbara Jean Johnson, Zanesville
 Allison Michelle Jones, Lima
 Larry Lee Jones, Reynoldsburg
 Stacy Beth Kaplan, Cleveland Heights
 Elizabeth Ann Kennedy, South Vienna
 Margaret Jean Kenney, Burton
 Sheila Fox Kline, Mansfield
 Jill Ann Klotz, Port Clinton
 Alice Hart Krull, Mansfield
 Eunice Faye Legan Kunz, Columbus
 Gary Alfred LaBranche, Lorain
 Paul Edward LaRue, Lancaster
 Thomas Gregory Lees, Dayton
 Lori Jo Leonhard, St. Paris
 E. Ann Levine, Columbus
 Rebecca Ann Lindenschmidt, Cincinnati
 Cynthia Kay Loeffert, Marion
 Mary Walker Louis, Galion
 Arthur Charles Lunt, Columbus
 Kari Ann MacDonald, Huntsville
 Janice Lynn Marshall, Lima
 Carol Ann Martini, Lima
 Bradley Richard Mawhorr, Shelby
 Margaret Marian Maxwell, Smithfield
 Charles Michael McGee, Middletown
 Beth Ann McKee, Westfield Center
 Michael James Mendell, Columbus
 Krista Kay Keller Mercurio, Columbus
 Patricia Ann Miller, Marion
 Betty Gene Mohler, Napoleon
 Tina Marie Mollica, Niles
 Tracy Ashley Mollica, Worthington
 Michele Johnson Mowrey, Columbus
 Beth Marie Mumes, Willard
 Sharon Lynn O'Brien, Dayton
 Kathleen Ann Olivieri, Mansfield
 Charles William Owens, Columbus
 Sharon Owens, Columbus
 Judith Bakies Parent, Lima
 Leslie Sue Pfeiffer, Akron
 Leah Ann Polis, Worthington
 Brenda Christine Priest, Frazeeburg
 Robert P. Pritchard, Westerville
 Kim Michelle Ransome, Richwood
 Barbara Jean Rarey, Columbus
 Lawrence Edward Reams, Easley, S. C.
 Debora Joan Reed, Shadyside
 Susan Jane Reed, Columbus
 David Alexander Reichert, Amherst
 Rebecca C. Ries, Columbus
 Lisa Kay Roebuck, Lima
 Deborah Smilges Rudy, Columbus
 Mark George Ruple, Ashtabula
 Paul N. Ryder, Columbus
 Lorri Ellen Samberg, Cleveland Heights
 Marcie Gabrielle Seybert,
 Cleveland Heights
 Lori Lee Shaffer, Avon Lake

Tova Shapiro, Fort Worth, Tex.
 Carol Lynn Sheneman, Fresno
 Alexandra Shephard, Bay Village
 Heidi Evans Shipe, Worthington
 Connee Sue Shocksneider, North Canton
 Ellen Anita Sickman, Columbus
 Penelope Eileen Simmers, Newark
 Kristine Marie Simon, New Holland
 Tracy Skistimas, Sylvania
 Patricia Ann Skrobot, Reynoldsburg
 Susan L. Smith, Orlando, Fla.
 Lori Ann Stan, Columbus
 Phillip Kevin Stevens, Cortland
 Marvinn Ray Steyer, Delphos
 Diane Jeanne Stoker, Columbus
 Brenda Ruth Stover, Celina
 Jean E. Stuckert, Bucyrus
 Bridget A. Sutton, Galion
 Lynn Tarazewich, Dallas, Tex.
 Nancy Jane Vandayburg, North Canton
 Pamela Andrews Wallake, Rocky River
 Judith Rausch Warner, Findlay
 Michael George Watkins, Lima
 Sylvia Darlene Welker, Columbus
 Teresa Lynne Wharram, Austinburg
 Cathy Massie White, Washington C. H.
 Valerie Evelyn White, Bucyrus
 Carol Stephenson Wiggins, Bellville
 Deborah Jeanne Wilson, Columbus
 David Allan Wollenhaupt, Delphos
 Robert Alan Wood, Bellville
 Gary Edward Yunker, Columbus
 Richard Charles Zath, North Olmsted
 Hana Zimmerman, Columbus

**Bachelor of Art Education and
 Bachelor of Music Education
 degrees are offered jointly by the
 College of the Arts and the
 College of Education.**

Candidates are listed under
 College of the Arts.

College of Engineering

Dean: Donald D. Glower

**Bachelor of Science in
 Agricultural Engineering**

Michael Anthony Brusky, Avon Lake
 Gene Joseph Cardi, Fairview Park
 Frank Urban Yuhasz, Lorain

**Bachelor of Science in
 Ceramic Engineering**

Eugene Joseph Onesto, Columbus
 John Martin Price, III, Columbus
 James Anthony Wolford, East Sparta

Bachelor of Science in Chemical Engineering

Richard Alan Eichhorn, Columbus
 Alan Joseph Fletcher, Columbus
 Luong Thien Tran, Louisville, Ky.
 James Rick Vangeloff, Youngstown

Civil Engineer

Barry A. Cik, Cleveland Heights
 Farid Sadeghipour, Columbus

Bachelor of Science in Civil Engineering

Ayman Yousef Al-Barqawi, Jordan
 Mohammed Ahmed Binnahfooz,
 Saudi Arabia
 Rhoda Fun Lan Chu, Columbus
 Michael James Clancy, Upper Arlington
 Randall James Crowell, Wooster
 David William Farrell, Geneva
 Kathryn Adel Hamilton, Columbus
 Tony A. Hanna, Lebanon
 Leonard R. Linn, Westlake
 Thomas James Manahan, Jr., Toledo
 Mehdi Nilforoushan, Isfahan, Iran
 Gary Michael Nuss, Columbus
 Cheng Huat Ooi, Malaysia
 Kevin E. Putman, Payne
 Michael Walter Rehmet, New Knoxville
 Keith David Roberts, Ottawa
 Fouad Safeddine, Lebanon
 Jawad Siddiqi, Pakistan
 Edward Scott Sondles, Reynoldsburg
 David Douglass Stirrett, Harrison
 Philip Charles Sutton, Convoy

Bachelor of Science in Computer and Information Science

Thomas Stanton Carpenter, Columbus
 Kevin Bryan Copeland, Worthington
 Thomas Wayne Holbrook, Columbus
 Kevin L. Kanning, Columbus
 Ronald Pettersen Montgomery,
 Worthington
 Eric W. Osman, Columbus
 Michael Philip Stovsky, Columbus

Electrical Engineer

Akbar Hariri-Marand, Columbus
 Arthur Lee Haywood, Dayton

Bachelor of Science in Electrical Engineering

John Eugene Baranski, Cedar Knolls, N. J.
 Thomas Nelson Bishop, Zanesville
 Michael Bohus, Lansing
 Keith Robert Broerman, Cincinnati
 Michael Keith Burns, Findlay
 Anthony Everett Cea, Columbus
 Amy Lynn Cowan, Urbana
 Gary Michael Crawford, Vandalia
 Thomas Michael Damanti, Sandusky
 Felicia Faye Ferrighetto, Avon

Douglas Richard Harmer, Columbus
Jamal Jamali, Columbus
David A. Leonhardt, Worthington
Joe Neal Mellencamp, Seymour, Ind.
John Andrew Milford, Dallas, Tex.
Gregory Murden, St. Louis
David James Needham, West Chester
Keith Richard Phillips, Springfield
Todd Michael Quinn, Elyria
Raymond Craig Ramsey, Columbus
David Scott Roberts, Peoria
Rajinder Paul Singh, Reynoldsburg
Mary Louise Schopper, Columbus
Barry Lee Skaggs, Grove City
Gregory L. Stine, Englewood
Paul Franklin Swetnam, Columbus
David Richard Swinehart, Tallmadge
Margaret Christine Tauscher, Columbus
William Edward Thomas, II, Akron
Thanh Tien Vu, Columbus
Kenneth Jay Ward, Dayton
William James Williams, Plain City
Chiew Wai Wong, Singapore

Bachelor of Science in Engineering Physics

Jeffrey Lee Havens, Fremont
Michael Joseph Toll, Delaware

Industrial Engineer

Paul Leslie Beck, Perrysville
Miné Nimet Boskir, Orrville

Bachelor of Science in Industrial and Systems Engineering

Thomas Robert Anderson, Euclid
William Carroll Burkett, Columbus
Donald Jay Campbell, Dayton
Stephen Anthony Cotter,
Highland Beach, Fla.
Jeffrey Randall Denbow, Worthington
Cynthia Louise Hoop, Pittsburgh, Pa.
Jeffrey Alan Joachim, Reynoldsburg
Stephen Eugene Kaufmann, Reynoldsburg
Richard Mark Lauer, Columbus
Alan Robert Lipp, East Palestine
Jacob Thomas Martin, Tiffin
Niki J. Pissinou, Kzodhia, Cyprus
Jeanne Lynn Porter, East Liverpool
Kevin R. Rudduck, Columbus
John Sczesny, Fostoria
Randolph George Strang, Cincinnati
Kevin Scott Zellers, Pataskala

Bachelor of Science in Mechanical Engineering

Edward Michael Boardway, Granville
Donald Eugene Bowdle, Chillicothe
Larry Thomas Brehm, Aurora
Larry Walter Brim, Kenton
David C. Dick, Whitehouse
Markus T. Farrenkopf, Columbus
David Paul Foster, North Canton
Charles Eugene Frost, Lima
Gary Lee Gerdeman, Columbus Grove

Phillip James Gordon, Naples, Fla.
Ronald D. Houk, Columbus
John David Klopfer, Reynoldsburg
Robert Neil Kody, Columbus
Steven Douglas McMahon, Dresden
Gregg Richard Mewhinney, North Canton
Doliver Keith Napier, Shiloh
Long Trung Nguyen, Columbus
Jennifer Lynn Odor, Columbus
Dianne Marlene Parker, Kingsville
Mark Alan Rinckel, Memphis, Tenn.
Leon Charles Saul, Wauseon
Joseph Donald Seranton, Columbus
Paul David Smith, Columbus
Kurt Thomas Theiler, Toledo
Dennis Lee Tollett, Shadyside
Timothy Elmer Vorst, Columbus Grove
Bobby Lawrence Webb, Dayton
Donald Martin Weber, Parkersburg, W. Va.

Bachelor of Science in Metallurgical Engineering

Patrick Michael Mizik, Caldwell

Bachelor of Science in Mining Engineering

Mark Alan Dobson, Gallipolis

Bachelor of Science in Surveying

Richard Norman Boisseau, Columbus
David Denton Martin, Jr.,
Morristown, Tenn.

Bachelor of Science in Welding Engineering

Larry Don Henke, Columbus
James Brian Jackson, Columbus

School of Architecture

Bachelor of Science in Architecture

Gregory John Burke, Columbus
Kevin Garrett Leo, Bay Village
Robert Lawrence Manca, Columbus

Bachelor of Science in Landscape Architecture

Erik Leslie Hanson, Columbus

College of Law

Dean: James E. Meeks

Juris Doctor

Nancy J. Alecusan, Canton
B.A.

Carolyn N. Bell
B.A.

Thomas M. Crews, Bay Village
B.A. (Capital University)

Dennis G. Day, New Boston
B.A.

Cassandra Hicks, Walterboro, S. C.
A.B. (Johnson C. Smith University)

Timothy E. Jones, Albany, N. Y.
B.A. (University of Virginia)

Barbara J. Beacham, Tuscaloosa, Ala.
B.A. (Stillman College)

Stephanie Lin Mesner, Ashville
B.A. (Cedarville College)

Marilyn Leigh McConnell, Chagrin Falls
B.A. (Miami University)

Nina Marie Najjar, Westlake
B.A. (John Carroll University)

Israel Perez, Jr., Miami, Fla.
B.A. (Florida International University)

Deborah Ann Tabacco, Warren
B.A.

College of Medicine

Dean: Manuel Tzagournis, M.D.

Doctor of Medicine

Genie Marie Adams, Youngstown
B.S. (Youngstown State University)

Patricia Gensel Bucher, Massillon
B.S.

David Kinnaird Johnson, Cincinnati
B.A. (Miami University)

Douglas Alan Kuperman, Xenia
B.A. (University of North Carolina)

Paul Christopher Levy, Worthington
B.S.

Deborah Lyn Mencer, Clinton
B.S.

Charles Paul Prezzia, Wellsville
B.A. (Amherst College)

John Robert Shuptrine, Toledo
B.A. (University of New Hampshire);
M.S. (Georgetown University)
Ella L. Toombs, Columbus
B.S. (Chicago State University)

School of Allied Medical Professions

Bachelor of Science in Allied Health Professions

Nancy Marie Asimus, Cincinnati
Eleanore Jean Baer, Columbus
Yvonne Kampmeier Berecz, Marietta
Leslie Carol Bryant, Bridgewater, N. J.
Lynnette Jayne Burns, Hillsboro
Barbara Joyce Bush, Dayton
Cathleen Denise Campbell, Columbus
Paula Anne Clark, Upper Arlington
Cynthia Lee Culler, Mansfield
Tracey Marie Curry, Lima
Judith Lynn Custis, Sabina
Barbara Jane DeLong, Mansfield
Deborah Sue Ellis, Tiffin
Malinda Jane Feinauer, Columbus
Reba Jo Ferguson, Cincinnati
Cheryl Lee Fitch, Lisbon
Beth Mindy Fluhr, Greenlawn
Lori Beth Fogel, Kettering
Elizabeth Joan Friesen, Cincinnati
Barbara Susan Gentille, Crestline
Melanie Joy Greene, Akron
Lesia Marie Griffin, Coral Springs, Fla.
Sharon Ann Gross, Buffalo, N. Y.
Susan Elaine Grosse, Ravenna
Mary Patrice Guthrie, Lima
Julie Ann Hagen, Cincinnati
Susan Lynn Hall, Maple Heights
Lisa Anne Harper, North Canton
Bonnie Mae Higgins, South Euclid
Ann Horne Isaacs, Columbus
B.A. (Wake Forest University,
Winston-Salem, N. C.)
Constance LaVerne Johnson, Alliance
Jane Andrea Johnson, Rolling Meadows, Ill.
Molly Beth Jones, Powell
Adele Louise Keim, Canton
Suzanne Jude Kindig, Upper Arlington
Kathleen Ann Kirchner, Youngstown
Tracy Ann McCullough Kokiko, Galion
Langley Marie LaMarr, Columbus
Cecilia Diane Lehman, Xenia
Debra Joan Maag, Kalida
Mary Sara Masur, Cincinnati
Theresa Ann McCafferty, Lakewood
MaryBeth C. Merryman, Warren
Catherine Marsden Metzger,
Rochester, N. Y.
Barbara Teresa Meyers, Grafton
Debra Ann Monnin, Maple Heights
Michael William Pappas, St. Clairsville
Carolyn Sue Rehm, Orrville
Sylvia Kay Rex, Ada
Ann Michelle Rosenfeld, Seaford, N. Y.
Elizabeth Marshall Rummel, Columbus
Judy Liber Scheinbach, Toledo
Loretta Fratino Schoeppner, Columbus
Anne Marie Schreier, Johnstown
Eunice Marie Seemann, Whitehouse
Pamela Marie Seretny, Columbus
B.Art Ed., B.F.A.
Kristina Marie Shaw, Upper Sandusky
Margaret Alice Sidwell, Columbiana

Susan Lee Smith, Philadelphia, Pa.
Susan Marie Sombati, Akron
Nancy Joan Sommers, Colerain
Deborah Ellen Spencer,
Hendersonville, Tenn.
Jacqueline Kay Swagert, Massillon
Camille Tareshawty, Youngstown
Donna Jean Toncar, Maple Heights
Kimberly Ann Vasko, Akron
Beverly Jean Voss, Findlay
Vivian Renata Waldon, Atlanta, Ga.
Cheryl Ann Withrow, Middletown
Kimberly Anne Wood, Loveland

Certificate of Post Baccalaureate Medical Technologist

Dory Paul Levy, Dallas, Tex.
B.A. Music (University of Texas)

School of Nursing

Bachelor of Science in Nursing

Kathryn Louise Alben, Canton
Barbara Jean Anderson, Van Wert
Beth Barber Dougherty, Johnstown
Linda Sue Kovac, Rocky River
Pamela Ann Kuehner, Columbus
Marilyn Niehaus Macomber, Columbus
Mary Joy Marquard, Rocky River
J. Kim Martin, Mansfield
Rosemary Kiesel Mills, Tiffin
Edward Francis Mitzel, Youngstown
David Alan Narance, Marion
Lorrie Jean Oldham, Cleveland
Lisa Diann Ours, East Liverpool
Valencia Camille Proa, Cleveland
Pamela Sue Purcell, Highland
Marsha Lynn Shear, South Euclid
Bryenne Ann Stocker, Gnadenduhett

College of Pharmacy

Dean: Albert H. Soloway

Bachelor of Science in Pharmacy

David Lawrence Basinger, Cincinnati
David Richard Berger, Hannibal
Kimberly Louise Like, Lima
Marilyn Adelia Martin, Columbus
Dorah Bassey Ukim, Uyo, Nigeria
Jeannette Jarvis Webb, Columbus

College of Social Work

Dean: Robert O. Washington

Bachelor of Science in Social Welfare

James Francis Caruso,
Wappinger's Falls, N. Y.
Karen Fraser Ostrowski, Boardman
Colleen Ann Gannon, Medina

Graduates with Honors

Criteria for graduation with honors are as follows:

With Distinction requires successful completion of a Senior Honors Thesis, oral examination, and graduation in the top 25% of the class.

With Honors in the Liberal Arts requires successful completion of the Arts and Sciences Honors Contract and graduation in the top 25% of the class.

Cum Laude designates those graduating in the top 10% of the class (top 6% in the Colleges of the Arts and Sciences).

Summa Cum Laude designates those graduating in the top 3% of the class (top 1.5% in the Colleges of the Arts and Sciences).

With Distinction in Occupational Therapy
Eunice Marie Seemann

With Distinction in Parks and Recreation Administration
Debra Lynn Griest

With Honors in Liberal Arts
Katherine Elizabeth Body
Sandra Huggler
Rebecca Motil McCormish
Robin Rebecca Rader

Cum Laude

Philip T. Anglim
Kimberly Jo Barnhart
Nancy Lynn Barr
Ann Margaret Beaudoin
Linda Marie McMillen Bevan
Patricia Gensel Bucher
Karen Ann Cairo
Robert Paul Carlisle
Barbara Helene Carlson
Cynthia L. Carpenter
Kimberly Sue Cline
John Michael Doyle
Dixie Anne Depew

Darlene Marie White DePouw
 Mary Lisa Edwards
 Mark Alexander Elam
 Janet Lee Ellis
 Reba Jo Ferguson
 Carl Edward Franklin
 Dana Richard Gibbs
 Kathryn Adel Hamilton
 Patricia Ellen Johns
 Allison Michelle Jones
 James Philip Jones, Jr.
 Molly Beth Jones
 MaryAnn Keffler
 Beverly Byers Kelly
 Pat Richard King
 Rodney Alan King
 Susan Marlene Kinsley
 Sheila Fox Kline
 Janice R. Lanier
 David Marshall LaRue
 Elizabeth Ann Law
 Thomas S. Leggett
 Donald Bauer Lewis
 Mary Walker Louis
 Sally Wood McCarley
 Kevin Kelly McGuinn
 Alane Sue Megna
 Patricia Ann Miller
 Valerie G. Miller
 Edward Francis Mitzel
 Rebekah Sue Packard
 Judith Bakies Parent
 Jeff Allen Powell
 Monica Gabriel Powell
 John Clayton Powell
 David A. Sands
 Loretta Fratino Schoepfner
 Larry Schofield
 Kristina Marie Shaw
 Alice Sidwell
 Kristine Marie Simon
 Brad Steven Staats
 Pamela Andrews Wallake
 Jean Kennedy Warner
 Sherry Joyce Wells

**Cum Laude with Distinction in
 Agricultural Economics**
 Nancy Lida Nower
 Mark Harold Sanborn

**Cum Laude with Distinction in
 Environmental Interpretation**
 Louis Robert Dispenza

Cum Laude with Distinction in Horticulture
 Lori Ann Cunningham

Cum Laude with Distinction in Nutrition
 Jerald Howard Simmons

**Cum Laude with Distinction in Economics
 and with Honors in the Liberal Arts**
 James Paul Monast

Cum Laude with Honors in the Liberal Arts
 Daniel Lewis Barber
 Connie Jane Campbell

**Cum Laude with Distinction in Physics
 and with Honors in the Liberal Arts**
 Philip Keller

**Cum Laude with Distinction in Biophysics
 and with Honors in the Liberal Arts**
 Shawn C. Berry

Summa Cum Laude

Lisa Michelle Barnette
 Kathy Crawford Blackstone
 James Robert Boughner
 Keith Robert Broerman
 Anthony Edwin Goldberg-Rugalev
 Jeffrey Lee Havens
 Lou Ann Hotchkiss
 Leland Homer Hubbell
 Rita M. Killigrew
 Kim Marleen Kossmann
 Alice Hart Krull
 Elizabeth Louise Lynch
 Peter John May
 Debora Joan Reed
 Robert Neil Stambaugh
 Joseph Wayne Thompson
 Gary Matthew Westfall

**Summa Cum Laude with Distinction in
 Environmental Communications**
 Bonnie Dorsey Reilly

**Summa Cum Laude with Distinction in
 Environmental Interpretation**
 Tracy Ann Rice

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THE OHIO STATE UNIVERSITY
OFFICIAL PROCEEDINGS OF THE
ONE THOUSAND ONE HUNDRED AND SEVENTY-FIFTH MEETING
OF THE BOARD OF TRUSTEES

Columbus, Ohio, December 10, 1981

The Board of Trustees met at its regular monthly meeting on Thursday, December 10, 1981, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, pursuant to adjournment.

Present: Chester Devenow, Chairman, Warren J Smith, John D. Jacob, D. James Hilliker, John F. Havens, Leonard J. Immke, and John W. Berry.

* * *

Minutes of the last meeting were approved.

* * *

December 10, 1981 meeting, Board of Trustees

The Chairman, Mr. Devenow, called the meeting of the Board of Trustees to order at 11:45 a.m. He requested the Secretary to call the roll. The meeting recessed into Executive Session for the purpose of considering legal issues and personnel-related matters.

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

--o--

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

President Jennings:

Mr. Chairman, we've got a variety of presentations. I would like first to recognize Mike Gerald's presence, Chairman of the Faculty Council. Mike, have you got any comments for us?

**COMMENTS - MICHAEL C. GERALD
CHAIRMAN, FACULTY COUNCIL**

Professor Gerald:

I'm glad you asked that question, Mr. President. On behalf of the University faculty, I wish to extend my thanks to the members of the Board of Trustees, the President and the staff, the Provost, our vice presidents and our deans for their individual and collective efforts in securing for the faculty an equitable salary increase in these very difficult times.

In another matter--in response to the charges by the President, the Provost, and the University Senate Steering Committee, the faculty is making steady progress in its efforts to formulate rules for the termination of tenured faculty. The rules we seek to develop must safeguard both the tenure system and the individual faculty member while permitting the University to respond appropriately to financial exigencies or academic considerations.

Just an aside if I might. I'm fortunate in having probably one of the best secretaries on this campus--I will not tell you her name; I don't want her taken away from us. But as good a secretary as she is and an outstanding typist as she is, when she was typing the rules committee for me, she instead typed 'fules' committee, and I'm not sure she is trying to tell us something here.

The report of the Ad Hoc Faculty Committee on the Release of Tenured Faculty--chaired by Professor James Garland of the Department of Physics--has been released, and through the kind offices of Provost Reynolds, copies have been distributed very promptly to all University faculty for their scholarly analysis.

The Senate Steering Committee has created and charged a Select Faculty Rules Committee--chaired by Professor Glen Schmidt of Dairy Science--with the responsibility of transforming the Garland report into rules. To achieve this end, Faculty

December 10, 1981 meeting, Board of Trustees

**COMMENTS - MICHAEL C. GERALD
CHAIRMAN, FACULTY COUNCIL (contd)**

Professor Gerald: (contd)

Council--in cooperation with this Select Rules Committee--will be conducting an open faculty hearing on the 21st of January--and what they will attempt to do is to receive positive and negative comments on this report from Senate committees and other University committees, as well as from individual faculty members. We hope to take this information on the 21st of January and use it for the incorporation of rules. We are responsive to the need for us to move expeditiously in this rule formulation process and we are endeavoring to do so.

With your kind indulgence, I hope to keep the Board apprised of our progress in this regard. I would like to share Dean Kottman's wishes for a pleasant holiday season and a happy new year. Thank you.

President Jennings:

Thank you, Mike, I think it very important to note that the faculty is getting deeply involved in this issue, and I look forward to their development of this. I think we should all be encouraged as the faculty has taken a bit by the horns here and are going to establish, I believe, a very substantial policy to maintain academic freedom in this institution, and it should be a faculty discussion in great depth on this. And I'm sure that we're going to be able to get a policy that this institution will be much better off with in the unlikely event that we should have financial exigency, but we at all times have to be prepared for that potential eventuality.

Mr. Chairman, I would like at this time to call on Provost Reynolds, who will introduce our Chuck Csuri to give you a presentation on what we're doing at Ohio State in computer graphics.

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INTRODUCTION OF CHARLES CSURI

Provost Reynolds:

Thank you very much, President Jennings. Charles Csuri was an All American football player, a tag which will follow him all his life, and unlike most of us, he weighed more in college than he does now and was chosen by his teammates as the most valuable player on Ohio State's first national championship team in 1942. He is professor of art education and computer and information science, and, rather unbelievably to all of us, he's been on our faculty for 35 years. His work has been supported by the National Science Foundation for the past twelve years. He has also received grants from the Air Force Office for Scientific Research, the Ohio Arts Council, the Bureau for the Education of the Handicapped, the Department of the Navy, and subcontracts from HEW and DARPA projects. His total research support approximates \$2,225,000 for these various projects over these last years. He is also a first-rate artist.

December 10, 1981 meeting, Board of Trustees

INTRODUCTION OF CHARLES CSURI (contd)

Provost Reynolds: (contd)

Professor Csuri is known for his pioneering efforts in computer art, and his computer animation won a major prize at the Fourth International Experimental Film Festival in Brussels, Belgium. He has an animated film in the collection of the Museum of Modern Art and other computer works in the Institute for Contemporary Art in London, England. He has been on the editorial board of several major journals in this field, including the *Journal of Computer Graphics and Image Processing*, *Computer Studies in the Humanities and Verbal Behavior*. In 1974, he was one of fifteen Americans invited to present at the International Federation of Information Processing Societies in Stockholm, Sweden. He has also served as a consultant for Boeing Computer Services and the Boeing Aerospace Company, and these are just a few of his selected activities.

Professor Csuri's computer graphics have been shown on prime television time in Japan. In this country, his work has appeared twice on the Today Show, NBC News, ABC News, and PM Magazine. Next Spring, segments of his work will be aired on Walter Cronkite's CBS Universe, and on a Walt Disney special on science fiction.

I very much am pleased that Professor Csuri could present to you this day some of his work and its applicability to all of the missions of this University--teaching, research, and service. And I hope if we can have adequate time for it during the winter and spring months, we will endeavor to bring to the Board other ways in which the University is reaching out on the edge of technology in fulfilling its mission. Professor Csuri.

COMPUTER GRAPHICS PRESENTATION BY CHARLES CSURI

Professor Csuri:

Thank you very much, Ann. I feel compelled to say there's life after football. What I would like to do is show you a relatively short video tape that would provide you with examples of the application of this technology to art, medicine, science, and to some extent to business. And perhaps what we should do is look at the video tape first, and then I would like to make a few comments about it. I will also narrate the tape. I guess I had better start it.

Now the work comes really from several different universities. This work was done at Ohio State, and you would have to realize that this picture has never existed as an object. It was generated mathematically. We simulated a lens on the right hand side and computer programs had to be written to calculate light source, perspective, reflection, and all of the cues that one would associate with the so-called real world object. This animation is going to be included in the Walt Disney special next spring. It is very exciting to see a bright, young graduate student put something like this together. And I think the pictures and the animation compares very favorably with anything that's been done in the field of computer graphics in this country and perhaps in the world.

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COMPUTER GRAPHICS PRESENTATION BY CHARLES CSURI (contd)

Professor Csuri: (contd)

One of the applications is to the field of architecture. The data was generated at Cornell, and they were showing a board of trustees how you could position a building before it was actually constructed, and by taking the architect's drawings you could do a simulation of the building, move it around campus, through buildings for that matter so we don't have any physics involved here, and to get some feeling for the orientation of the building relative to the rest of the campus. And one, of course, if you have the data, you can also show the interior structure of the building before it is actually built--which has a lot of potential for complex urban development projects.

We did this at Ohio State. This is a city that we simulated. We wrote programs to grow buildings rather than read coordinates, and within a week we were able to put together a data base of about two thousand buildings. And here we are going at a fairly fast rate of speed through the environment before it is built. This also has great possibilities for urban planners. This is also done at Ohio State by my associate Frank Crow, and it's simply a demonstration program showing our capabilities to make pictures to control visual information.

The first segment was done at the University of California, San Diego. It's a simulation of the human brain where they took a brain and made slices through it, and picked off coordinates off each of the slices, entered that into the computer, and then this gave the researcher or possibly the physician to look at neurophysiology. The film is much longer, but this is just the introductory part of it.

We did a simulation at Ohio State of a beating heart. It's not real data, but we were interested in motion control, and we took slices and put this together. One could take a computerized tomography, the X-ray scanning, and do that kind of thing.

The following material has been done at Ohio State. Out of Professor Robert McGee's project, we did this computer animation for him. The mathematics were built into the robot. It's a zero gravity vehicle. I find it absolutely fascinating the way that it moves. It's like a creature. And this is a robot arm. Again, somebody had to figure out the physics, and they gave us the control points. We, of course, with our software were able to display this thing.

At Ohio State, one of our graduate students is working on this dissertation work. The skeleton is being controlled by subroutines. He wrote a program where he had to build into it the control of the hips, the legs, the arms, and somehow figure out how to coordinate that.

Again, another item that we did at the University for the military illustrating how we can create very complex data and doing a simulation. Obviously, the Army is very interested in stuff like that.

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COMPUTER GRAPHICS PRESENTATION BY CHARLES CSURI (contd)

Professor Csuri: (contd)

Flight simulation--we've been fortunate to have quite a bit of support here. The computer is updating a graphic display screen at 30 frames per second, so that it looks like it is a real scene and gives you all the visual cues as if you are in that environment--an extremely valuable tool to teach pilots about flight maneuvering.

And this is a simulation of non-real time. We calculate the pictures. Our task was to be able to come up with techniques to make mountains and trees and roadways, and then we simulate a takeoff. And since we are not really pilots, we want to make sure we can get off the ground, and we take off in a hurry. Again, this is our work of a flight simulator and every amateur pilot wants to fly under a bridge and that's what we did.

This is done by a fellow who is now working for George Lucas of Star Wars fame. This is a computer simulation. These mountains never existed and it is just amazing how people are now able to simulate so-called reality.

We don't have a great deal on education. That was work done at Ohio State by Professor Thomas Linehan.

The following is work from Lawrence Livermore and is a nice example, I think, of how the scientist can use computer graphics to validate or verify their model. And computers are so great at turning out numbers, but it becomes quite another matter to try to understand what those numbers mean. And so for the research scientist, it is extremely valuable to get a graphical display, and even better, to get time-dependent phenomenon illustrated, and by looking at this, obviously, he is knowledgeable about the behavior of these models. He can get a good idea of how his statistics or his data is working.

Work done at Ohio State on astronomy, interacting galaxies where the physics were built into the model. You had to worry about gravity and mass, and I find this absolutely fascinating in the way it makes this spiral galaxy. And, of course, they validate the data by comparing it to so-called real photographs of the universe.

Again, the Department of Geography and Harold Moellering's work in cartography--showing through graphically an innovation--the dispersion of the tractors through the United States--that's the center section of the United States.

I think it is this kind of material that gives people a much better conceptual grasp of what the data is doing. I look at this and I still cannot believe that this never existed as a physical object--it's completely a computer simulation done at Lawrence Livermore Laboratories--it's dealing with molecular structure. And with computer technology, you can also slow time down so to speak and be able to study the phenomenon. This is a marvelous research and teaching tool.

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COMPUTER GRAPHICS PRESENTATION BY CHARLES CSURI (contd)

Professor Csuri: (contd)

This is a little more complicated to explain, but I will try. A system at MIT that shows the use of computer graphics technology in an application to a complex data base. The picture on the screen represents items in the data base, which happens to be the MIT campus, and it was organized hierarchically, and the user moves through the environment by controlling a cursor, that little block that is moving around the screen, and then they can enter a part of the data base. They went into the Administration Building and then with the cursor they can indicate what person they want to know about. In this instance, it was the President of the University. And then tagged on the data base automatically is a sound track. Now he is going deeper into the space, getting additional information. The sound and pictures again are arranged hierarchically. When you hit a node, then it invokes that particular picture of that sound track. Now he is coming back out of the space, computers keeping track of their location in space. And I think it is a rather revolutionary way of looking at information, and really what we are talking about is how we organize the information, and how we access it. Instead of going through all kinds of manuals, you can store this information on video discs. And now I want a factual profile of MIT, and we go into that item, and it gives me some information about the degrees, the degree programs, and possibly the cost at MIT and so forth.

We made this for the University. You may have seen it on regional television; once in a while on national TV. We received the contract through the Research Foundation and did this for Channel 10. It was on TV all of last year. Again, because we represent things as a three-dimensional structure, we can change the viewpoint very arbitrarily and move about it as if it were a real physical object. The software for this was developed by Professor Frank Crow in our computer science department, who is my associate director, calculating the highlights and the transparency, figuring out the mathematics to do that. We developed the system here at Ohio State that made this possible and the programming was used to produce this animation sequence in Star Wars. This was done under a National Science Foundation project. That is the basic system that made this possible. And what we are talking about is the animation that appears in the distance in the scene--the linear graphics.

And this is more recent work here at the University simulating a space station from the imagination, landed, and now we need to go inside and explore it. And one of my graduate students put the data together and did the animation. A simulation of the galaxy that we did. Again, this is an example of the kind of control we have--we can make those spheres go in any kind of a direction, bringing together to form a structure, and going inside of the structure.

I think that is the end of the video tape. I think I would just like to make a few comments. I think what we're looking at really is a new and very powerful communication tool. It can be used for science, for education, for art and entertainment; it can be used for medicine. And I think one of the things that very few

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COMPUTER GRAPHICS PRESENTATION BY CHARLES CSURI (contd)

Professor Csuri: (contd)

people realize is that the field of computer graphics today is a \$2.3 billion industry. We're talking about hardware and software. By the middle of this decade, projections are that it will be a \$7.5 billion industry--just in four years. It is absolutely phenomenal in terms of how this technology will be used, I think, in almost every aspect of society. And my own bias is that I think that we have a tremendous resource here at the University in our computer graphics research group. I think the software we have developed represents years and millions of dollars in research and development.

And, I think that the greatest thing that the University has going for it are its graduate students, and it is really the bright, young graduate students that make this kind of thing possible. And it has really been very exciting for me to be involved in working with young people.

This is obviously a high technology area, and I think it has tremendous implications for business and the economy of Ohio. For example, I think that we have a great deal of knowledge and a great deal of information, but we don't have the mechanism with a structure really to deal with the kinds of requests we are getting from the business community. For instance--just basic information about computer graphics--there are people who would like to have workshops and even some companies are willing to subsidize internships involved in university programs, but we don't know how to do it. We don't have that set up. We could be involved in the licensing of software. We get requests all the time for the software, but we don't know how to address questions like that. I don't have the time; I mean, it's hard enough for me to keep track of my purchase orders, you know, let alone these other things.

I think the potential of the technology is so great and with the projections about its growth that I personally have cut back to 50 per cent time in the University and 50 per cent of my time I have devoted to establishing a Computer Graphics Company here in Columbus, Ohio.

I think that the technology has great implications for academic programs. There are many faculty and graduate students who would like to take courses, who would like to have access to software that they can use in their programs. The College of Education, for example, would like to use this for teaching youngsters concepts in math and science. A professor in astronomy would like to have our display algorithm so that he can display the results of his experiment, but so far we haven't figured out how to coordinate some of that stuff and to really provide this technology to even our own faculty. It's a bit of a problem.

And, I think that--I gave a talk for a Battelle Endowment Lecture series. I was really very surprised at the number of people who showed up at that lecture. I guess we had about a thousand people, and my phone has been ringing off the

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COMPUTER GRAPHICS PRESENTATION BY CHARLES CSURI (contd)

Professor Csuri: (contd)

wall; students wanting to take courses, wanting information, and I can't handle it. I'm inclined to believe that by the end of this decade, depending on the kinds of decisions this University makes, we could have three hundred majors in computer animation, fifty graduate students involved in that kind of thing not to mention how the computer science program could go. My feeling is that we have tremendous momentum in this area at the present time. We have the projects and talent in position to advance the state of the art further. This is where we are today. I think in five years, we may look back at such and say, 'That was the stone age. This was very primitive.' Technology has a way of really moving very rapidly. In fact, that's one of our problems that it moves so fast that, as a very complex institution, we have difficulty in knowing how to respond to that kind of thing. It's not just Ohio State, but I think it's institutions in general. Well, perhaps some of you have a couple of questions or comments.

Provost Reynolds:

I would just like to say very quickly, 'Thank you, you who have advanced the technologies so rapidly, and you do pose a challenge for us at the University to catch up in our ways of enabling students to have access to this and enabling you to flourish with this rapidly moving field and in making sure that we continue to be at this forefront.'

President Jennings:

This is absolutely incredible! It does demonstrate really what a university, I think, is all about as we heard from Roy a few minutes ago about a research project on cattle, and now we have in a wholly different field another presentation on the state of the art in computer graphics. Any one of these particular areas could revolutionize a particular industry in how we go about that. We've been thinking about building buildings at this University now with the legislative appropriation, it's just fascinating to see the architectural work of moving that about.

We're going to have later on today some preliminary looks at placement of a building on this very campus which will be undoubtedly complex and to have that type of thing. I really think what Chuck is also emphasizing is not only the transfer of that, but the enormous rapidly moving dynamics of whether it's this field or any other field in the institution. How, indeed, whether it's five years or ten years, it's still going to be a very short period of time or even when it's fifteen years, Chuck, I think we can virtually guarantee that this will be stone age stuff in a very short period of time. Even if it were fifteen years from now, Chuck, our freshmen at this institution are only going to be about thirty-five years old when that occurs.

Ann introduced you as playing football. When you were playing football, this was science fiction and radical science fiction, and it'll happen again. It'll happen again and again. When you did the flight simulation, I saw Dick over there. That's

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COMPUTER GRAPHICS PRESENTATION BY CHARLES CSURI (contd)

President Jennings: (contd)

going to totally revolutionize your program--your flight training program. It probably already is in the process of that. Just absolutely incredible! And that's really what our joint mission of the creation of knowledge and the dissemination of knowledge is really all about. I just really liked this outstanding presentation and hope that we can, as an institution--hope that we are up to the challenge to keep the momentum going here in this.

Professor Csuri:

Well, thank you. I'd just like to thank the Trustees and President Jennings and Provost Reynolds for this opportunity. Thank you very much.

Mr. Smith:

You say it's a quickly advancing technology, and I just wondered how you keep up in your research equipment?

Professor Csuri:

Well, we have been very fortunate at this institution that a number of years ago the administration recognized that we had potential and provided us with some special computer facilities. Now that was a great beginning. Now, what we have been, in my group, able to do, we have been able to acquire more equipment through federal grants. That's becoming increasingly difficult, but we've been able to buy peripherals, more memory, more processors of one kind or another, and we have a Navy project right now where we are designing some computers that will probably be temporarily state of the art, okay. So we're very fortunate in that we have a good track record, and we've been able to acquire a lot of federal funding, and we have the tools and the opportunity to do it. It is not easy. I think for the young faculty member on this campus, it's incredibly difficult to get research support. I'm an old war horse. I'm part of the woodwork, and I've been here a long time and people sort of know me in federal agencies so I have an easier time of it. I'd hate to be a young professor, an assistant professor, trying to find money for memory or for computer. It's not easy. It's really hard.

President Jennings:

The answer is we don't keep up with the state of the art equipment. We're seeing a \$2 million allocation for equipment. Our estimates are that we need \$50 million just to catch us up to the state of the art equipment, and then a recurring budget item in today's dollars of \$12 to \$15 million annually that we are short. The answer is, Chuck is, but the basic answer is, institutionally we don't keep up with the equipment.

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Dr. Jacob:

It looks to me like this is sort of the tip of the iceberg--maybe the dawning of the age. I think that's even an outdated saying, but I think I hear some questions and concerns being raised about, you know, we happen to be in the forefront through a combination of good fortune and good people, but are we going to be able to keep doing this. And maybe, Chet, going back to what you were saying at lunch, maybe there's something that we should do from an organizational or management point. We can't just stand back and throw money at it.

Professor Csuri:

Well, I would like, perhaps, to say the obvious. I'm sure you gentlemen already know it. I think those of us that are involved with high technology, whether it be genetics or computer technology or a number of other things, and because of the growth of these areas, the commercial potential, there are really some very powerful forces pulling at us trying to pull us out of the University. It's a tremendous source of conflict, I think, particularly for someone like myself who's been in the institution for 35 years, and there's a lot of emotional attachment and a lot of service, and you don't want to give that up, but these forces are getting tougher and tougher, and it's going to be particularly difficult for a young faculty member to resist that.

Dr. Jacob:

Well, getting back to lunch again, are there maybe some heretofore untried ways of organizing or working with industry rather than just letting them pick off our good people or our good programs?

Provost Reynolds:

May I just respond on that quickly, and thank you for asking that question. It's a question I had hoped would be asked about this because we just happen--Professor Csuri is one individual; we have others in the College of Engineering, others in the College of Biological Sciences, and we have to figure out some ways to work cooperatively with our industrial colleagues in finding ways to support them. Now, Dr. Csuri is too nice to tell us in this setting; he mentions his equipment has been very good, but do you have one computer sitting on a computer floor? I don't think so. Do you have any computer floor you're working on?

Professor Csuri:

No, we don't have a raised floor. We have wires hanging from the ceiling. It's an embarrassment for me to bring in our Japanese friends to come in and look at the Computer Graphics Research Group. We have all this PR to come in and see the environment, and it's a little embarrassing.

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COMPUTER GRAPHICS PRESENTATION BY CHARLES CSURI (contd)

Provost Reynolds:

But we are trying to begin to explore some ways of working with industry so that we can have some joint arrangements. It means a lot of things, and a lot of these things will have to be worked out with the Trustees, particularly in patent agreements and all kinds of things.

Dr. Jacob:

Well, just to wrap up, I guess, in the future, can research and service be expanded or redefined to maybe have a little more close working relationship with some of the other sources of financial support or equipment support or people support?

President Jennings:

I don't think there's any question. First of all, I've been very encouraged, particularly in the last few weeks of what the Governor recently did of bringing educators and industrial people together to--initially, the long-term objective is to get the relationship developed much more closely. The initial objective is to find out what we're doing now, whether it's Chuck or anybody else, and find out how to communicate that.

We've also, on campus, asked our Research Committee of the Graduate Council to address this very question of how we do that. I think financially that is tied up closely with the types of financial recommendations you're going to be receiving in the way of salaries and equipment when this budget item comes up, and I think we have to be doing all we can to bring these things together. And you really are seeing, John, you're dead right, the tip of the iceberg on this and particularly in the equipment and space area because it is not a matter of just catching up. We could catch up today. I could present, if we had the money, Ann, with \$50 million and she'd be out of date a year from now again or our faculty would. It's not a matter of just catching up. It's a matter of catching up and staying up. And the potential is enormous there. Much of this work now is interdisciplinary. It is not just computer scientists working on this. It is anywhere--from computer scientists to medical people, to sociologists to ag people--bringing those folks together is our great challenge in the future to not have any of these people work in isolation. That's an organizational issue as well. I can imagine you sitting there as an orthodontist having gone through this thing. There is a direct application of what will happen if on the computer graphics, but there is where you get a dental research person together and/or computer graphics--the interdisciplinary research, and we frankly are not organized in our institution or any institution to accommodate to that.

Dr. Jacob: Where do we go from here?

President Jennings:

We keep at it. That's right. You are bringing up something--we don't have good answers at this stage. Some of it takes money and some of it takes a change in

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COMPUTER GRAPHICS PRESENTATION BY CHARLES CSURI (contd)

President Jennings: (contd)

philosophy and a whole change in attitude. It takes organizational structure, it takes attitude, it takes communication with industry. I don't think there is a simple, straightforward way to get at this. I think we get at this on all fronts. Money is a very limiting factor right now in a major way and we need to--

Mr. Devenow:

I would like to say, John, that I think one of the deficiencies in our country is--I think the word communication would be a tough word to use here--but it might not have the proper connotation but the relationship with a liaison between industry and the University is to develop a joint program in these areas and one of the problems is that other countries are doing it. Japan is doing it very rapidly; Russia is certainly doing it. We have got some kind of a failure here of connecting in that area. I would like to ask Dr. Csuri one question if I may. This must have tremendous military application. I would say--

Professor Csuri:

There is no question about it. In the flight simulator, for example, we have a contract now--it's about a \$260,000 project to show feasibility of an idea that we have about a flight simulator. If we are correct, and we are inclined to believe we are, eighteen months from now we could be talking to the Navy about a \$4 million dollar contract involving building a real time flight simulator. Okay. I don't know that we will get it. I am just saying that's one aspect. Now in terms of training devices, you could use this technology and store it on video discs--video discs being a medium where you can store 54,000 pictures and with a micro-computer you can have random access to it, and you can simulate war games or you can simulate how to repair a carburetor in a vehicle, let's say.

Mr. Devenow:

That's what I am getting at. There's a program that the government is involved in which will replace the Jeep. It's a new type of vehicle and it has to be able to operate under desert conditions, for example, because if there is a possible outbreak of war in the Middle East we will probably be in the middle of that. But it has to have other qualities. And by the time the bugs are worked out of this vehicle which is being bid on by three or four companies in the United States--by the time the bugs are worked out of this thing (by the way, it is an all-aluminum vehicle at this point) there will be millions and millions of dollars spent correcting mistakes, but look what a jump you could get on this kind of thing.

Professor Csuri:

I think that in the automotive industry with finite element analysis, where you--let's say put stress on a structure and through computer graphics display, it shows you in three dimensions--the stress points.

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COMPUTER GRAPHICS PRESENTATION BY CHARLES CSURI (contd)

Mr. Devenow: Right.

Professor Csuri:

It will make it red. It will tell you what point it will break so you can do a lot of nondestructive testing before you go to the trouble of making a physical prototype. Ultimately, you have to make the prototype, but at least you eliminate a lot of bad decisions.

Mr. Devenow:

Well, I'm delighted with the work you are doing. As one individual trustee, and we have got a chance to be leaders here, and I hope that what you are saying, John, and I hope that we can follow through or put the pieces together to do it. It is a question of money again.

Dr. Jacob:

But I would hate to see organization and traditional structure stand in our way if there is a way that we can--we have got all the management expertise that you could ever need if you could turn them loose and say 'solve this problem on an organizational basis.'

Mr. Devenow: Thank you. It has been very interesting. Thank you for coming.

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REPORT - COMMISSION ON STUDENT ATTRITION AND RETENTION

President Jennings:

Mr. Chairman, I also--now we move from an aspect of our institution from the creation of knowledge that we have just had a fine report, and now I would like to go into the second major function of this institution--the dissemination of knowledge to our students, and I would like to turn the meeting over to Provost Reynolds to introduce Professor Rosbottom who will talk to us about student attrition.

Provost Reynolds:

Over a year ago, I along with Vice President Kathryn Schoen had become very concerned about our perception that we had an untoward amount of attrition amongst first year freshmen and we felt that this issue was a serious one and we didn't have enough data about it to know the framework in which we were working, and we felt that we needed faculty insights and recommendations on this very, very important issue. To address this we appointed a Commission on Attrition and Retention, and we asked Professor Rosbottom, Professor of Romance Languages, to chair the Commission. Our original intention was that they would finish their report within the academic year. As any good faculty body will, they brought in their charge, their data, and came in with what I consider a very honest masterpiece. And Dr. Rosbottom is here today along with Mr. Michael Young from the Office of Finance and Planning to tell you about the final recommendations and the routes and paths the faculty group chose to take and what they now place before the administration and very appropriately put back into our purview for action. Professor Rosbottom and Mr. Young.

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**COMMISSION ON STUDENT ATTRITION AND RETENTION
BY PROFESSOR RONALD ROSBOTTOM**

Professor Rosbottom:

I can't tell you how much I appreciate following this act. I would like to begin by introducing my colleagues who are here--all of whom were on the Commission but only some of whom are here. David Boyne, who is in the Department of Agricultural Economics; Jerry Reagan in the Department of Educational Foundations and Research; Jim Garland who came out of hiding to appear today--he is in the Department of Physics; Erika Bourguignon, Department of Anthropology; and John Hirth who is not here is in the Department of Metallurgical Engineering; also I would like to introduce John Savage who was our Graduate Administrative Associate, and who did most of the work of the Commission. The person who did the second most amount of work was Mike Young who is Director of the Office of Planning Studies.

Ann has told you that we were asked to discover if OSU had an attrition problem and if so to define it and to recommend strategies for remedying any perceived problem. I take it you have received copies of this report--gentlemen, I refer you to pages 8 and 9 which set up our charge to discover the attrition rate of baccalaureate students at The Ohio State University and to determine whether that rate is acceptable and then to discover and evaluate those aspects of the University environment--academic and non-academic--that are perceived to have a negative impact on Ohio State students. Most likely I think the establishment of this Commission was motivated by a desire to maintain the FTE at roughly comparable levels despite the indicated decrease in prospective students over the next twenty years. But as Provost Reynolds has said, this was a faculty commission--as such, a unique commission--to be asked to study such a problem as attrition and retention, and as a result we concentrated on educational quality rather than primarily on enrollment levels in a purely fiscal sense.

Do we have an attrition problem at Ohio State? The answer is 'Yes.' Fifty per cent of all entering new freshmen will not graduate from this institution. They may graduate from other institutions or they may never receive a baccalaureate degree.

I would like to draw your attention to the otherwise excellent coverage we got in the *Lantern*, including a very favorable editorial. This coverage, however, had an unfortunate factual error. And that error was, in fact, one which stated that 50 per cent of all freshmen leave in their first year. That is incorrect. It is 50 per cent of all students who enter will leave before they get a degree; 50 per cent of that attrition will occur in the first year. In other words, roughly 25 per cent of all entering freshmen will not enter their sophomore year.

Once we discovered we had that attrition rate we had to define what the problem was. That is, what is an attrition problem? Were we measuring success only by a somewhat measurable criterion; that is, receipt of a degree. It is the only criterion we had available. Where does expected and normal attrition stop and so-called

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**COMMISSION ON STUDENT ATTRITION AND RETENTION
BY PROFESSOR RONALD ROSBOTTOM (contd)**

Professor Rosbottom: (contd)

problematic attrition begin? If you will turn to page 13 you will see that we list about four different types of attrition that we try to address and try to distinguish between or among. Also we had to ask ourselves, 'How do we compare nationally and regionally with other similar universities?' Finally, the Commission recognized that attrition at OSU is in lieu, perhaps, of selective admissions; that is, that we select, in a way, students, or they self-select in that first year. Nonetheless, we can't explain away some of the problem. Our attrition, we concluded, remains inexcusable.

How do we know that we have such an attrition rate? How do you measure attrition and retention? It is very difficult to do so without a substantial data base which we have. The Office of Planning Studies has about one and a half million records that it has been maintaining since 1973. It is very difficult to evaluate attrition without a sophisticated program to access that data base. We have that--a program developed through Mike Young and his associates in the Office of Planning Studies. We have over thirty variables which we can use to track students according to various personal, geographical, educational, chronological factors. Also, we were able to compare ourselves with some other institutions although this comparison proved limited. I'll return to that in a second.

It is very difficult to evaluate attrition and retention without established procedures for interviewing students who disenroll, and we don't have this capability, which leads me to the next question. 'What do we not know about why students leave Ohio State?' We don't know why they leave Ohio State. We know--nothing we have learned leads us to believe that their reasons for leaving differ from those at similar institutions. They leave for personal reasons. This is usually the reason they give, the ones that we can catch who tell us that they are going to leave which is only a small, small percentage. Most of them fade, disappear. But the ones that we do and can interview always list 'personal.' They also tell us that they leave for educationally negative reasons--advising is poor, counseling is poor, teaching is poor, curriculum is poor or they leave for educationally positive reasons. They want to go to a better school or a school which is perceived to be better. In fact, according to national reports (a broad range of which we have looked at) the most negative characteristic given by students who interviewed is inadequate advising.

The most positive is the caring attitude of faculty and staff. Though we compared ourselves with other institutions we soon discovered that we were caught up in what I refer to as the apples and oranges syndrome--that is, how good are their data; how good are their retention programs; what are their modes of inquiry. I might say that we are very proud of this report. We think it is a pathfinding report. We intend for it to get national attention because of the fact that we are able to understand ourselves we feel perhaps better than any other similar institution in the country. Mike wrote to fifty-some-odd flagship universities and the

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**COMMISSION ON STUDENT ATTRITION AND RETENTION
BY PROFESSOR RONALD ROSBOTTOM (contd)**

Professor Rosbottom: (contd)

variety of data that we got was quite large. There were very few institutions that we feel have the ability to analyze themselves as well as we do. The national attrition rate is (according to which publication you read) somewhere between 30 and 40 per cent of all institutions. That makes us look with our 50 per cent attrition rate somewhat unfavorable position. We would like to think that we just understand ourselves better, that if other institutions were able to evaluate themselves with the precision that we can--that perhaps their attrition rates would be somewhat similar.

Also, obviously, we are a unique institution in many ways--a large land-grant open admissions institution, the major research institution in a large state with demands ranging from teaching people how to read to putting together programs like the one you have just seen--all within the same campus. What can we do about what we do know? We can admit the problem. We can inform the University community that it exists. We can redirect our resources and our attention to establishing closer relationships between faculty and undergraduates. We can examine organizational structures which were set up in the 60's and 70's to respond to real needs--I speak here specifically of UVC and the Arts and Sciences federation. We can examine those structures in terms of the changing nature of higher education and where it is going to be in the next 20 years.

I refer you specifically to the Carnegie Council's 1980 report entitled, 'Three Thousand Futures: the Next Twenty Years for Higher Education,' which will show you what we need to do at Ohio State in order to respond imaginatively to projected changes. We can mandate a coherent faculty-devised curriculum for a liberal college education which those of us on the Commission do not feel we presently have. We can devise ways to mitigate the three gremlins of education at OSU: its size, the quarter system--which impedes coherent planning and which encourages stop-outs; which weakens the bonding that we feel is necessary between students and the institution they have chosen to attend.

And the third is the insufficient response that we've discovered to changes in higher education on the part of administrative structures originally designed to address earlier problems.

The overall rationale which subtended the recommendations that you have before you was--our benchmark was educational quality. This is a faculty commission and present company accepted, it is made up of, I think, five of the best faculty members that teach and do research at this institution. Each one of these people has been asked to chair or serve on another commission dealing with equally intractable problems since our Commission was formed.

OSU needs to think smaller; it's going to get smaller; and soon it needs to examine present administrative structures. It needs to encourage more attention to the student's intellectual life on campus. There is a general morale problem that we

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**COMMISSION ON STUDENT ATTRITION AND RETENTION
BY PROFESSOR RONALD ROSBOTTOM (contd)**

Professor Rosbottom: (contd)

have discovered here, reinforced both in students and in faculty which impedes change. President Jennings has made several public statements about OSU being more respected outside the state than within the state. And I think an analogous statement could be made that OSU is respected more outside of our campus than inside, both by the students and by the faculty.

The *Lantern*, for instance, just in the last year has had a half dozen editorials addressing the size, the impersonality, the lack of coherence in programs; perceptions defined responses, perceptions become facts, and that's why we were especially pleased with the strong *Lantern* endorsement of this report which appeared in last Friday's *Lantern*.

As far as the recommendations themselves are concerned, recommendations 1 and 2 deal with technical--but what we consider to be crucial--implementation of what we've learned. We know ourselves well enough now to cure our ills. We have got to centralize our information gathering processes on this campus. We've got to quit reinventing the wheel. I would hate to think that in five years, there will be another professor sitting here telling you about an attrition and retention report that has just been made which has forgotten the one that I've just reported on. We can't rely on demographic projections, but we can certainly establish more control over our internal institutional projections.

Number 3--better recruitment means higher retention. It's easier to retain students than it is to obtain students. Number 3 also refers to another fact which we discovered and that is that the black graduation rate at Ohio State University is very low and the retention efforts in that area need to be addressed and immediately.

Numbers 4, 5, and 6 refer to UVC (University College), which is an easy target. It is an easy target because it is the entry unit through which all of our students must pass, but it's an unavoidable one. We must address it since 50 per cent of all attrition occurs within that first year.

Recommendation 7 refers to the BER (the basic education requirement), which many of us feel is inimical to the definition of an educational philosophy. It's a microcosm of OSU, of those three gremlins I mentioned. Its emphasis there is on size and variety. When you have 400 or four hundred-and-something courses which are supposed to together enable a student to choose a coherent liberal college education, naturally problems are going to evolve. The BER, by the way, was examined in 1977, and I refer you to that report--the so-called Scanlon report.

And last, recommendations 8 and 9 which deal with conditional admission to Ohio State University. We were working on that this summer when you and

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**COMMISSION ON STUDENT ATTRITION AND RETENTION
BY PROFESSOR RONALD ROSBOTTOM (contd)**

Professor Rosbottom: (contd)

Provost Reynolds and President Jennings decided that it was a matter worth pursuing. We enthusiastically endorse it; we think that these two recommendations form a central part of our report.

Who has the responsibility now to address these problems? First is the retention committee which must avoid falling into the trap of not considering qualitative judgments and being inundated with data. These are academic issues, and we feel the Office of Academic Affairs should take the leadership in addressing this problem, and individual colleges should begin to establish a closer relationship between programmatic coherence and retention.

Let me conclude with a few salient facts that we discovered in our report. To give you an idea of what we are able to do--I wish I had a video tape--because I have a great respect for visual information, and one retains it longer than they do verbal. Fifty per cent of all NFQF will not get a degree at Ohio State University. Fifty per cent of all attrition occurs in the first year. Black students stand a significantly less chance of graduating than do whites. There is no statistically significant discrepancy between male and female graduation rates except in terms of blacks. There is little change in attrition or graduation rates over time. OSU needs to attract a higher proportion of the better Ohio high school graduates. The four-year model is no longer so dominant--by that, I mean the model of student entering in year one and graduating in spring of year four, but 12 quarters do seem to be the average. In other words, no matter how long they stay, it's going to take them 12 quarters of work. They can stay 15 years, but they will have, in effect, studied for 12 quarters. Students seem to do better in programs with a higher degree of curricular sequentiality, that is, with better defined requirements and as a result better advising. OSU's graduation rate is quite low in comparison with other large land-grant institutions insofar as we've been able to establish a valid comparison.

To conclude, let me say that the underlying belief of this committee was that we at Ohio State are prepared to offer excellent, quality education to those people who are ready, willing, and able to receive it.

Mr. Devenow: What was your statement just before your concluding statement?

Professor Rosbottom:

That Ohio State's graduation rate is quite low in comparison with other large land-grant institutions insofar as we've been able to establish those valid comparisons. We have some comparative data. It's interesting data; I think it's valid data, but we have to be very careful because we don't know how well their self-analysis is.

Mr. Devenow: So that that conclusion may not be a correct one?

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**COMMISSION ON STUDENT ATTRITION AND RETENTION
BY PROFESSOR RONALD ROSBOTTOM (contd)**

President Jennings:

Ron, I think it might be worthwhile saying that the conclusion may not be a correct one, but on a national level doesn't really give me any solace to say that Ohio State's rate is 50 per cent and somebody else's rate is 40 per cent. The magnitude of the issue is still there. I think that two things need emphasizing is that we are and I think we should be enormously skeptical of another institution's data and graduation rate. I think it is also important to point out that even if those data are correct that other institutions have the same problem. And then, I think, we must go on then to say that we should not go on to conclude that since other institutions have the same problem that we, at Ohio State, should not attempt to try and do something about it at our institution.

Mr. Devenow:

I agree except that whether we are or not the worst or the lowest--there's a question of how strong their analysis is. I agree that we have to deal with it wherever we are.

Professor Rosbottom:

Yes, I think it's not much of a solace saying that we're just a little more ill than the other institutions which are also ill. Unless you like being ill, it's better to cure yourself. Mike might want to make a comment about this data, because I think this is in many ways the most striking and yet the most problematic aspect of--it's data over which we had the least control because it's data that was provided by other institutions.

Mr. Mike Young:

Because I think you can get an idea if you could see the pile of material I received in response to the survey that I sent out as to the quality of data that other institutions have. Generally, they were Xerox copies that were hardly legible, apologies in cover letters for the quality of the data as well as of the presentation. Most of the universities that responded would not even allow us to identify them which gives me some indication of how proud they are of what they have. Yet, at the same time, I appreciate their willingness to share these data in a research mode.

Mr. Devenow:

May I interrupt--what I am trying to get at here is that we have had some criticism from time to time that academically we are not as good as other schools. This statement you made prior to your conclusion, maybe if it is accurate, it is a verification of that. If it's inaccurate, why we've been accused wrongly--even though, as I say, we need substantially more improvement.

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**COMMISSION ON STUDENT ATTRITION AND RETENTION
BY PROFESSOR RONALD ROSBOTTOM (contd)**

Professor Rosbottom:

I was just going to refer you back to one of my earlier statements and that is-- it's because of that first year that we look so bad. We do not have selective admissions at this institution. We select in that first year. We select, and I think students self-select as they decide what they are capable of doing. We didn't do this kind of run, but if we compared ourselves second and third and fourth years to other institutions--second, third, and fourth years--we look better. Not better, we don't look as bad.

Provost Reynolds:

That's the point I was going to make. When you just take the data, and you have those data that were sent to you, and you compare the attrition rate between the sophomore and the junior year, and the junior and senior year, we are not unlike the other comparative institutions. Our real problem is primarily in the first year, and many of the things that this Commission has recommended put the responsibility for that problem rather firmly--the responsibility for remedying the problem rather firmly on the faculty--and I appreciate that, and I am grateful for that because there are things that involve putting students in closer contact with faculty members and senior faculty members earlier. As we move to implement this, the faculty will be undertaking extra obligations in working with 18-year olds. And I am grateful to the Commission for making that recommendation and the reception of the faculty to this has, in general, been very strong.

Mr. Devenow:

All I was trying to certainly clarify is whether this was done in support of your position, and the actual preparation for exams. I didn't want this to be a self-serving situation.

Provost Reynolds:

No, Chairman Devenow, this project was started far before that. You were charged in September 1980, I think.

Professor Rosbottom: Right.

Provost Reynolds: And their recommendation is a concurrent one with that issue, but--

Professor Rosbottom:

I might say that we thought our most controversial recommendations were going to be the last two, and we voted on them back in June, all kinds of trepidations, spent hours trying to figure out how we were going to talk to the Provost and the President and the Board of Trustees into looking at them favorably. And

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**COMMISSION ON STUDENT ATTRITION AND RETENTION
BY PROFESSOR RONALD ROSBOTTOM (contd)**

Professor Rosbottom: (contd)

then there was an epiphany, a serendipitous combination of events, which took us off the hook, so that we can come back now and say that you've done a marvelous job, and as you can see, we back you 100 per cent, and we're glad you were out front on it rather than--

Mr. Devenow: In other words, you didn't back into it?

Professor Rosbottom:

We didn't back into it; we went into it with courage but a little trepidation, but I was expecting to appear before you saying, 'Here it comes; what about conditional admissions?' And now we don't have to do that; you've done all the hard work. We encourage, we strongly encourage that this program--this idea--be pursued. We think that it is a waste of resources--emotional and fiscal resources--to allow what happens in the first year at this institution to continue to happen.

Dr. Jacob:

Do you have any historical data related to the same type of numbers you're talking about? In other words, what was the magnitude of the problem in 1971, 1961, 1951?

Professor Rosbottom:

Well, 1973 is when we began to keep these kinds of data we have. Now, I know that I've heard some stories from one person who is sitting over there, John Mount, who always pulls out historical data whenever we come out with something just as recent as a decade ago. I think that the data, quite frankly, before 1973 was very idiosyncratically collected, was spread all over the University, was done well by some departments, less well by others, and I wouldn't suggest anyone taking the time or making the effort to dig that data out, because I just don't think it would be useful.

Mr. Devenow:

I've just one more question. How was the data related to the size of the college--number of students?

Mr. Mike Young: Are you asking if, did we sample this--

Mr. Devenow:

Well, I'm saying, 'Would the attrition rate be the same at the University of Michigan which is 45,000 or 60,000 or some other school that was 15,000, the University of Toledo--how did you adjust for size?'

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BY PROFESSOR RONALD ROSBOTTOM (contd)**

Mr. Mike Young:

I did not look at the size; I know what the attrition rates are for many of the institutions that you've mentioned, but it tends not to be--it's random by size, it has nothing to do with the size.

Mr. Devenow: You don't think size has an impact on it?

Mr. Mike Young:

I think it has more to do with open admissions. We looked at the quality of the students who came to OSU as measured by test scores compared to other universities and on the average they're lower here, but we have a lot of very good students and some very weak students so that's what is hitting the average.

Dr. Jacob:

Ron, would it suffice to say you would use this work that you've done, particularly the data base, for future evaluations to keep the Board and the administration up to date on how we are doing?

Professor Rosbottom:

I won't do it because I am through with this job! But it will be done because our first recommendation, and I might add that it was President Jennings, and on President Jennings' initiative, that we altered our first recommendation. There will be a retention commission chaired by a faculty member, the majority of whose members will be faculty, who will report, at least biannually, to the Board of Trustees and to the Senate on not only the fiscal but the academic issues attendant to retention and graduation.

Dr. Jacob: You're not volunteering?

Professor Rosbottom:

No. Well, I'd love to do it, but I think I should give the position to someone else.

President Jennings:

Let me just make a couple of points on this, too, that I think bear some considerable emphasis. We've talked about other institutions and other institutions' data. There has been a great deal of work nationally on the whys of retention or lack thereof. I think what you are going to find is that this study is going to be in higher education a pioneering study because it is the first that has taken strictly an academic approach to this issue that this is a faculty study--there are other aspects

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BY PROFESSOR RONALD ROSBOTTOM (contd)**

President Jennings: (contd)

of an institution besides academic aspects--and this institution has been a leader in some of those whether we're talking about dormitory programs, recreational activities, and so forth and so on. And those are extremely important to the total fabric of student life at this institution as it is at other institutions, but it's worth and I think very important, to emphasize that Ron and his committee have taken a faculty perspective on this, and all the recommendations are directed at the academic side of the student's experience at Ohio State. That has not been done on a national level, and so, I think, in answer to the quality issue, we're going to be very much out front nationally in taking a look at this issue from strictly the academic experience side of this.

I don't think there is any question also that it bears emphasizing that this is going to be an issue that the faculty must get engaged in and get engaged in deeply. Whether the issue is advising or organizational structure, many of the 'solutions' to these, at least that we think now, are not going to work unless the faculty is actively engaged in this. We absolutely must have the faculty engaged in it. I think that is one of the reasons we should be optimistic on this is because this whole process is a process of faculty engagements whether it's advising or what not.

I think, third, and very important--you saw earlier changing technology. I think we in the academic community very much have to address ourselves to the question of, 'What are we preparing our students for?' We've heard a lot in the last ten years about irrelevancies, but I think we all are fearing that they are irrelevancies only in a very short, short time period. I don't think there is any doubt that ten years ago those students trained in computer science, for example, if they have not adapted to those changing technologies, they are hopelessly out of date.

We've got to address also in this the very fundamental issue of, 'What are we training our students for?' Is it for that first job or is it for a career--a forty- to fifty-year career where things will totally change? And is it going to be a situation where we have to put out students who are ready for those changes, and that means in many areas a total rethinking of curricula to get more foreign language, more history, more humanities into that curriculum. It may be that they are irrelevant to that first job, but they are clearly not irrelevant to the career. That first job really hasn't got a lot to do with a student's long-term career and long-term success. And in this report, Ron has addressed that and the committee has addressed that very issue, and that's going to be a very significant issue at Ohio State and across the country, and again, the faculty is going to be involved in this.

And, I think, fifth, just as important, they have not fallen into the trap, that is, a lot of university studies are falling into. Namely, they have not relied solely on the traditional quantitative measures, whether it is square feet or student/faculty ratios or what not. Those are all important, but we are essentially in a very qualitative area. The judgments of the success of our students are going to be

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**COMMISSION ON STUDENT ATTRITION AND RETENTION
BY PROFESSOR RONALD ROSBOTTOM (contd)**

President Jennings: (contd)

made twenty and thirty and forty years from now. This group has not fallen into that trap of using just quantitative measures. While it makes it much more complex to go into the qualitative measures, the real guts of this thing is going to be a qualitative judgment, but in a qualitative judgment not tomorrow or next week but twenty years from now and thirty years from now. And, I think, that what we set forth is a process that is going to make a student's experience a much more lifelong student experience than that first job issue, and it is very wrapped up in what we saw before. I think it is very significant that these two activities are coming together, and we're talking about such rapidly changing technology, and we teach a student about computers today; that student by the time they're thirty is hopelessly out of date if they do not have some ability to adapt to that changing future, and we have to very much emphasize it. I think, frankly, we're on the right track here. We may be proven wrong ten years from now, but this is something that has not been addressed before and not tried before--the type of things that this committee is recommending, and I think it is kind of exciting, and I think that you're going to find that nationally we're going to be getting Ohio State--people are going to be watching us as to how successful we are, and I can imagine that we're going to be copied on down the road a great deal as we get on down the road.

Mr. Smith:

Just one thought--you highlighted the problem of retention of the black student, and I've been on this Board for many years now, and I have never heard a good report about admission of black students, retention of black students, admission of black students for professional schools, i.e., that we are improving. That's a problem that doesn't go away for us.

Mr. Devenow: That's right.

Mr. Smith: We don't seem to get any better at it.

President Jennings:

We've done a lot of quantitative work. I think in our minority or educational disadvantage, I would, of course, go beyond just the black student; I would go beyond to the minority and to the educationally disadvantaged student. We've done a great deal of getting those students into our institution, but now they are addressing the problem of what happens when they get into the institution. We've brought them into the institution. Now, we've got to determine whether there are special problems associated with that group, but I think what Ron is pointing out, it is a black student problem but it is a student body problem in general.

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**COMMISSION ON STUDENT ATTRITION AND RETENTION
BY PROFESSOR RONALD ROSBOTTOM (contd)**

Mr. Smith:

The last report I heard, we weren't doing a good job of getting them into the institution.

President Jennings:

We've got these 600 slots and we're getting them into the institution, but--

Provost Reynolds:

You may not have been at that meeting. I gave a preliminary report on enrollment and mentioned specifically minority admission, and would be happy to bring this in more fully over--with a profile of several years. I do want to mention one thing in that context though, our graduate program, where we actually recruit graduate students for our graduate school from minorities--is outstanding across the nation. We have one of the highest percentages of black students in graduate programs of any institution in the country, and we have produced more black Ph.D.'s than any institution in the United States.

Mr. Smith: That's the first time I've heard that.

Provost Reynolds:

But that's one statistic, and if the President concurs and so forth, I would be glad to explore that more fully with you.

President Jennings:

I would be glad to. Well, I'd just, perhaps, like to close, but I think this is an exciting activity, and I appreciate very much the faculty addressing this very difficult issue, and it's going to be a long time in the making, but I think this institution in this process is taking a major step towards looking at our entire academic activity, and we thank you, Ron, and each of the members of the committee, and as soon as I get my desk cleaned off and down to it, we'll be appointing this Commission, and I'm very confident we're off to a good start on it.

Professor Rosbottom:

Thank you, and I would like to commend the administration in the person of Provost Reynolds and former President Enarson and former Vice President Vandament, who initiated this Commission and who called me on the phone and said, 'We want you to do something about retention.' And I said, 'Yes,' because I didn't know anything about it. But it was a good idea, and I hope that we've been able to help you. Thank you.

Mr. Devenow: Thank you very much.

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RESOLUTIONS IN MEMORIAM

Resolution No. 82-49

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

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

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

William H. Reither

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on April 19, 1981, of William H. Reither, Associate Professor Emeritus in the Department of Philosophy.

Professor Reither was born in Jackson Center, Pennsylvania, on May 2, 1892. He received the A.B. degree in philosophy from Oberlin College in 1924 and the A.M. degree, likewise in philosophy from Oberlin, in 1925. In 1931, he was awarded the Ph.D. degree from The Ohio State University where he had already served in the Department of Philosophy as Graduate Assistant (1926-28) and as part-time Instructor (1928-31). From 1931 to 1942, Dr. Reither served as Instructor of Philosophy at Ohio State, from 1942 to 1957 as Assistant Professor, and from 1957 to 1962 as Associate Professor. In 1962, he became Associate Professor Emeritus. Dr. Reither also served as Acting Associate Professor at Ohio University in the Summer of 1948, as Lecturer at Johns Hopkins University in 1949-50 and, after his retirement, as Visiting Professor at the College of Wooster in 1963-64.

Throughout his career at Ohio State, Professor Reither made manifest his steadfast commitment to the department by serving on numerous committees. He was, moreover, Secretary-Treasurer of Phi Beta Kappa, Epsilon of Ohio, from 1944 to 1948, and President of the Chapter in 1957-58. From 1950 till 1953, he was a member of various committees of the University Post, No. 310, of the American Legion. Likewise, Dr. Reither was active in professional philosophy in Ohio when, from 1935 to 1940, he was Secretary-Treasurer of the Philosophy Section of the Ohio College Association and, from 1949 to 1952, its President.

Although he contributed articles and reviews to journals in the field, Professor Reither was, above all, a devoted teacher and counselor of students. He taught and advised thousands of students both here at Ohio State and elsewhere, and he literally dedicated his life to his students.

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

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RESOLUTIONS IN MEMORIAM (contd)

Samuel Renshaw

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on November 5, 1981, of Samuel Renshaw, Professor Emeritus in the Department of Psychology.

Dr. Samuel Renshaw was born in Sugar Grove, Ohio, in 1892. He was a lifelong Ohioan although his many professional contributions extended his reputation far beyond the borders of his state and even of his nation. Dr. Renshaw was a friend of many of the notables of his day, among them James Thurber and Aldous Huxley.

He graduated from Ohio University in 1914 and earned his M.A. and Ph.D. degrees at The Ohio State University. He began his academic career as an Instructor in experimental psychology at Ohio University. Before coming to Ohio State in 1925 as Assistant Professor of psychology, he taught successively at Rio Grande College and at Western State Normal School in Michigan. At Ohio State where he taught experimental and educational psychology, Dr. Renshaw was for many years Director of the Experimental and Perception Laboratory. He retired as Professor Emeritus from Ohio State in 1962.

In addition to his specialty in the psychology of perception, Dr. Renshaw made numerous contributions to the field of optometry and was widely known among optometrists for his applied and theoretical contributions to their profession. During World War II, Dr. Renshaw devised an early recognition system for the identification of enemy aircraft and was head of a U. S. Navy sponsored school at The Ohio State University for training naval personnel in his system. He was decorated by the Navy for his contribution to the war effort. As an educational psychologist, Dr. Renshaw was particularly interested in the process of speed reading and devised tachistoscopic methods for teaching reading at high rates of speed while maintaining comprehension. Dr. Renshaw's book, *Childrens' Sleep* is an outstanding contribution to the field of developmental psychology.

Dr. Renshaw's work has been a great credit to the University at which he taught for so many years. He befriended many of his students and will long be remembered by both the undergraduate and graduate students who took his seminars, worked in his laboratory, and took their degrees under his direction.

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

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1981-82 CURRENT FUNDS BUDGET FOR THE OHIO STATE UNIVERSITY

I. INTRODUCTION

The adoption of the Current Funds Budget for Fiscal Year 1981-82 has been deferred until the members of the Ohio General Assembly were able to complete their work of dealing with the difficult financial constraints facing the State. Now that the work of the State legislators has resulted in a budget for the remainder of the 1981-83 biennium, the allocation for The Ohio State University will enable this University to continue to fulfill its mission as the State's land-grant University and maintain its reputation as one of the finest public universities in the nation.

Under the provisions of this budget, Ohio State will be able to provide long-overdue raises to maintain and improve the quality of our faculty and staff. Funds are also available to provide some additional support for sustaining the quality of the library plus acquisition of teaching and research equipment. Perhaps most important to this University's mission is the reduction in student fees to maintain the tradition of student accessibility.

In developing and approving this budget for 1981-82, we must be ever mindful that the economic situation in Ohio remains uncertain. Therefore, every effort will be made to maintain adequate flexibility to adjust expenditure patterns if less than anticipated State revenues should necessitate further budget adjustments. In this regard, the hiring restrictions which have been in effect will continue until there is a clarification of the State revenue situation and budget plans for Fiscal Year 1982-83 are approved.

II. SOURCES OF FUNDS

The sources of current funds in support of the 1981-82 budget total \$607,084,800, as detailed in the schedule of Sources of Income to support 1981-82 Budget. These revenues represent an estimated increase of 12.6 per cent over actual 1980-81 current funds revenues. Of these total sources, Columbus Campus general funds represent 44 per cent of the total with earnings operations generating 33 per cent, restricted grants and contracts 21 per cent, and the regional campuses revenues total 2 per cent.

The 1981-82 budgeted student fee revenues incorporate a 50 per cent reduction in the Instructional Fee surcharge effective the Winter Quarter 1982. This surcharge, implemented the Autumn Quarter 1981, was necessitated by the interim State budget. With the support currently provided by the State, this University will meet its commitment to reduce the amount of the surcharge and establish the instructional fees at a lower level. Even with this lowering of student fees, the percentage of the Columbus Campus unrestricted general funds budgets support by student fees continues to increase--33 per cent for 1981-82, 31 per cent in 1980-81 and 28 per cent in 1979-80.

Due to the uncertainties in State revenues, the 1981-82 biennium budget legislation includes an automatic subsidy cutback of 1 per cent for 1981-82 if revenues do not meet projections. Therefore, we have created within this budget flexibilities which will allow this University to address to reductions in State support without disruption to the academic programs.

**1981-82 CURRENT FUNDS BUDGET FOR
THE OHIO STATE UNIVERSITY (contd)**

III. USES OF FUNDS

The University's current funds estimated expenditures for Fiscal Year 1981-82 are detailed in the schedule of Budgeted Expenditures for 1981-82. These expenditure levels will enable this University to implement the following budget guidelines for Fiscal Year 1981-82.

- * Increase faculty and administrative/professional staff salaries by an average of 9 per cent (which includes a 4 per cent across-the-board pay increase), plus an allowance of 2 per cent as a supplemental allocation for market adjustments in selected units of the University, both to be effective November 1, 1981.
- * All eligible faculty and staff to receive a one-time cash supplement on December 18 to equalize the effects of the delay in pay increases for those on academic year versus annual appointments. This one-time payment is to cover the month of November for academic year personnel and November plus three months for annual appointment faculty and administrative/professional staff.
- * Classified personnel to receive pay increases of 75 cents-per-hour or 10 per cent, whichever is greater, in accordance with House Bill 634, with this University covering one-third the cost.
- * Increase general expense budgets by 8 per cent for the colleges and departments, which includes stipends for graduate students working as teaching, research and administrative associates.
- * Provide on a one-time basis, special allocations of \$1.1 million for student financial aid support, \$1.1 million for library acquisitions, and \$2.0 million for the purchase of necessary instructional and research equipment.

In addition to these specified budget increases, the expenditure budgets will enable this University to meet mandated General Fund cost increases such as utilities (\$2.2 million) and employee benefits (\$1.3 million). There is also established a minimum flexibility budget of \$2.5 million with which to address unanticipated needs, along with \$3.3 million held as uncommitted reserves unless needed to remedy potential shortages in revenues.

Assumed in this budget is the implementation of the overhead cost recovery system applicable to all University earnings operations. This program will require each unit that earns all or part of its revenues from charges for their services to compensate the University General Fund for the various administrative and support services provided as well as pay the direct costs of the utility, custodial and maintenance services utilized. These units will in turn be compensated for the short-term interest earnings on their positive cash balances (or charged the same rate of interest for negative cash balances). This program will reduce the General Fund burden of support for these earnings operations by having each such unit cover the total costs of their activities.

December 10, 1981 meeting, Board of Trustees

**1981-82 CURRENT FUNDS BUDGET FOR
THE OHIO STATE UNIVERSITY (contd)**

IV. 1982-83 BUDGET PLANNING

Knowledge of State appropriations for the second year of the biennium has enabled us to initiate the budget planning process for 1982-83. As soon as resource and cost estimates are more refined, budget guideline recommendations for the next fiscal year will be brought to the Board. Preliminary analyses indicate that with the current biennium allocation from the State, and assuming reasonable increases in expenditures plus maintaining our commitment to hold fee increases to a minimum, it will still be necessary for this University to cut an additional \$6.7 million from its budget prior to June 30, 1983. This is in addition to the \$10 million in retrenchments and savings already absorbed since July 1, 1980.

These reductions will be made over the remainder of the biennium in selected areas to be determined by the vice presidents and deans, in consultation with faculty, staff and students. In making these further cutbacks, every attempt will be made to assure that the University's fundamental missions are not adversely affected. Reductions in personnel will continue to be achieved through attrition, and the University's limited hiring freeze will remain in effect. The overriding goal in realizing these savings by the end of the biennium will be that Ohio State's long-standing quality in teaching, research and public service are maintained.

Unfortunately, there is still a great deal of uncertainty about the second year's finances for the State, and we must be aware of these uncertainties in projecting fee levels for next year. The Ohio State University, however, remains committed to the principle of accessibility, and therefore we remain committed to keeping our fees as low as possible.

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BUDGET 1981-82

Resolution No. 82-50

Synopsis: The Budget for 1981-82 is being submitted for adoption.

WHEREAS the State has adopted a budget for the remainder of the 1981-83 biennium which provides funding to this University for 1981-82 which is 8.2 per cent above the reduced appropriation level for Fiscal Year 1980-81; and

WHEREAS this funding level enables this University to reduce 50 per cent of the student fee surcharge imposed during the period of the interim budget; and

WHEREAS the resources are now available to provide salary increases of 9 per cent to the faculty and administrative/professional staff for Fiscal Year 1981-82 plus another 2 per cent for selective market adjustments; and

WHEREAS the State has adopted salary increases for the classified staff of 75 cents per hour or 10 per cent, whichever is greater for Fiscal Year 1981-82 and has provided two-thirds of the funding for these increases:

December 10, 1981 meeting, Board of Trustees

BUDGET 1981-82 (contd)

NOW THEREFORE

BE IT RESOLVED, That the University Current Funds Budget for Fiscal Year 1981-82 be approved with the authorization to make expenditures within the income levels contained in the budget schedules included as a part of this Resolution; and

BE IT FURTHER RESOLVED, That the student fee surcharge imposed during the period of the interim budget be reduced 50 per cent beginning Winter Quarter 1982, and that the Schedule of Student Fees for the Winter Quarter 1982 be hereby approved; and

BE IT FURTHER RESOLVED, That the Secretary be instructed to incorporate all supporting documents into the minutes of this meeting, including salary rolls with promotions and fees and charges for the Fiscal Year 1981-82, and to file these materials with the official records of this University.

Mr. Devenow:

Before we ask for a motion or a vote, I would like to make a statement. I would like to report that the Personnel Committee of this Board has met to consider the President's salary. I think everyone assembled here knows the President's salary has been a concern of long standing with this Board. As you know, the salary was also a particularly acute and difficult problem for the Board during the search and selection process for a new president. This ultimately resulted in Dr. Jennings having to take a substantial salary reduction in order to assume the presidency of The Ohio State University.

We were delighted and pleased with President Jennings' decision to come to OSU, and I believe that it would be a disservice to him not to recognize the financial sacrifice he made in order to assume the presidency of this great University. It is most certainly difficult to justify the current salary of President Jennings in light of the level and complexity of his responsibilities. I should note here that the Board wishes to formally recognize Dr. Jennings efforts over the past several weeks for his work on behalf of The Ohio State University.

In view of the action taken by the Ohio General Assembly to remove the constraints imposed on the University with regard to the President's salary, the Personnel Committee has recommended that effective November 1, President Jennings' salary be fixed at an annual rate of \$78,000.00. I should like to note further that even at the proposed salary increase level, President Jennings will be substantially below some of the salaries of other presidents of the Big 10 institutions. I would like to ask for a motion to approve the President's budget recommendations as well as the recommendation of the Personnel Committee as noted in my report to this Board. Do I have a motion?

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

December 10, 1981 meeting, Board of Trustees

THE OHIO STATE UNIVERSITY
 1981-82 CURRENT FUNDS BUDGET
 SOURCES OF INCOME TO SUPPORT 1981-82 BUDGET
 (IN THOUSANDS)

	1980-81 Actual Income	1981-82 Proposed Budget
Columbus Campus		
Government Appropriations		
State of Ohio	\$164,407	\$179,130
Federal	69,241	75,653
Other	8,986	9,735
Subtotal	\$242,634	\$264,518
Student Fees		
Instruction and General	\$ 73,270	\$ 86,878
Room and Board	20,521	22,788
Other	3,621	3,992
Subtotal	\$ 97,412	\$113,658
Other Income		
Auxiliary Sales and Charges	\$132,008	\$157,901
Department and University Services	15,496	14,835
Endowment Income	5,054	5,205
Gifts and Grants	20,368	21,714
Temporary Investments	12,022	13,000
Subtotal	\$184,948	\$212,655
TOTAL COLUMBUS CAMPUS	\$524,994	\$590,831
Regional Campuses		
Lima Campus	\$ 3,192	\$ 3,637
Mansfield Campus	3,126	3,344
Marion Campus	1,959	2,233
Newark Campus	2,727	3,135
Agricultural Technical Institute	3,266	3,800
Wright-Patterson Graduate Center	103	105
TOTAL REGIONAL CAMPUSES	\$ 14,373	\$ 16,254
GRAND TOTAL	\$539,367	\$607,085

December 10, 1981 meeting, Board of Trustees

THE OHIO STATE UNIVERSITY
1981-82 CURRENT FUNDS BUDGET
BUDGETED EXPENDITURES FOR 1981-82
(IN THOUSANDS)

	1980-81 Actual	1981-82 Proposed Budget
Columbus Campus		
Instruction and General		
Departmental Instruction and Research	\$172,265	\$199,029
Libraries	10,346	12,017
Other Academic Support	3,789	4,282
Sponsored Programs Administration	6,562	6,331
Student Services	9,844	10,593
Plant Operation	30,531	33,378
Institutional Support	20,262	22,595
Total Instruction and General	\$253,599	\$288,225
Sponsored Research		
Federally Sponsored Programs	\$ 37,586	\$ 41,148
Other Externally Sponsored Programs	9,594	10,520
Internally Sponsored Programs	742	539
Total Sponsored Research	\$ 47,922	\$ 52,207
Public Service		
University Hospitals	\$ 99,613	\$128,495
Cooperative Extension Service	22,504	24,534
Externally Sponsored Programs	15,095	16,841
Internally Sponsored Programs	5,265	5,528
Total Public Service	\$142,477	\$175,398
Student Aid	\$ 7,191	\$ 8,339

December 10, 1981 meeting, Board of Trustees

THE OHIO STATE UNIVERSITY
1981-82 CURRENT FUNDS BUDGET
BUDGETED EXPENDITURES FOR 1981-82
(IN THOUSANDS) (contd)

	1980-81 Actual	1981-82 Proposed Budget
Columbus Campus (contd)		
Auxiliaries		
Student Housing	\$ 24,784	\$ 27,325
Intercollegiate Athletics	11,471	11,599
University Bookstores	7,174	7,808
Student Health Service	2,762	3,027
Student Unions	3,148	2,850
Parking Facilities	2,841	3,493
University Airport	3,307	3,003
Fawcett Center for Tomorrow	1,832	1,942
Other	773	1,249
Total Auxiliaries	\$ 58,092	\$ 62,296
TOTAL COLUMBUS CAMPUS	\$509,281	\$586,465
Regional Campuses		
Administration	\$ 151	\$ 220
Lima Campus	2,608	3,204
Mansfield Campus	2,757	2,990
Marion Campus	1,684	1,936
Newark Campus	2,342	2,729
Agricultural Technical Institute	3,055	3,453
Wright-Patterson Graduate Center	103	105
TOTAL REGIONAL CAMPUSES	\$ 12,700	\$ 14,637
TOTAL ALL CAMPUSES	\$521,981	\$601,102
Construction and Renovation Projects	\$ 3,593	-0-
Endowment Income to Principal	\$ 751	-0-
GRAND TOTAL	\$526,325	\$601,102

PROPOSED SCHEDULE OF STUDENT FEES, EFFECTIVE WINTER QUARTER, 1982

College or School	Credit Hours Enrolled	Instructional	General	Resident Total	Out-of-State Tuition	Non-Resident Total
Undergraduate						
Administrative Science						
Agriculture and Home Economics						
Allied Medical Professions						
Architecture						
Biological Sciences						
Continuing Education	0-1	\$ 59	\$11	\$ 70	\$ 56	\$ 126
Dental Hygiene	2	75	15	90	112	202
Education	3	88	21	109	169	278
Engineering	4	117	28	145	223	368
Health, Physical Education and Recreation	5	147	35	182	281	463
	6	175	42	217	337	554
Humanities	7	204	50	254	393	647
Journalism	8	233	57	290	450	740
Mathematical and Physical Sciences	9	262	64	326	506	832
	10	291	71	362	562	924
Music	11	321	78	399	619	1,018
Natural Resources	12 or more	350	85	435	675	1,110
Nursing						
Pharmacy						
Social and Behavioral Sciences						
Social Work						
The Arts						
University College						

PROPOSED SCHEDULE OF STUDENT FEES, EFFECTIVE WINTER QUARTER, 1982 (contd)

College or School	Credit Hours Enrolled	Instructional	General	Resident Total	Out-of-State Tuition	Non-Resident Total
Executive M.B.A.	1st year	\$1,515	\$85	\$1,600	\$785	\$2,425
	2nd year	1,115	85	1,200	785	1,985
University Regional Campuses						
Undergraduate	0-1	\$ 59	\$11	\$ 70	\$ 56	\$ 126
	2	75	14	89	112	201
	3	88	17	105	169	274
	4	117	23	140	223	363
	5	147	29	176	281	457
	6	175	35	210	337	547
	7	204	41	245	393	638
	8	233	47	280	450	730
	9	262	53	315	506	821
	10	291	58	349	562	911
	11	321	65	386	619	1,005
	12 or more	350	70	420	675	1,095
Graduate	0-1	\$ 59	\$11	\$ 70	\$ 79	\$ 149
	2	95	14	109	157	266
	3	143	20	163	236	399
	4	190	28	218	314	532
	5	237	35	272	393	665
	6	285	42	327	471	798
	7	333	48	381	550	931
	8	380	56	436	628	1,064
	9	428	62	490	707	1,197
	10 or more	475	70	545	785	1,330

PROPOSED SCHEDULE OF STUDENT FEES, EFFECTIVE WINTER QUARTER, 1982 (contd)

College or School	Credit Hours Enrolled	Instructional	General	Resident Total	Out-of-State Tuition	Non- Resident Total
Graduate School	0-1	\$ 59	\$11	\$ 70	\$ 79	\$ 149
	2	95	17	112	157	269
	3	143	25	168	236	404
	4	190	34	224	314	538
	5	237	43	280	393	673
	6	285	51	336	471	807
	7	333	59	392	550	942
	8	380	68	448	628	1,076
	9	428	76	504	707	1,211
	10 or more	475	85	560	785	1,345
Graduate Professional						
Law	0-3	\$ 140	\$21	\$ 161	\$ 210	\$ 371
Pharmacy, Doctor of	4	187	28	215	281	496
	5	234	35	269	350	619
	6	280	42	322	420	742
	7 or more	560	85	645	840	1,485
Medicine						
	0-3	\$ 249	\$21	\$ 270	\$ 281	\$ 551
	4	332	28	360	375	735
	5	415	35	450	469	919
	6	498	42	540	563	1,103
	7 or more	995	85	1,080	1,125	2,205
Dentistry						
Optometry Veterinary Medicine	0-3	\$ 204	\$21	\$ 225	\$ 281	\$ 506
	4	272	28	300	375	675
	5	340	35	375	469	844
	6	408	42	450	563	1,013
	7 or more	815	85	900	1,125	2,025

December 10, 1981 meeting, Board of Trustees

**PROPOSED SCHEDULE OF STUDENT FEES,
EFFECTIVE WINTER QUARTER, 1982 (contd)**

Undergraduate students enrolled in any quarter, term, or period for twelve or more credit hours will be assessed full fees. Fees for undergraduate students enrolled for eleven or fewer hours in any quarter, term, or period shall be assessed on a per credit hour basis, with the fees for fewer than three credit hours as shown above and with the minimum Instructional and General fees being \$70 for zero or one credit hour.

Graduate students enrolled in any quarter, term, or period for ten or more credit hours will be assessed full fees. Fees for graduate students enrolled for nine or fewer hours in any quarter, term, or period shall be assessed on a per credit hour basis, with the fees for fewer than three credit hours as shown above and the minimum Instructional and General fees being \$70 for zero or one credit hour.

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

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**MERGER OF OHIO AGRICULTURAL RESEARCH AND DEVELOPMENT CENTER
INTO THE OHIO STATE UNIVERSITY**

Resolution No. 82-51

Synopsis: Modification of Bylaws of the Board of Trustees and Rules of the University Faculty is being proposed.

WHEREAS pursuant to an action of the Board of Trustees and a concurrent action by the Board of Control at the meetings held on May 1, 1981, said Boards expressed the intent to bring the Ohio Agricultural Research and Development Center into The Ohio State University should enabling legislation be enacted by the General Assembly for this purpose; and

WHEREAS the 114th General Assembly has approved enabling legislation which provides for the merger of the Ohio Agricultural Research and Development Center into The Ohio State University; and

WHEREAS the University wishes to proceed with the implementation of this merger in accordance with the Memorandum of Understanding adopted at the May 1 meetings; and

WHEREAS in order to provide the requisite administrative organizational alignment it is necessary to amend existing *Bylaws of the Board of Trustees and Rules of the University Faculty*; and

December 10, 1981 meeting, Board of Trustees

**MERGER OF OHIO AGRICULTURAL RESEARCH AND DEVELOPMENT CENTER
INTO THE OHIO STATE UNIVERSITY (contd)**

WHEREAS pursuant to rule 3335-1-09 of the Administrative Code and upon the recommendation of the President, the bylaws and rules as enumerated below are amended and/or new rules are proposed:

NOW THEREFORE

BE IT RESOLVED, That the modification to the *Bylaws of the Board of Trustees and Rules of the University Faculty* as proposed in this resolution be adopted and that they be included in the next printing of this document.

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

BYLAWS

3335-1-03 Administration of the university.

(E) The president's staff.

(1) The president's staff shall consist of the president, the provost, the vice president for business and administration, the vice president for student services, the vice president for health sciences, the vice president for regional campuses, the vice president for educational services, the vice president for public affairs, the vice president for personnel services, the vice president for finance and planning, the vice president for university development, the vice president for agricultural administration and executive dean for agriculture, home economics, and natural resources, and special assistants.

(Q) Vice president for agricultural administration and executive dean for agriculture, home economics, and natural resources. The major area of responsibility and authority of the vice president for agricultural administration and executive dean for agriculture, home economics, and natural resources shall be that of handling administrative and fiscal affairs for Ohio agricultural research and development center and Ohio cooperative extension service. Without limiting the generality of the foregoing, the vice president for agricultural administration and executive dean for agriculture, home economics, and natural resources shall, under the direction of the president and with the approval of the board of trustees, be responsible and have the requisite authority for: the administrative details and authorization for all expenditures which shall be in accordance with policies and procedures of the Ohio state university. The vice president for agricultural administration and executive dean for agriculture, home economics, and natural resources shall report to the president of the university for all administrative and fiscal affairs and to the provost of the university for academic affairs, including appointment, tenure, and promotion of all faculty.

**MERGER OF OHIO AGRICULTURAL RESEARCH AND DEVELOPMENT CENTER
INTO THE OHIO STATE UNIVERSITY (contd)**

RULES

3335-3-05 President's staff.*

- (A) The president's staff shall consist of the president, the provost, the vice president for business and administration, the vice president for student services, the vice president for health sciences, the vice president for regional campuses, the vice president for educational services, the vice president for public affairs, the vice president for personnel services, the vice president for finance and planning, the vice president for university development, the vice president for agricultural administration and executive dean for agriculture, home economics, and natural resources, and special assistants.

3335-3-152 Vice president for agricultural administration and executive dean for agriculture, home economics, and natural resources.*

- (A) The vice president for agricultural administration and executive dean for agriculture, home economics, and natural resources shall be the executive head of the college of agriculture and home economics, the Ohio agricultural research and development center, and the Ohio cooperative extension service which organizations include the college of agriculture and home economics, the school of home economics, the school of natural resources, and the agricultural technical institute.
- (B) The major area of responsibility and authority of the vice president for agricultural administration and executive dean for agriculture, home economics, and natural resources shall be that of handling administrative and fiscal affairs for Ohio agricultural research and development center and Ohio cooperative extension service. Without limiting the generality of the foregoing, the vice president for agricultural administration and executive dean for agriculture, home economics, and natural resources shall, under the direction of the president and with the approval of the board of trustees, be responsible and have the requisite authority for: the administrative details and authorization for all expenditures which shall be in accordance with policies and procedures of the Ohio state university. The vice president for agricultural administration and executive dean for agriculture, home economics, and natural resources shall report to the president of the university for all administrative and fiscal affairs and to the provost of the university for academic affairs, including appointment, tenure, and promotion of all faculty.
- (C) The principal administrative officials of the office of agricultural administration and executive dean for agriculture, home economics, and natural resources shall be the director, Ohio agricultural research and development center; the director, Ohio cooperative extension service; the dean, college of agriculture and home economics; the director, school of home economics; the director, school of natural resources; and the director, agricultural technical institute. (B/T 12/10/81)

*Rule initiated by board of trustees.

December 10, 1981 meeting, Board of Trustees

**MERGER OF OHIO AGRICULTURAL RESEARCH AND DEVELOPMENT CENTER
INTO THE OHIO STATE UNIVERSITY (contd)**

RULES (contd)

3335-5-601 Standing committee on agricultural affairs.*

- (A) The standing committee on agricultural affairs shall be appointed by the board of trustees.
- (B) The committee shall include:
- (1) The director of the Ohio department of agriculture who shall be vice chairman, ex officio with voting rights.
 - (2) Such other members as the chairman of the board of trustees may designate.
(B/T 12/10/81)

*Rule initiated by board of trustees.

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APPOINTMENT OF STANDING COMMITTEE ON AGRICULTURAL AFFAIRS

Resolution No. 82-52

Synopsis: Appointment of Standing Committee on Agricultural Affairs is being proposed.

WHEREAS pursuant to rule 3335-5-601 of the Administrative Code, provision is made for the establishment of a standing committee on agricultural affairs:

NOW THEREFORE

BE IT RESOLVED, That the following individuals be named as members of the Standing Committee on Agricultural Affairs:

Daniel M. Galbreath, Chairman
John M. Stackhouse, Vice Chairman, Ex Officio
John F. Havens
Chester Devenow, Ex Officio

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

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December 10, 1981 meeting, Board of Trustees

**CHANGE NAME OF MASTER OF HUMANITIES DEGREE TO
MASTER OF LIBERAL STUDIES**

Resolution No. 82-53

Synopsis: Change name of Master of Humanities degree to Master of Liberal Studies is being proposed.

WHEREAS the previously approved Master of Humanities degree program has been successful in attracting highly motivated, intelligent students who, in consultation with faculty advisors, have developed academically sound master's level programs that do not fit into the regular degree offerings of the University; and

WHEREAS the courses used in the program are existing courses put together in different ways, but always in ways that make programmatic sense; and

WHEREAS the program has never been limited to courses solely in the humanities, but the degree title was chosen because the College of Humanities submitted the original proposal; and

WHEREAS the designation Master of Liberal Studies is more accurate and informative than the present title, and is a designation in wide use at colleges and universities in Ohio and the nation; and

WHEREAS the proposed designation has been approved by the College of Humanities, the Graduate School, and the Council on Academic Affairs:

NOW THEREFORE

BE IT RESOLVED, That the foregoing proposal from the University Senate, which was approved November 14, 1981, be adopted; and

BE IT FURTHER RESOLVED, That this proposal be forwarded to the Board of Regents pursuant to section 3333.04(N) of the Revised Code for approval.

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

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PERSONNEL ACTIONS

Resolution No. 82-54

Synopsis: In addition to the regular personnel actions taken since the last meeting, the following Medical Staff Appointments, Leaves of Absence Without Salary, Cancellation of Professional Improvement Leaves, Professional Improvement Leaves, and Emeritus Title are recommended for approval.

December 10, 1981 meeting, Board of Trustees

PERSONNEL ACTIONS (contd)

RESOLVED, That the personnel actions as recorded in the Personnel Budget Records of the University since the November 6, 1981 meeting of the Board, including the following Medical Staff Appointments, Leaves of Absence Without Salary, Cancellation of Professional Improvement Leaves, Professional Improvement Leaves, and Emeritus Title as detailed in the University Budget, be approved.

Medical Staff Appointments

Effective July 1, 1980

Carl M. Allen, D.D.S.	Attending Staff in Dentistry (General Dentistry)	Assistant Professor
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Effective September 1, 1981

Vira Santibhavank, M.D.	Attending Staff in Anesthesiology	Assistant Professor
James Edward Foy, D.O.	Courtesy Staff in Pediatrics	Clinical Instructor

Effective October 1, 1981

Nathan Dappen, M.D.	Limited Staff in Anesthesiology	Clinical Instructor H.S.
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Effective November 1, 1981

Paul C. Levy, M.D.	Limited Staff in Medicine (General Medicine)	Clinical Instructor H.S.
Carol F. Owais, M.D.	Limited Staff in General Psychiatry	Cinical Instructor H.S.

Leaves of Absence Without Salary

MARSHALL W. SWAIN, Professor, Department of Philosophy, effective October 1, 1982 through June 30, 1983, for personal reasons.

ANNE M. PHILBIN, Associate Professor, Department of Art, effective October 1, 1982 through December 31, 1982, to serve as Visiting Professor of Art at the University of Auckland, Auckland, Australia.

KATALIN I. KORANYI, Assistant Professor, Department of Pediatrics, effective September 12, 1981 through October 25, 1981, for personal reasons.

SHIGERU MIYAGAWA, Assistant Professor, Department of East Asian Languages and Literatures, effective October 1, 1982 through June 30, 1983, to accept a research fellowship from the National Institute of Mental Health for research at Massachusetts Institute of Technology.

December 10, 1981 meeting, Board of Trustees

PERSONNEL ACTIONS (contd)

Cancellation of Professional Improvement Leaves

HUGO BEKKER, Professor, Department of German, cancel leave approved for Autumn Quarter 1981, Winter Quarter 1982, and Spring Quarter 1982.

RICHARD L. RUDY, Professor, Department of Veterinary Clinical Sciences, cancel leave approved for Autumn Quarter 1981, Winter Quarter 1982, and Spring Quarter, 1982.

Professional Improvement Leaves

SAMUEL C. CHU, Professor, Department of History, effective Autumn Quarter 1982, Winter Quarter 1983, and Spring Quarter 1983.

JOSEPH C. FERRAR, Professor, Department of Mathematics, effective Autumn Quarter 1982, Winter Quarter 1983, and Spring Quarter 1983.

JAMES P. SCANLAN, Professor, Department of Philosophy, effective Autumn Quarter 1982, Winter Quarter 1983, and Spring Quarter 1983.

CHARLES WALLSCHLAEGER, Professor, Department of Industrial Design, effective Autumn Quarter 1982, Winter Quarter 1983, and Spring Quarter 1983.

THOMAS W. COOLEY, JR., Associate Professor, Department of English, effective Autumn Quarter 1982, Winter Quarter 1983, and Spring Quarter 1983.

SUZANNE C. FERGUSON, Associate Professor, Department of English, effective Winter Quarter 1983 and Spring Quarter 1983.

CAROLE R. ROGEL, Associate Professor, Department of History, effective Autumn Quarter 1982, Winter Quarter 1983, and Spring Quarter 1983.

Emeritus Title

WILLIAM H. R. HOWARD, Department of Radiology, with the title Professor Emeritus, effective January 1, 1982.

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

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December 10, 1981 meeting, Board of Trustees

REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS

Resolution No. 82-55

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

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

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

NOW THEREFORE

BE IT RESOLVED, That the research agreements between The Ohio State University and The Ohio State University Research Foundation for the contracts and grants reported herein, and the acceptance of the reports from the Engineering Experiment Station and The Ohio State University Development Fund during the month of October 1981, be approved.

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

SUMMARY FOR OCTOBER 1981

Source	No. of Projects	Support Level
The Ohio State University Research Foundation	77	\$4,123,645.00
Engineering Experiment Station	33	110,323.00
		\$4,233,968.00
Establishment of Named Funds		
Office of Health Sciences		
The Ohio State University College of Optometry Progress Fund (College of Optometry)		
		\$ 250,000.00

December 10, 1981 meeting, Board of Trustees

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

SUMMARY FOR OCTOBER 1981 (contd)

The Ohio State University Development Fund

Establishment of Named Funds

Cheerleaders Scholarship Fund (Varsity cheerleaders)	\$ 10,000.00
The Friends and Alumni of the Ohio- Drake Unions Scholarship Fund (Ohio-Drake Unions activities participants)	\$ 7,000.00
The Class of 1931 Library Fund (University libraries)	\$ 6,500.00
Apiculture Memorial Fund (Apiculture program)	\$ 5,047.00
The Richard Scott Smith Memorial Fund (School of Architecture)	\$ 5,000.00

Report from Presidents Club

Members to date	4,515
1981 members: year to date	130
New members - October 1981	14

New Presidents Club Members - October 1981

Douglas S. Alexander	Thomas E. Kavanagh
Lisa M. Borelli	Elizabeth Minton
Charlene S. Bruce (Mrs. Robert A., Jr.)	Christie Minton
Charles L. Clegg	Cynthia Minton
Antonio Colosimo	James Ward
Leslie A. Golan	Dorothy R. Zimmerman
George A. Johnston, Jr.	(Mrs. Richard S.)
Jeffrey L. Jones	

December 10, 1981 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION

Federal Research Contracts/Grants

\$381,324.00 - Department of Labor, Employment and Training Administration, Washington, D. C., National Longitudinal Studies of Labor Force Behavior, Center for Human Resource Research, Academic Faculty of Labor and Human Resources (M. E. Borus), 1 October 1981 through 30 September 1982. (Project 760081 - Continuation)

\$353,037.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Ohio Statewide Cancer Control Support Development Grant, Cancer Research Center (C. J. Cavalaris), 1 September 1981 through 30 June 1982. (Project 761832 - Continuation)

\$350,000.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, Joint Services Electronics Program, Department of Electrical Engineering, ElectroScience Laboratory (C. H. Walter), 1 October 1981 through 30 September 1982. (Project 760914 - Continuation)

\$280,000.00 - National Science Foundation, Washington, D. C., Establishment of a Center for Welding Research, Department of Welding Engineering (R. B. McCauley), 1 August 1981 through 31 July 1982. (Project 762389 - Continuation)

\$117,946.00 - Department of the Air Force, Rome Air Development Center, Griffiss Air Force Base, New York, Jam Resistant Communications Systems Techniques, Department of Electrical Engineering, ElectroScience Laboratory (A. A. Ksienski and W. D. Burnside), 1 October 1981 through 3 February 1982. (Project 761461 - Continuation)

\$100,000.00 - Department of the Air Force, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, Advanced RCS Reduction, Department of Electrical Engineering, ElectroScience Laboratory (B. A. Munk), 1 October 1981 through 30 September 1982. (Project 762363 - Continuation)

\$85,000.00 - National Aeronautics and Space Administration, Ames Research Center, Moffett Field, California, Use of Computer-Aided Testing in the Investigation of Pilot Response to Critical In-Flight Events, Department of Industrial and Systems Engineering (T. H. Rockwell and W. C. Giffin), 1 October 1981 through 1 July 1982. (Project 762647 - Continuation)

\$74,840.00 - Department of the Air Force, Office of Scientific Research, Bolling Air Force Base, D. C., Chemical Carcinogen-Induced Changes in tRNA Metabolism in Human Cells, Department of Physiological Chemistry (R. Trewyn), 30 September 1981 through 30 September 1982. (Project 762404 - Continuation)

December 10, 1981 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

\$70,773.00 - National Aeronautics and Space Administration, Lewis Research Center, Cleveland, Ohio, Propeller Aero-Acoustic Methodologies - Comparisons of Propeller Performance and Acoustic Analyses with Wind Tunnel and Flight Test Measurements, Department of Aeronautical and Astronautical Engineering (G. M. Gregorek and J. D. Lee), 1 October 1981 through 30 September 1982. (Project 761510 - Continuation)

\$70,000.00 - Department of the Air Force, Aeronautical Systems Division, Wright-Patterson Air Force Base, Ohio, EO Device Signature Reduction, Department of Electrical Engineering, ElectroScience Laboratory (E. Damon), 1 October 1981 through 30 September 1982. (Project 762341 - Continuation)

\$68,413.00 - Department of Education, Office of Higher and Continuing Education, Washington, D. C., Training Educational Leaders for Programs in International Understanding, Mershon Center for Education in National Security (R. C. Remy), 1 October 1981 through 30 September 1982. (Project 762897 - New)

\$67,000.00 - National Science Foundation, Washington, D. C., Wave Propagation and Transport in Heterogeneous Media, Department of Physics (D. G. Stroud and B. R. Patton), 15 October 1981 through 31 October 1982. (Project 762926 - Continuation)

\$64,510.00 - Department of the Navy, Naval Training Equipment Center, Orlando, Florida, Enhancement of Digitized DMA Data Base by Synthetic Detail, Department of Art Education (C. A. Csuri) and College of the Arts - Administration (R. E. Parent), 30 September 1981 through 30 September 1982. (Project 762896 - New)

\$64,000.00 - National Science Foundation, Washington, D. C., Developmental Work on Academic Price Indexes, Office of Finance and Planning (G. W. Baughman), 1 October 1981 through 31 March 1982. (Project 762267 - Continuation)

\$59,465.00 - Department of Education, Office of International Education, Washington, D. C., The Development of Protocols to Help Teachers Understand and Interpret the Acquisition of a Foreign Language Among Secondary School Teachers, Academic Faculty of Humanities Education (E. D. Allen), 1 September 1981 through 31 December 1982. (Project 762891 - New)

\$58,000.00 - National Science Foundation, Washington, D. C., Development and Expression of Bacterial Viruses in Anucleate Cells, Department of Microbiology (J. N. Reeve), 1 November 1981 through 31 October 1982. (Project 761938 - Continuation)

December 10, 1981 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

\$55,000.00 - National Science Foundation, Washington, D. C., Molecular Studies of Genetic Regulation in Neurospora, Department of Biochemistry (G. A. Marzluf), 1 December 1981 through 30 November 1982. (Project 762490 - Continuation)

\$54,733.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, cAMP Inhibition of Macrophage Tumor Cell Cytotoxicity, Department of Medicine (M. S. O'Dorisio), 30 September 1981 through 30 June 1982. (Project 762898 - New)

\$51,685.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, Thymidylate Synthetase Gene Expression, Department of Biochemistry (L. F. Johnson), 29 September 1981 through 31 August 1982. (Project 762903 - New)

\$50,479.00 - Department of the Air Force, Office of Scientific Research, Bolling Air Force Base, D. C., Theoretical Foundations of Software Technology, Department of Computer and Information Science (B. Chandrasekaran, L. J. White, and H. W. Buttlemann), 1 October 1981 through 30 June 1982. (Project 761640 - Continuation)

\$50,008.00 - Department of Education, Office of Special Education and Rehabilitation Services, Washington, D. C., Labor Market Effects of Vocational Education for Handicapped Youth, The National Center for Research in Vocational Education (R. E. Taylor), 15 September 1981 through 14 September 1982. (Project 762904 - New)

\$50,000.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Clinical Center, Bethesda, Maryland, Normal Volunteers for Participation in Medical Research Projects, Department of Microbiology (A. M. Ackermann-Brown), 1 October 1981 through 30 September 1982. (Project 762907 - Continuation)

\$49,991.00 - Department of the Air Force, Office of Scientific Research, Bolling Air Force Base, D. C., Electrocatalysis of Oxygen Using Water Soluble Metal Porphyrins and Chemically Modified Porphyrin Electrodes, Department of Chemistry (T. Kuwana), 1 October 1981 through 30 September 1982. (Project 761254 - Continuation)

\$41,905.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Eye Institute, Bethesda, Maryland, The Color and Brightness Channels of the Visual System, Division of Sensory Biophysics (C. R. Ingling, Jr.), 30 September 1981 through 29 September 1982. (Project 761926 - Continuation)

December 10, 1981 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

\$40,000.00 - National Aeronautics and Space Administration, Lewis Research Center, Cleveland, Ohio, In Search of a Theoretical Foundation for Quantitative Ultrasonic Measurement of Fracture Toughness, Department of Engineering Mechanics (L. S. Fu), 6 October 1981 through 5 October 1982. (Project 761641 - Continuation)

\$38,796.00 - Department of the Interior, Office of Surface Mining, Washington, D. C., Characterization of Ohio Limestones to Determine Potential Use in Control of Coal Emissions, Engineering Experiment Station (C. J. Konya), 30 September 1981 through 29 September 1982. (Project 762917 - Continuation)

\$36,097.00 - Department of the Interior, Office of Surface Mining, Washington, D. C., Fracture Mechanics and Structural Response Investigations Associated with Energy Recovery, Department of Engineering Mechanics (S. H. Advani and T. G. Richard) and Engineering Experiment Station (C. J. Konya), 30 September 1981 through 29 September 1982. (Project 762918 - Continuation)

\$35,000.00 - National Science Foundation, Washington, D. C., Comparative Root Structure of Plants, Department of Botany (R. D. Warmbrodt), 1 November 1981 through 31 October 1982. (Project 762885 - New)

\$32,358.00 - National Science Foundation, Washington, D. C., Statistical Studies of the Genetic Effects Caused by Population Bottlenecks, Department of Genetics (P. A. Fuerst), 1 November 1981 through 31 October 1982. (Project 762925 - New)

\$25,000.00 - Department of Labor, Occupational Safety and Health Administration, Washington, D. C., Development of Occupational Safety and Health Training/Education and Related Assistance Capabilities, College of Administrative Science - Continuing Education (C. J. Slanicka and R. M. Montgomery), 1 October 1981 through 31 October 1981. (Project 761381 - Continuation)

\$23,987.00 - Department of the Interior, Office of Surface Mining, Washington, D. C., Automated Blast Hole Logging and Design, Engineering Experiment Station (C. J. Konya), 30 September 1981 through 29 September 1982. (Project 762916 - Continuation)

\$20,949.00 - Department of Education, National Institute of Education, Contracts/Grants Management Division, Washington, D. C., ERIC Information Analysis Center for Science, Mathematics, and Environmental Education, Academic Faculty of Science and Mathematics Education (R. W. Howe), 1 October 1981 through 31 December 1981. (Project 761083 - Continuation)

December 10, 1981 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

\$20,468.00 - Department of Transportation, National Highway Traffic Safety Administration, Vehicle Research and Test Center, East Liberty, Ohio, Preliminary Development of a Pedestrian Dummy Thorax and Thoracic Simulator, Department of Mechanical Engineering (D. A. Guenther), 1 October 1981 through 10 February 1982. (Project 762594 - Continuation)

\$20,000.00 - Department of Health and Human Services, Public Health Service, Bureau of Community Health Services, Rockville, Maryland, Development and Validation of an Interdisciplinary Screening Tool, Nisonger Center for Mental Retardation (W. E. Loadman and F. A. Benson), 1 October 1981 through 30 September 1982. (Project 762390 - Continuation)

\$19,736.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Synthetic Organic Chemistry, Department of Chemistry (L. A. Paquette and A. A. Leone), 1 October 1981 through 30 September 1982. (Project 762900 - New)

\$19,040.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Immunobiology of Boronated Monoclonal Antibodies, Department of Pathology (R. F. Barth and C. W. Johnson), 1 October 1981 through 30 September 1982. (Project 762893 - New)

\$19,000.00 - Defense Mapping Agency, Hydrographic/Topographic Center, Washington, D. C., Research Related to Inertial Surveying Systems, Department of Geodetic Science (I. I. Mueller), 15 September 1981 through 30 September 1981. (Project 761793 - Continuation)

\$15,810.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Develop a Communications Office and Cancer Information Service, Cancer Research Center (D. S. Yohn), 19 September 1981 through 15 November 1981. (Project 761352 - Continuation)

\$13,075.00 - National Science Foundation, Washington, D. C., Microcomputers in Mechanical Engineering Undergraduate Education, Department of Mechanical Engineering (K. Srinivasan), 15 October 1981 through 31 March 1984. (Project 762910 - New)

\$12,482.00 - Department of Education, Rehabilitation Services Administration, Washington, D. C., Rehabilitation Services Administration Training Program, Department of Communication (E. J. Hardick), 1 September 1981 through 31 August 1982. (Project 760885 - Continuation)

December 10, 1981 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

\$10,200.00 - International Development Cooperation Agency, Agency for International Development, Washington, D. C., A Cooperative Agreement Between the Rural Development Office, Technical Assistant Bureau, Agency for International Development and Agricultural Economics and Rural Sociology, The Ohio State University, Department of Agricultural Economics and Rural Sociology (D. H. Boyne and D. W. Adams), 1 October 1981 through 30 June 1982. (Project 760927 - Continuation)

\$10,000.00 - Department of the Army, Cold Regions Research and Engineering Laboratory, Hanover, New Hampshire, Soil Studies in the Coastal Plain of the Arctic National Wildlife Refuge in Alaska, Institute of Polar Studies and Department of Agronomy (K. R. Everett), 9 October 1981 through 1 June 1982. (Project 762905 - New)

\$8,400.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Studies of the Distribution, Disposition and Metabolism of Antineoplastic Agents, College of Pharmacy (L. Malspeis), 15 September 1981 through 14 September 1982. (Project 761876 - Continuation)

\$7,777.00 - Department of Agriculture, Office of International Cooperation and Development, Washington, D. C., Cooperative Research Linkage for The Ohio State University, Ohio Agricultural Research and Development Center and The University of Sao Paulo, Brazil, International Programs in Agriculture (H. D. Bauman), 1 September 1981 through 31 August 1982. (Project 762420 - Continuation)

\$5,000.00 - National Endowment for the Arts, Washington, D. C., Visual Artists in Columbus, Department of Photography and Cinema (J. R. Green), 1 January 1982 through 31 December 1982. (Project 762909 - Continuation)

\$3,156.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Environmental Health Sciences, Bethesda, Maryland, Detection of DNA Damage Following Exposure to Genotoxins, Departments of Pharmacology and Radiology (S. M. D'Ambrosio) and Department of Medicine (R. Whisler), 1 September 1981 through 31 August 1982. (Project 762787 - Continuation)

\$1,085.00 - Department of Transportation, National Highway Traffic Safety Administration, Vehicle Research and Test Center, East Liberty, Ohio, Laboratory Reconstruction of Pedestrian Accidents, Department of Mechanical Engineering (D. A. Guenther), 1 July 1981 through 30 June 1982. (Project 762688 - Continuation)

TOTAL - FEDERAL RESEARCH CONTRACTS/GRANTS

\$3,105,525.00

December 10, 1981 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

State of Ohio Research Contracts/Grants (contd)

\$75,000.00 - State of Ohio, Department of Mental Retardation Developmental Disabilities, Columbus, Ohio, Continuing Education for Child Care Professionals, Nisonger Center for Mental Retardation (M. J. Guralnick), 28 September 1981 through 28 July 1982. (Project 762895 - New)

\$22,560.00 - State of Ohio, Department of Education, Division of Vocational Education, Columbus, Ohio, A Study of Factors Influencing the Enrollment of Males in Secondary Vocational Education Programs Not Traditional for Their Sex, Department of Agricultural Education (J. A. Knight), 14 October 1981 through 31 July 1982. (Project 762921 - New)

\$9,850.00 - State of Ohio, Department of Health, Columbus, Ohio, Comparing Regulatory Decisions Under the 1122 and the CON Project Review Procedures, School of Allied Medical Professions (P. C. Nutt), 1 October 1981 through 30 September 1982. (Project 762901 - Continuation)

\$7,500.00 - State of Ohio, Department of Health, Columbus, Ohio, MCH and CCS/SSI Nutrition Materials Development, Nisonger Center for Mental Retardation (B. W. Kozlowski and M. J. Guralnick), 15 September 1981 through 30 June 1982. (Project 762902 - New)

\$3,900.00 - Ohio Arts Council, Columbus, Ohio, Support for Great Artist Series at Mershon Auditorium, Mershon Auditorium (T. Van Leer), 1 October 1981 through 31 May 1982. (Project 762913 - New)

\$600.00 - Ohio Arts Council, Columbus, Ohio, Support for Performance of the Paul Taylor Dance Company at Mershon Auditorium, Mershon Auditorium (T. Van Leer), 12 January 1982 through 14 January 1982. (Project 762914 - New)

TOTAL - STATE OF OHIO RESEARCH CONTRACTS/GRANTS \$ 119,410.00

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

\$471,119.00 - University of Cincinnati, College of Medicine, Cincinnati, Ohio, Area Health Education Centers (AHEC), College of Medicine - Administration (G. L. Trzebiatowski), 1 October 1981 through 30 September 1982. (Project 762889 - Continuation)

\$98,296.00 - Associated Builders and Contractors, Inc., Washington, D. C., Painter and Plumber Apprenticeships Curriculum Development for Wheels of Learning Construction Training Program, Academic Faculty of Industrial Technology (D. G. Lux, W. E. Ray, and E. K. Blankenbaker), 1 October 1981 through 15 July 1982. (Project 762908 - New)

December 10, 1981 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

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

\$49,306.00 - The Dow Chemical Company, Midland, Michigan, Synthetic Catalysts with Enzyme-Like Properties, Department of Biochemistry (G. P. Royer), 1 June 1981 through 31 May 1983. (Project 762759 - New)

\$44,415.00 - La Secretaria del Trabajo y Prevision Social de los Estados Unidos Mexicanos through Unidad Coordinadora del Empleo Capacitacion y Adiestramiento (UCECA), Mexico City, D. F., Republic of Mexico, UCECA Planning Project, The National Center for Research in Vocational Education (R. E. Taylor), 15 September 1981 through 15 December 1981. (Project 762919 - New)

\$29,992.00 - Forsvarets Materielverk, Stockholm, Sweden, Computation of the Performance of an Element Antenna Array Mounted on an Aircraft, Department of Electrical Engineering, ElectroScience Laboratory (A. A. Ksienski), 6 July 1981 through 31 December 1981. (Project 762780 - New)

\$29,987.00 - Ford Aerospace and Communications Corporation, Western Development Laboratories Division, Palo Alto, California, A Frequency Sensitive Surface (FSS), Department of Electrical Engineering, ElectroScience Laboratory (B. A. Munk), 16 July 1981 through 16 November 1981. (Project 762883 - New)

\$29,427.00 - The Parker B. Francis Foundation, Hanover, New Hampshire, Application for Fellowship in Pulmonary Research, Department of Medicine (M. E. Whitcomb), 1 July 1981 through 30 June 1982. (Project 761553 - Continuation)

\$18,238.00 - Franklin County Mental Health and Retardation Board, Columbus, Ohio, Enhancement of the Decision Support System, Academic Faculty of Management Science (D. A. Schilling), 28 October 1981 through 31 December 1982. (Project 762923 - Continuation)

\$12,778.00 - The Columbus Foundation, Columbus, Ohio, Alfred L. Willson Conference on Problem Prevention in Early Youth, Academic Faculty of Educational Administration (L. L. Cunningham), 1 November 1981 through 31 October 1982. (Project 762911 - New)

\$12,750.00 - Princeton City School District, Cincinnati, Ohio, Alternative and Recommended Elementary School Housing Plans for the Princeton, Ohio, City School District and Comparative Studies of Staffing, Cost and Program Provisions of Each Plan, Academic Faculty of Educational Administration (L. H. Wagstaff), 1 August 1981 through 31 July 1982. (Project 762915 - New)

\$12,741.00 - Colorado State University, Fort Collins, Colorado, Pathogenesis of Animal Leukemia, Department of Veterinary Pathobiology (J. L. Rojko), 1 September 1981 through 31 October 1981. (Project 762840 - New)

December 10, 1981 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

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

\$12,000.00 - Transamerica Delaval, Inc., Trenton, New Jersey, Electrochemical Reactivity and Stress Corrosion Cracking of Turbine Disc Alloys, Department of Metallurgical Engineering (D. D. Macdonald), 1 October 1981 through 31 December 1981. (Project 761965 - Continuation)

\$11,500.00 - National Glaziers and Glassworkers Industry, Apprenticeship Training and Journeymen Education Fund, Columbia, Maryland, A Two-Day Apprentice Instructor Workshop for the National Glaziers and Glassworkers Industry Apprenticeship Training and Journeymen Education Fund, The National Center for Research in Vocational Education (R. E. Taylor), 1 October 1981 through 15 November 1981. (Project 762912 - New)

\$9,981.00 - W. K. Kellogg Foundation, Battle Creek, Michigan, Kellogg National Fellowship Program, School of Architecture - Administration and Department of City and Regional Planning (S. I. Gordon), 1 September 1981 through 31 August 1982. (Project 762906 - New)

\$9,800.00 - Michigan State University, East Lansing, Michigan, Consortium for the Development of Professional Materials for Vocational Education, The National Center for Research in Vocational Education (R. E. Taylor), 1 September 1981 through 31 August 1982. (Project 762856 - Continuation)

\$8,890.00 - Cedars-Sinai Medical Center, Los Angeles, California, Cooperative Clinical Trial on the Dissolution of Gallstones by Bile Acid Feeding, Department of Medicine (F. B. Thomas and H. S. Mekhjian), 1 September 1981 through 31 August 1982. (Project 762380 - Continuation)

\$8,000.00 - City of Columbus, Department of Finance, Columbus, Ohio, Quality of Working Life Demonstration Effort, Center for Human Resource Research, Academic Faculty of Labor and Human Resources (D. M. Ronchi), 1 July 1981 through 30 June 1982. (Project 760790 - Continuation)

\$8,000.00 - International Labor Organization, Bangkok, Thailand, Thailand Professional Development and Educational Leadership Project, College of Education - Administration (J. J. Buffer), 1 October 1981 through 30 November 1981. (Project 762924 - New)

\$6,000.00 - American Cancer Society - Ohio Division, Cleveland, Ohio, Intraocular Chorioretinal Resection as a Treatment for Choroidal Malignant Melanoma: An Animal Model, Department of Ophthalmology (F. H. Davidorf), 1 October 1981 through 30 September 1982. (Project 762886 - New)

December 10, 1981 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

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

\$5,997.00 - American Cancer Society - Ohio Division, Cleveland, Ohio, Environmental Factors and Wilms' Tumor, Department of Preventive Medicine (J. R. Wilkins, III), 1 October 1981 through 30 September 1982. (Project 762887 - New)

\$5,000.00 - China Council, The Asia Society, Inc., New York, New York, "Out-reach" Program of Information Diffusion, Speaker Series, Film Series, and Other Community Oriented Activities, University Center for International Studies and Department of Political Science (D. M. Lampton), 1 April 1981 through 31 March 1982. (Project 761026 - Continuation)

\$2,000.00 - Cuyahoga Community College District, Cleveland, Ohio, National Alliance of Postsecondary Education Institutions/Districts, The National Center for Research in Vocational Education (R. E. Taylor), 1 July 1981 through 30 June 1982. (Project 761599 - Continuation)

\$1,493.00 - Franklin County Mental Health Board, Columbus, Ohio, Community Worker Project, Nisonger Center for Mental Retardation (F. A. Benson), 1 January 1981 through 31 October 1981. (Project 762450 - Continuation)

\$1,000.00 - American Heart Association, Central Ohio Heart Chapter, Columbus, Ohio, Neural Control of the Peripheral Circulation, Department of Physiology (J. Boulant and D. O. Nelson), 1 August 1981 through 31 August 1981. (Project 762096 - Continuation)

TOTAL - INDUSTRIAL, PRIVATE, AND OTHER NON-FEDERAL RESEARCH CONTRACTS/GRANTS **\$ 898,710.00**

ENGINEERING EXPERIMENT STATION

Industrial and Other Sponsored Research and Development

\$110,323.00 - various industries for 33 development projects under the direction of eight engineering departments and one research area.

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND

Gifts of \$5,000 or More

\$35,309.00 - Mrs. Horatio Ebert, Boca Raton, Florida (1,139 shares of Rubbermaid, Inc., stock), for Cancer Research Fund.

\$24,631.64 - The Grand Chapter of Ohio, Order of the Eastern Star, Danville, Ohio, for Cancer Research Fund.

December 10, 1981 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

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

\$17,000.00 - Grange, Columbus, Ohio, for WOSU Support Fund.

\$10,000.00 - Dr. Dorothy J. Knull, Columbus, Ohio, for Josef N. Knull Memorial Fund in Entomology.

\$10,000.00 - Union Carbide Corporation, Tarrytown, New York--\$5,000.00 for Union Carbide Corporation Fellowship and Grant-in Aid Fund in Chemical Engineering and \$5,000.00 for Union Carbide Fund.

\$7,500.00 - Ohio Turfgrass Foundation, Columbus, Ohio, for Bio-Catalytic Soil Conditioners Research Fund.

\$7,500.00 - The Leo Yassenoff Foundation, Columbus, Ohio, for Student Athlete Grant-in-Aid Fund.

\$6,085.35 - Moffitt Royalty Trust, San Antonio, Texas, for Melvin E. Moffitt Memorial Trust.

\$5,000.00 - The Duriron Company, Inc., Dayton, Ohio, for Duriron Company Metallurgical Engineering Scholarship Fund.

\$5,000.00 - Walter and Marian English Foundation, Columbus, Ohio, for Photography Gallery Development Fund.

\$5,000.00 - The N. C. R. Foundation, Dayton, Ohio, for The Ohio State University Campaign for China Exchange.

\$5,000.00 - Peat, Marwick, Mitchell and Company, Columbus, Ohio, for Peat, Marwick, Mitchell Discretionary Fund.

\$5,000.00 - Retinal Consultants, Inc., Columbus, Ohio, for Retina Research Fund.

OFFICE OF HEALTH SCIENCES

Establishment of Named Funds

The Ohio State University College of Optometry Progress Fund

The Ohio State University College of Optometry Progress Fund was established December 10, 1981, by the Board of Trustees of The Ohio State University with funds made available from The Ohio State University Optometry Clinic, to receive gifts from alumni and the public.

December 10, 1981 meeting, Board of Trustees

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

OFFICE OF HEALTH SCIENCES (contd)

Establishment of Named Funds (contd)

The Ohio State University College of Optometry Progress Fund (contd)

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

The annual income is to be used for those purposes which will aid the instructional and research programs in the College of Optometry, with priority given to those activities which will improve clinical instruction and practice. In the event that, with additions, the endowment becomes sufficiently large, it may also be used to help fund a professorship or chair. The income from this fund is specifically not to be used for scholarships or fellowships. The Vice President for Health Sciences and the Dean, College of Optometry, will have sole authority to approve expenditures from the fund.

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND

Cheerleaders Scholarship Fund

The Cheerleaders Scholarship Fund was established December 10, 1981, by the Board of Trustees of The Ohio State University with the award for winning the National Collegiate Cheerleading Championship by the 1980-81 Ohio State University Cheerleading Squad.

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

The annual income is to be used to provide scholarship assistance to one or more undergraduate students actively participating in varsity cheerleading. Students who have demonstrated academic ability and the need for financial assistance should receive first consideration. Selection of the recipient(s) is to be made by the University Scholarship Committee upon the recommendation of the Director of Athletics. If, in any year, there are no applicants for this award, the income may be used at the discretion of the Director of Athletics.

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

December 10, 1981 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

Establishment of Named Funds (contd)

The Friends and Alumni of the Ohio-Drake Unions Scholarship Fund

The Friends and Alumni of the Ohio-Drake Unions Scholarship Fund was established December 10, 1981, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from friends and alumni of the Ohio Unions.

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

The annual income is to be used to provide scholarships for students participating in Ohio-Drake Unions' activities who have demonstrated a need for financial assistance. The selection of the recipient is to be made upon the recommendation of the Director of the Ohio Unions in cooperation with the University Scholarship Committee and the Board of Governors of the Ohio-Drake Unions Activities Alumni Association.

Should the need for these scholarships cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for the Ohio Unions' activities.

The Class of 1931 Library Fund

The Class of 1931 Library Fund was established December 10, 1981, by the Board of Trustees of The Ohio State University with gifts from members of the Class of 1931 in honor of the 50th anniversary year.

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

The annual income is to be used to provide acquisition funds for The Ohio State University's library system, toward the purchase of such items as rare books, special collections, and other necessary materials. Funds will be allocated by the authority of the Director of the University Libraries.

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

December 10, 1981 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

Establishment of Named Funds (contd)

Apiculture Memorial Fund

The Apiculture Memorial Fund was established December 10, 1981, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from interested persons and from the estate of William A. Stephen, Worthington, Ohio.

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

The annual income is to be used for the Apiculture program in any one or all of Resident Instruction, Research and Extension through the Discretionary Fund of the Dean of the College of Agriculture and Home Economics. Use of the funds is to be determined annually by a joint committee consisting of the Dean of the College of Agriculture and Home Economics, the Chairman of the Department of Entomology, and the Senior Professor of Beekeeping. Any income not used in a given year will be added to the principal to increase the amount available for use in succeeding years.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the Dean of the College of Agriculture and Home Economics.

The Richard Scott Smith Memorial Fund

The Richard Scott Smith Memorial Fund was established December 10, 1981, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from family and friends of Mr. Richard Scott Smith of New Canaan, Connecticut.

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

The annual income is to be awarded to one or more students in the School of Architecture. Recipients will be determined by the established procedures within the School of Architecture, with preference given to students with demonstrated financial need and leadership qualities.

Should the need for this fund cease to exist or so diminish as to provide unused income, the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the School of Architecture.

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PLANS AND SPECIFICATIONS

Resolution No. 82-56

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

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

UNIVERSITY HOSPITAL RECEIVING DOCK MODIFICATIONS

Project: Replace deteriorated dock, install additional covered dock and replace housing for refuse conveyor and compactor controls.

Funding: Budget Account 885105

Estimated Project Cost: \$94,185.00

WOODRUFF AVENUE, REPAIR/REPLACE CURBS AND SIDEWALKS

Project: Repair of curbs and sidewalks on the north side of Woodruff Avenue from Neil Avenue to High Street. This is necessary due to deterioration.

Funding: Budget Account 210134

Estimated Project Cost: \$35,500.00

NOW THEREFORE

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

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

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

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December 10, 1981 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACTS AND
ESTABLISHMENT OF CONTINGENCY FUND**

Resolution No. 82-57

Synopsis: Contracts have been awarded for the project listed below to the lowest and best bidders in accordance with University procedures.

WHEREAS resolutions adopted by the Board of Trustees at previous meetings authorized the President and/or Vice President for Business and Administration to sign the plans and specifications and, in accordance with established University procedures, to request bids and, if satisfactory bids were received, to recommend to the Department of Administrative Services, Division of Public Works, the award of contracts for the following project:

BULK CHEMICAL WAREHOUSE

Description: This project will provide space to house a bulk chemical warehouse, laboratory reagent manufacturing facility, and a low-level radioactive waste processing facility to prepare the materials for shipment to disposal sites in accordance with Federal and other regulations.

General Contract

Date Received:	October 8, 1981
No. of Bids:	14
Low Bid:	\$ 558,900.00
High Bid:	\$ 743,998.00
Estimate of Cost:	\$ 732,064.00
Awarded to:	M & P Construction Company, Inc., Blacklick, Ohio

Plumbing Contract

Date Received:	October 8, 1981
No. of Bids:	11
Low Bid:	\$ 109,500.00*
High Bid:	\$ 160,000.00
Estimate of Cost:	\$ 87,069.00
Awarded to:	A-1 Plumbing and Heating, Inc., Columbus, Ohio

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

December 10, 1981 meeting, Board of Trustees

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

BULK CHEMICAL WAREHOUSE (contd)

Fire Protection Contract

Date Received:	October 8, 1981
No. of Bids:	5
Low Bid:	\$ 98,450.00*
High Bid:	\$ 168,335.00
Estimate of Cost:	\$ 94,626.00
Awarded to:	Fire and Safety Equipment Company, Washington Court House, Ohio

Heating, Ventilating and Air Conditioning Contract

Date Received:	October 8, 1981
No. of Bids:	10
Low Bid:	\$ 218,800.00*
High Bid:	\$ 262,000.00
Estimate of Cost:	\$ 172,154.00
Awarded to:	Radico, Inc., Columbus, Ohio

Electrical Contract

Date Received:	October 8, 1981
No. of Bids:	9
Low Bid:	\$ 198,975.00*
High Bid:	\$ 256,874.00
Estimate of Cost:	\$ 197,496.00
Awarded to:	Meisner Electric, Inc., Dublin, Ohio

*Fire Protection, HVAC, and Electrical Contracts are in excess of filed estimate of cost; however, the total price of all contracts is within the total estimate of cost and is recommended for award as provided by Section 153.12 of the Revised Code.

December 10, 1981 meeting, Board of Trustees

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

BULK CHEMICAL WAREHOUSE (contd)

Total All Contracts:	\$1,184,625.00
Total Contingency Allowance:	\$ 49,401.12 which is 4 per cent of construction contract
Total Project Cost:	\$1,382,600.00
Funding:	Budget Account 882046

NOW THEREFORE

BE IT RESOLVED, That pursuant to the actions previously authorized by the Board, the award of contracts and the establishment of project funds and a contingency fund for the project listed above are hereby reported.

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

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AUTHORITY TO ACQUIRE TITLE TO GIFTS

Resolution No. 82-58

Synopsis: Authority to acquire title to gifts is requested for the month of December, 1981.

WHEREAS The Ohio State University Development Fund has had inquiries from potential donors who are considering making gifts to the University prior to December 31, 1981; and

WHEREAS the next meeting of the Board of Trustees will not be until after December 31, 1981:

NOW THEREFORE

BE IT RESOLVED, That the Chairman of the Fiscal Affairs Committee of the Board of Trustees and the President and/or Vice President for Business and Administration be authorized, during the period from December 1, 1981 through December 31, 1981, inclusive, to acquire title in the name of the Board of Trustees to such gifts that they determine, after appropriate review and evaluation, to be in the best interest of the University; and

BE IT FURTHER RESOLVED, That such gifts made on or before December 31, 1981, be accepted as gifts to the University through the Development Fund from the respective donors; and

December 10, 1981 meeting, Board of Trustees

AUTHORITY TO ACQUIRE TITLE TO GIFTS (contd)

BE IT FURTHER RESOLVED, That these gifts be reported to the Board of Trustees at its next meeting.

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

President Jennings:

In association with this action, while all the details have not been worked out yet, we do have at this stage--we will be announcing very shortly that Mr. William H. Davis, prominent Columbus businessman and philanthropist, will be providing an additional \$250,000 to the College of Medicine. This is a continuation of his previous donations for the William H. Davis Scholarship Fund for Basic Medical Research, and I would just like to recognize Mr. Davis' great contributions to The Ohio State University at this stage. It is gifts of that nature that represent the margin of excellence for this University. We will get the legal activity worked out in the next few days, and with this authority we will be able to accept this gift before the close of this calendar year.

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REPORT - SITE LOCATION FOR CANCER INSTITUTE HOSPITAL

President Jennings:

We do have one more report. As you know, the legislature recently passed the Capital Budget for Ohio State amounting to \$90 million. We would like to get on with those individual projects and one of the major projects is the Cancer Hospital. I would like at this stage for our people to present to you some of the basic concepts they are dealing with right now in terms of location of that Cancer Hospital. This is very preliminary work at this stage, and this same material will be presented to the Hospital Board next week for their recommendation to you. But I thought it worthwhile at this stage to present to you some of the preliminary thinking on this so that we might be able to move forward on this at the February meeting after we have received recommendations from the Hospital Board. Dr. Cramblett, perhaps you could get us started on the locational aspects of this Cancer Hospital.

Dr. Cramblett:

Mr. Chairman and members of the Board, Mr. Curtis Inscho, who has been the principal architect for many of the projects in the Health Sciences Center, has done considerable staff work for us in looking for potential sites. Obviously the siting of the Cancer Hospital will impact the program and the program requirements will impact the siting. So it is a terribly important decision to be made. I would like to introduce at this point Mr. Inscho for presentation; Mr. Hahn, who is assistant vice president in our office, who will also assist with the presentation.

REPORT - SITE LOCATION FOR CANCER INSTITUTE HOSPITAL (contd)

Mr. Inscho:

I feel a little humble after that presentation from computer graphics. I would like to evidence the fact that I'll be the first student in the class when you organize those. I would like very much to be able to take this Cancer Hospital and by flipping a switch, move it all over campus. If I were to draw it that way, believe me, it would take me the next ten years, and then impossible almost to have it this way. So, we're back to the olden days of presentation, some visual supports I think might be of some help to you. First of all, I imagine you're pretty well oriented, Neil Avenue here, University Hospital, Rhodes Hall here, Upham Drive, Cannon Drive, the parking ramp, University Hospital Clinic, Means Hall, Upham, Postle, Starling-Loving, the Library and the Administration Building. So we are talking about this general area as potential sites or places for the Cancer Hospital. I tried to set up, and I'm going to go very briefly through this so that if you have any questions or things that I'm missing or more information you want on any particular site, please don't hesitate to interrupt me.

Basically starring some eight major considerations with regard to the location of the Cancer Institute Hospital:

1. Public visibility.
2. Pedestrian and vehicular access.
3. Availability of parking.
4. Direct access to hospital facilities. Perhaps I should expand on that just a little bit to tell you what I mean. In Rhodes Hall and University Hospital, the center complex here, we feel are already existing with sufficient capacities for receiving, storage, food service, administrative areas, and certainly the big diagnostic areas of the 2nd, 3rd, and 4th floors housing the radiology department, laboratories, pharmacies, surgeries, and that type of facilities. These are all vitally important to the Cancer Hospital itself, and certainly in the way of economics we don't want to have to duplicate them, nor really could we within the budget we have in a Cancer Hospital, be it located wherever. So, as close to or adjacent to--as near as we can get the Cancer Hospital and its functions to those facilities already existing, and sufficient to handle the additional load, the better off we are. So, that becomes then a very important one, I think, a direct access to the hospital facilities.
5. Disruption during construction. I think it is also an important one. Primarily I think that was capitalized in this group to show the hospital I am concerned--or whoever is going to do this job should be concerned--with what we're going to do to the day-to-day operations of that hospital while all of this is going on. It's a four to five year program from now until the time we have patients in that building. So that anything that's going on in a way that would totally disrupt the operation of the hospital would be a very serious thing.

REPORT - SITE LOCATION FOR CANCER INSTITUTE HOSPITAL (contd)

Mr. Inscho: (contd)

6. Access to Radiation Therapy. Radiation Therapy, as you know, is a part of that Capital Improvements Budget--the funds are available for planning only. But, we feel that there is a very direct relationship with the Cancer Institute Hospital and the new facility proposed for Radiation Therapy, so that we may hopefully--those two projects can be designed together, if not built together, but certainly wind up together. The patients in the Cancer Hospital and also the research and diagnostic facilities, and the treatment for outpatients and so on are thoroughly dependent upon the Radiation Therapy facilities being adjacent to them.
7. The effect on the project cost of the location. I mentioned the duplication of expensive services, and certainly those things I mentioned, of laboratories, surgeries, radiology departments, and so on are the really most expensive part of most any hospital. So it does have an effect on cost.
8. Adequacies for future expansion is important because there isn't any doubt in my mind, and I'm sure none of the other people's, that once this center is established, that it will be drawing and it will be enlarging, it will be increasing, and one of these days there will have to be additions to it. So the site itself should have the capacity for expansion. Those are the major considerations. There are hundreds more.

Now in order to arrive at the sites, we quickly identified five or six sites, or potential locations for this project. And, of course, the first thing that had to be done as far as I'm concerned, is to decide how much space are we talking about, how much area is this building actually going to take. So we took a Cancer Hospital with no attempt to design the building--that's not my charge; my charge is that, to select a site. But it is pretty difficult to have a site consideration without knowing what kind of building you are going to have, or the size. We did develop what we thought would be necessary for a typical patient floor. We'll probably have five of them or so, but that typical patient floor, housing the nursing facilities for the patients, created the basic size overall of the building. That was determined to be about 18,000 square feet. So, as you work down, that building requires a minimum of siting of 18,000 feet on the ground. So, with that in mind, we began to analyze the various sites we thought were worthy of consideration to see what would happen.

So we come back to Site No.1, which is located just west of Rhodes Hall, south of Means, and north of the Clinic, east of the parking ramp. You are familiar, I am sure, with that particular area. Now, 10th I think runs through there. It is the emergency entrance to Rhodes Hall; it comes around through here, underneath. So in just taking that, this area No.1, very quickly, a ground floor unit--here again is the Clinic, Means Hall, Rhodes Hall, the parking ramp. In order to get our

REPORT - SITE LOCATION FOR CANCER INSTITUTE HOSPITAL (contd)

Mr. Inscho: (contd)

18,000 square feet building into there, we would go literally from University Clinic to Means Hall, and pretty much a big hunk of that space, requiring the elimination of the road through, we can take the emergency entrance and roads down around this way to get by that problem, but it does close that entire space.

You say, 'Well, what kind of an outlook do we have if we have a patient floor area here?' We're looking really at the back end of the Clinic. The Clinic now is a six story building; it was designed and planned for five additional floors, bringing it up to eleven floors, which is the height of Rhodes Hall and University Hospital. So here we would be just too crowded in that particular place. It just isn't the area. So that is one of the major things, the public visibility, you can say, fair, from Upham Drive along here it has good visibility from the parking ramp, adjacent to that, that part of it would work out fine, the direct access to the hospital facilities, it exists now from Means Hall across to Rhodes Hall on the second floor. There is a bridge across the roof of Rhodes Hall, if you recall, or remember. We would have to then build additional levels of bridges to connect to Rhodes Hall to satisfy the movement of patients from the Cancer Hospital to Radiation Therapy or to Radiation Therapy and X-ray departments existing on the second floor of Rhodes, and certainly the fourth floor surgeries and so forth. So probably the effect on the cost of this particular site versus someplace immediately adjacent or some other site, would be the cost of bridges, perhaps at two or three levels.

Go back to the Site No. 2, which is up in this area. We have, and these are very schematic, very quick things but I think they will show you what our thinking is up to now. There are many more details later that we will go over, but we'll let that go till another time, or if you wish, I'll be available from now on to discuss any one of them in more detail that you would like. If we take Site No. 2, between Bioscience-Wiseman Hall, north of Upham, and north of 12th Avenue, now a parking lot. There is adequate ground there. Again, the public visibility off of 12th Avenue could be (it's an independent building); it has its own architectural identity as such, or could. And come back to the traffic, the parking would be adequate, satisfactory. Now, again, that access to the hospital, access to the existing facilities right here, this piece of ground is ten feet lower than this; it is twenty feet lower than out in front of Rhodes, so we are down on lower levels, so we would have to build above ground bridge connections, from this building down to this building, through the University Hospital in order to get in and utilize all the services we have already constructed. So this does create a rather sizable additional project cost, ranging anywhere from a million to two million in the building of those bridges, bridging 12th Avenue and so on. It's quite a haul for everything. If we've concentrated all of the activities within the hospital and they are sufficient in size and area, to accommodate this building, we've got a long walk. The laboratory technicians who are going for blood samples, make that walk. The patients make that trip going and coming from surgery. So it just seems to me a little too far out.

December 10, 1981 meeting, Board of Trustees

REPORT - SITE LOCATION FOR CANCER INSTITUTE HOSPITAL (contd)

Mr. Inscho: (contd)

Now there have been many suggestions, and I got to admit that my first attempt to tackle this problem started off in Site No. 3. Why? It is right adjacent to the north end of the University Hospital. Boom, just feed right into it--totally. However, the more you get into it, the more problems I've found. Let me tell you just a few of them. First of all, as you know this is our receiving dock. A receiving dock right now comes off of 12th Avenue in here and into this whole area. There's a loading dock all the way across here. This is the receiving, storage, linens, all types of receiving comes in off this dock. Right now (we have found this out a few years ago) when we were making some studies of utilization of existing University Hospital, that there was already a tremendous shortage of receiving-storage type space, particularly all in one spot. There is a lot of storage, but it is sort of scattered all over. So if we attempt to build here, we have wiped out our receiving and loading dock areas in order to build a building in here. So we say, 'Okay, let's leave that in here, and we'll build on top.' Well, now what we have done, we've increased the scope of our project not only to include a Cancer Institute Hospital, but we're also going to create a receiving area, loading docks, maintenance shops; things that are not very glamorous when you think of hospitals and hospital buildings. But believe me, the shop activities, the storage and receiving of supplies, is unbelievable, so we have to recognize it as an important part of a function of a hospital. So I don't think we can ignore that.

The planning that we tried to do within that area in order to say, 'Can we get it in there?' Well, yes, we can get it in there. You can do almost anything these days, but what would happen? Well, we would have our entrance to the Cancer Hospital; this is a ground floor on the back side entrance to the Cancer Hospital from 12th Avenue on the north. These are the additions to Radiation Therapy which I mentioned before so that up on the first floor, we would have the outpatient departments over the cancer area. We come to the second floor; again, outpatient treatment, research-type facilities of cancer, this would be additions to Radiation Therapy adjacent to the second floor of Rhodes Hall, which has all of our X-ray department here.

Then the tower of the patient tower would rise at this particular location. So thinking now that we have five or six floors of patients and where is their vision? Out here to the back end of the hospital here, 20-30 feet across the fence here, 30 feet across the fence over here, and we are looking to sit on top of the loading docks, looking in the back end of Upham and Means Halls. So looking from the standpoint of public visibility, I think it leaves a lot to be desired.

And immediately, somebody coming to the Hospital--and it seems to me that every time I walk anywhere near around that area, I get stopped at least twice by people saying, 'How do I get to someplace?' And it isn't easy to answer that. I've tried and I direct and so on, but what would I say here; I'd say, 'It's around back.'

December 10, 1981 meeting, Board of Trustees

REPORT - SITE LOCATION FOR CANCER INSTITUTE HOSPITAL (contd)

Mr. Inscho: (contd)

Now, I'm out in the front of Rhodes--where is the Cancer Hospital? It's around in back. I don't think that quite has the visibility, the public visibility, that a building of this magnitude should have. So I kind of got away from this thing as not a workable solution at all to our problem. We're not only increasing our scope of our project, thus reducing the amount of money available for the Cancer Center, but I think we have it oriented in such a way that it's just not acceptable for a major project of this type.

Well, then we are back to No. 4 and No. 5 which is the next logical step. We've hooked on to the back of the University Hospital. This is what we call a north wing. It stops right here. This area is eleven stories high. This is two stories. Let's go out from here so we have a connection in here, and we connect on eleven floors if we want to. So we go on the back end. Then, we say, 'Well, let's go to the extreme and eliminate 12th Avenue going through--take 12th Avenue and turn it up someplace else; deadend 12th Avenue back in here--so that we could physically connect the existing hospital to the new hospital.' What does that do for us? Well, all right, here is our 18,000 square feet. This is no problem. We can get it into there. We can expand our Radiation Therapy potentially when that money comes along, and certainly, the planning, again, as I say, should be done together right adjacent to the existing Radiation Therapy. We've got a nice separate entrance for outpatients coming into Radiation Therapy. That's good; there is a lot of it. We've got an entrance coming down 12th Avenue to get into the Cancer Institute Hospital. (Neil Avenue is right here, so where we are is at this site). So if our main entrance, you say, 'Where is the Cancer Hospital?' Well, you go up Neil and you turn in 12th and there it is back there. There is a turnaround and you can go back out or you can go back in here. But we're in here between Wiseman, Water Resources, the Greenhouses (which are here to actual scale as they are). This is Postle Hall which is Dentistry. Right here is the trash pick-up area of Postle Hall, the back of Postle. This is the only place we had to get into and out of the Cancer Hospital. So, again, I think the public visibility of around back there is kind of lost because our Hospital is down here. Here's our main entrance and somehow or other it should be developed into and tie into it.

So, then we say, 'Well, if we left 12th Avenue and let's just put a little hook in 12th Avenue and connect it back here so that it sort of sits back there as a separate entity and doesn't just make this long string that we had on the other drive.' Leave 12th this way and let 12th Avenue go all the way through so you get to the building from this end or this end, which gives it a little better, I think, reflection and connotation than back over here coming in only from Neil so we can get in from both sides.

Again, if the building were here, we'd have a turnaround out here and so forth. In here would be the Radiation Therapy additions--again in here. If this building were here sited, for example--and don't worry too much about the shape, it's a block of 18,000 feet--actually it's a couple of nursing units here, but that's a detail for the physical planning of those buildings which is going to come along at a later date.

December 10, 1981 meeting, Board of Trustees

REPORT - SITE LOCATION FOR CANCER INSTITUTE HOSPITAL (contd)

Mr. Inscho: (contd)

But the distance to travel--where we want to get to is here at Broad and High for connections. This is the existing elevator bank in the east area of University Hospital; present entrance of University Hospital over here; entrance to Rhodes over here. The services we are talking about is in this particular area; most of them oriented to entry at this end. So if we make the comparison here--so we're talking distances, and this brings in bearing Site No. 5, so that this building sited here adjacent to the east end of University Hospital gives you a direct flow from there to the working areas of University and Rhodes. Now, surgeries, the entrances that are in here--can get in here; radiology, the same way; laboratories and all of those things, so that your access is rather direct across there. You get the same direct access back here except that it is a couple hundred feet shorter or longer back here.

So these were the major concerns with these five sites that we've identified here, or six. We had a look--I didn't bring any drawings because I didn't think it would do anything that some of these others we haven't talked about. The big problem down here or anywhere in this area is, again, the connections and the getting up to the main parts of the one utilized. Somebody says, 'Let's go across the river.' If--or back down west of Cannon, anywhere--if we go anywhere down into there, it means almost automatically duplicating \$20 million worth of services that we've already got here. Now that sounds like a fantastic figure, but believe me, when you start building food services, laboratories, pharmacies, X-ray departments, surgeries, and all that type of thing, we're talking about an awful lot of money. And it just isn't in the cards that we walk away from that which we have in adequate supply, and I'm not sure on the programming of Rhodes, but I think George could verify the fact that in the original planning of those buildings were the increased capacities, able to take care of the new cancer unit, because we have been talking about this for years. So that these facilities are here and it just doesn't make any sense to walk away and leave them there.

So we go from there to say, 'Well, what would happen in this area?' We're all concerned as we should be with green areas and green spaces. We've got a real nice one in front of--north of--Hamilton, Starling-Loving, and south of Postle--this area right here. It is very nice. I think it could be better, but it's real nice right now. It's green and there are lots of trees. The identity of this building--and at the time we were doing these drawings, we did not have a program, a program had not been developed; they've been working on one. I've seen a draft of that program within the last week or two, and it doesn't change, as far as I'm concerned, that basic area of the 18,000 feet roughly, and some of the emphasis on entrance and service and the delivery of outpatients who come into these particular treatment facilities for treatment, maybe as much as three or four times a week for an hour, for maybe thirty treatments. So you will have outpatients coming in almost continuously. So they should be able to get into these facilities and out, not through the front door. So it's pretty important to have the circulation. Ingress

REPORT - SITE LOCATION FOR CANCER INSTITUTE HOSPITAL (contd)

Mr. Inscho: (contd)

and egress have been studied out pretty thoroughly, and it will be done later on in the physical planning. This would say this building, in that shape as you remember, again opened up on the first floor similar to Rhodes, similar to the Library, so you do get some vision through it. So we are trying to relate this to be a part of University Hospital, but a separate entity; then you could have the entrance or the access to this or so reflect some of Postle, and I think it's important to think of the future expansions of these areas. I mentioned that the Clinic was designed to accommodate five additional floors. This Library is designed to accommodate two additional floors; this little area of optometry is designed for five additional floors; this new--the latest wing of Postle Hall is designed for two additional floors. So that some of the expansion of the areas around here are not going to be horizontal; they'll be vertical. And I think that's good because that doesn't eat up any more of our green or our land spaces. So basically this is the areas that are developed around the potential sites that we have available. Now, let me quickly stop for a minute and what can I tell you more--and I could spend, believe me, a few more hours if you wanted to get into more details.

Mr. Devenow: I don't think we do.

Mr. Inscho: I'm sure you don't.

Mr. Devenow:

I want to thank you very much. It is quite a problem, and, Jim, we'll be looking to the Hospital Board for recommendations on this thing. I think they ought to get into detail, it's too complex for us to get into at this point.

Mr. Hilliker: That Board you don't have to worry about. They'll give them the details.

President Jennings:

Well, I think that, Mr. Chairman, very important that the Hospital Board is looking into that, and we need to share this with the entire community as the Hospital Board begins to look at that. This, of course, is going to be one of the major projects in the years to come. But it is also going to be one of the major national centers for research in cancer, our most dreaded disease, and I think that constructing a building here we are setting the stage for a center of excellence that is going to be unmatched in the nation and perhaps in the world. I think as we get down on this all the work, it will be long and complicated, but it is going to be worth it in the long run when we have the center of excellence.

Mr. Devenow: Thanks very much.

President Jennings:

Do you have anything else, Mr. Chairman? That concludes my report.

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December 10, 1981 meeting, Board of Trustees

STATEMENT BY CHAIRMAN OF BOARD OF TRUSTEES

Mr. Devenow:

I would like to make a statement before I ask for the adjournment. When Dr. Jennings came to The Ohio State University on September 1, he brought to the presidency an outstanding record as educator and administrator, and a demonstrated capacity for excellence and professional achievement. In recognition of the importance of this appointment, the formal conferring of authority on Dr. Jennings as the tenth President of The Ohio State University at an appropriate occasion is a matter which deserves the attention of not only this Board but of all members of the University community as well as the various other constituent groups.

In keeping with the history and traditions of colleges and universities, it is the wish of this University to entrust the Office of President to Dr. Jennings in a formal public setting and with ceremonial proceedings judged to be consistent with the customs and traditions of the academy.

In discussing this matter with the President, we have agreed that the ceremony for his investiture should take place during the week of March 8, 1982. So that we may move forward with the development of the requisite and necessary plans for this most important occasion, I am asking that the Secretary of the Board of Trustees serve as the designee of this Board to work with the President and any committees as may be appointed by the President to coordinate this effort. I would like to have your concurrence for this Board to specify that funds to defray expenses in connection with the President's inauguration shall be made available from the unrestricted endowment accounts of the University.

Upon motion of Mr. Smith, seconded by Dr. Jacob, the Board of Trustees approved the foregoing recommendation by unanimous roll call vote.

President Jennings:

Mr. Chairman, I would just like to say, in connection with that inauguration I have asked the Search Committee that you appointed on recommendation of the University Senate to act as the committee on that inauguration. And I want to say I certainly appreciate this Board's recognition and support in the context of establishing a date for the inauguration as well as the salary decision you made a few moments ago. I, for one, thank you for that and am very much appreciative of your support as we tackle some of these major problems in the institution.

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December 10, 1981 meeting, Board of Trustees

REPORT - UNIVERSITY'S INVESTMENT PORTFOLIO

Resolution No. 82-59

RESOLVED, That the report on the University's Investment Portfolio, dated November 20, 1981, as submitted to the Fiscal Affairs Committee of the Board of Trustees, be received and filed with the official records of the Board.

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Thereupon the Board adjourned to meet Friday, February 5, 1982, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, at 1:30 p.m.

Attest:

Madison H. Scott
Secretary

Chester Devenow
Chairman

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THE OHIO STATE UNIVERSITY
OFFICIAL PROCEEDINGS OF THE
ONE THOUSAND ONE HUNDRED AND SEVENTY-SIXTH MEETING
OF THE BOARD OF TRUSTEES

Columbus, Ohio, February 5, 1982

The Board of Trustees met at its regular monthly meeting on Friday, February 5, 1982, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, pursuant to adjournment.

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

* * *

Minutes of the last meeting were approved.

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February 5, 1982 meeting, Board of Trustees

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

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

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

REPORT - THE NATIONAL CENTER FOR RESEARCH IN VOCATIONAL EDUCATION

The President called on Provost Reynolds to introduce Dr. Taylor for a report on The National Center for Research in Vocational Education.

Provost Reynolds:

Thank you very much. I think many of you already know Dr. Robert Taylor who is Executive Director of The National Center for Research in Vocational Education. Dr. Taylor was the guiding force in arranging to have the National Center developed and in obtaining Federal funding for it. He was actually the initiator for the National Center. Dr. Taylor also serves as Associate Dean in The Ohio State University College of Agriculture and Home Economics and also has an appointment in our College of Education. His most senior academic degree is from The Ohio State University; his bachelor's and master's degrees were awarded by the University of Arizona. Dr. Taylor's activities take on a wide international sphere; as well, he was one of five national leaders designated by the U. S. Office of Education and Department of State to study vocational education programs in Russia. He has also traveled and consulted extensively in Europe, North and South America studying national training and vocational systems. He has published widely, but I think the real reason we wanted him to present to you today was to bring you up to date both on initiatives occurring currently in The National Center for Research in Vocational Education and also to apprise the Board concomitant to our difficulties with State funding we are experiencing some real struggles in an effort to have our Federal funding continue at levels that are necessary to support our programs.

Dr. Taylor:

Thank you Ann, Chairman Devenow and President Jennings, and Members of the Trustees:

I appreciate this opportunity to give you a brief update on the National Center. I last appeared before you when we received our \$25 million grant in 1978 and as we approach our 17th year, hopefully we can apprise you of our status, our directions, and comment on some of the impact of Federal R&D policy on our operation.

You will recall that we are unlike other units on campus that are organized along disciplinary lines. We are an interdisciplinary organization focusing on a mission

February 5, 1982 meeting, Board of Trustees

**REPORT - THE NATIONAL CENTER FOR RESEARCH IN
VOCATIONAL EDUCATION (contd)**

Dr. Taylor: (contd)

that deals with the planning, preparation, and progression of individuals for careers. We carry out our mission in terms of generating knowledge through research, developing educational products and programs, evaluation, providing information for national planning and policy, installing education programs and products, operating national information systems and services and conducting leadership development and training activities. We work with all types of vocational education, not just the public school programs in the high schools and community colleges, but with other types such as apprenticeship, with five international labor unions, with industry sponsored training, with training conducted through private trade and technical schools, special institutions, and others.

Since our beginning in 1965, we have brought some \$88 million to campus and just last week signed our fifth year contract on the main National Center contract in the amount of \$4.8 million. We have contracts in force of \$9.4 million. We have a number of proposed grants and contracts outstanding and we believe by July 1 we should have contracts in force approaching \$15 million. We are funded through a number of Federal agencies and also through private sources as well as the states and other institutions. About 70 per cent of our current funding comes from various sectors of the Federal government. We think with our expansion in the international field and our continued emphasis on diversification that we will be able to bring the Federal portion of our funding down to the neighborhood of 60 per cent.

We have conducted a number of research and development projects, and our products catalog lists approximately a thousand reports. I just wanted to share with you one research activity that went on over a number of years that focused on the preparation of vocational teachers that is now being used in all 50 states, all Canadian provinces, and 32 foreign countries. We estimate that some 100,000+ teachers have been prepared using these Performance Based Teacher Education materials. They are also being used by a number of private industries, and by other areas of government such as Defense, Agriculture, Commerce, and others in their training programs.

Just to give you some sense of outreach, during the 1981 year we served 50,000 information requests. We operate the National Information System for Vocational, Career, and Adult Education and we have a number of other clearinghouse activities, including one that we expect to be starting shortly for the Department of Labor in their Job Corps operation. We have a large number of visitors and others that draw on and look upon the National Center as an information source, both nationally and internationally. Additionally, in terms of outreach, ten of our projects last year had some 93 field sites where we had staff working collaboratively with institutions, such as state departments of education, local schools, community colleges, universities, and others and were involved in field activities in some 57 states, territories, and districts. Last year the National Center received some 1,380 people representing 52 different states and 45 foreign countries. I

February 5, 1982 meeting, Board of Trustees

**REPORT - THE NATIONAL CENTER FOR RESEARCH IN
VOCATIONAL EDUCATION (contd)**

Dr. Taylor: (contd)

might add the number of international visitors is increasing and these people are representing either federal ministries in education or labor. They come to OSU to familiarize themselves with our work and activities. We are, in some instances, beginning to work with them in terms of contracting and the development of vocational and technical training in their countries.

One of the main purposes of the National Center is that of leadership development, and we accomplish this through our support of graduate students working on doctoral level activities, and in terms of leadership training across the country through the National Academy, and also through postdoctoral and advanced study for individuals who are established scholars. With respect to graduate research associates, we have since 1965 supported for several years while working on a doctorate, some 412 individuals who completed their doctorate in 17 different departments and five colleges and schools of the University. Currently we are supporting 32 individuals who are working on doctorates in seven departments and four colleges and schools of the University. Our support for graduate students to date has exceeded some \$5 million.

Through our National Academy we conducted last year 109 national workshops and seminars that were held in 25 different states and involved almost 4,000 state and national leaders from all of the 57 states and territories and also involved individuals from some 15 foreign countries. Beyond the Academy, we have an Advanced Study Center where we support individuals for full-time residency of some nine- to 12-month duration. We have had 28 individuals from 19 states, including full professors from institutions like Stanford, North Carolina, Texas, Syracuse and others, who have completed a number of books and major monographs. In our National Academy, we have had 130 individuals here as In-Residents for periods of several weeks and then we have a number of sabbatics, both from the states and Fulbright scholars from other countries such as Poland, Germany, Canada, Australia, Philippines, and others.

In terms of international efforts to date, we have completed contracts with a number of foreign countries. We have seven current contracts in force and we expect to expand our work and activity in this particular area. We expect by July 1 to have work under way in about five additional foreign countries amounting to some \$3 to \$4 million in contracts and grants.

With respect to new initiatives, one of the major areas of focus and activity for the Center right now is the area of economic development. This includes activities designed to strengthen the linkages between schools of all types and the business/industry/labor sector. We are expanding our work with respect to private sector training by working with groups like Westinghouse, Control Data, General Electric, and others. We are trying to expand the options and possibilities of young people who are completing vocational and technical education to become self-

**REPORT - THE NATIONAL CENTER FOR RESEARCH IN
VOCATIONAL EDUCATION (contd)**

Dr. Taylor: (contd)

employed entrepreneurs. We are working in the area of high technology as it relates to the interface between technical institutes, community colleges, and high technology firms. We are expecting to establish an Executive In-Residence program for individuals responsible for corporate training and other types of training. They would come to the Center for in-service development and advancement. We have a number of major collaborative activities under way working with such groups as the U. S. Chamber of Commerce, National Association of Manufacturers, and National Association of State Legislatures. Five international labor unions are presently supporting us and additionally we have put together working relationships with a number of centers of excellence--R&D centers in Geneva; Turin, Italy; Berlin; The Hague; and Paris, so that we have an opportunity to tie into the research and development work that is going on in some of the other advanced R&D centers in our field.

Let me take just a minute, if I may, and talk a bit about some of the problems that we are experiencing in working in the Federal policy arena. I mean Federal policies affecting research and development. It seems to be translating into such things as reduced support and appropriations. Additionally, there appears to be a limiting of discretion and independence on the part of researchers. The dollars are being specified and targeted and there is a tendency to shift away from discovery, invention and more fundamental research problems to things that are applied and in some instances to only activities of dissemination. Additionally, appropriation levels for R&D are diminishing in some areas. Decision processes that used to be predictable and dependable with respect to contracts and grants are being delayed. This makes it extremely difficult to maintain staff and to maintain continuity in programs and activities. Finally we have a situation of excessive evaluation and audits. For example, the National Center has been audited on some \$28 million of our Federal contracts. Fortunately we have had no audit exceptions, but we have had 999 person days of site visits, reviews, and audits in the last three years. That means more than one person a day in our building doing evaluation and audits on our several activities.

In terms of needs, as we see them, there is a strong need for continuing and core support that would provide a basis of protecting staff and allowing us to continue between contracts and what might be potential delays. Additionally, we have a situation where there is an increasing requirement of some form of matching or local contribution for major contracts. The amount of this matching is becoming increasingly competitive among universities; in some instances overhead is being waived. Second, we also see a need for a fund that could be labeled "independent R&D" and that would enable us to begin exploratory studies to begin investigation and activity into areas that we later could translate into legislation for Federal support or private sector development. Third, we need to consolidate our staff

February 5, 1982 meeting, Board of Trustees

**REPORT - THE NATIONAL CENTER FOR RESEARCH IN
VOCATIONAL EDUCATION (contd)**

Dr. Taylor: (contd)

and operation in terms of buildings. We are continuing to pay rent as we have since 1978. Our operations would be improved by being able to more closely group our staff.

Now with respect to the future, I think that the mission and problem focus of the National Center is going to continue to be significant. The matter of helping people plan, prepare and progress in careers is going to be an increasingly important problem area. We have the opportunity to diversify our funding, not only domestically but also in terms of the international sector. Reauthorization of the Federal vocational education act is now before the Congress. We are being recommended for continuance in the renewed legislation by the American Vocational Association, Chief State School Officers, State Directors of Vocational Education, the President's National Advisory Council, University Council for Vocational Education, and others. There is other manpower legislation including CETA, apprenticeship and others that are currently being considered for reauthorization. We see the opportunity to build in additional research and development activities for support in that area. We plan to continue our focus of activities on the several vocational education delivery systems that are available for manpower training and development. We also plan to continue our work in the international field, to translate our technology into the needs and requirements of other countries, to learn from their experiences in national planning and development, and to help a comparative dimension into American systems. I want to thank you for this opportunity to report to you and would be pleased to respond to any questions that you might have.

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REPORT - STUDENT FINANCIAL AIDS

Provost Reynolds:

In the interest of time I will move right ahead. At first glance, Bob Taylor and Rod Harrison might appear to be strange program partners, but they do have some things in common. They have in common a long affiliation with The Ohio State University and a total commitment to the welfare and well-being of this institution. There is another item they hold in common as well--Federal and other outright sources of support are necessary to the success of their efforts and to this end we have asked Mr. Rodney Harrison, Director of Student Financial Aids, who incidentally has been at this institution working in this area for some 24 years, and who reports, of course, to Vice President Nester, to talk to us today about Federal student financial aid. I think each of you will find at your places a hand-out which you might want to follow along with during Mr. Harrison's presentation.

REPORT - STUDENT FINANCIAL AID

Mr. Harrison:

The importance of Federal student financial aid at The Ohio State University is immeasurable. The resources enable us to enroll large numbers of students who would be totally incapable of financing an education, even at their own state university. It also encourages students to seek higher degrees than they might otherwise be financially able to pursue.

In reviewing the proposed Federal budgets, we are providing you information relative to the impact of the Pell Grant, Supplemental Educational Opportunity Grant, National Direct Student Loan, and College Work-Study Program. Following is a chart which indicates the number of students and average loan or grant under those programs during this year at The Ohio State University. Although these are significant, they need to be related to the rapidly increasing undergraduate fees at Ohio State, which now total \$1,330 per year. This means that most needy students must have support from more than one program.

**PRESENT WORTH OF PROGRAMS, 1981-82
AT THE OHIO STATE UNIVERSITY**

Program	No. of Students	Loan/Grant
National Direct Student Loan (NDSL)	4,000	\$1,050
Supplemental Educational Opportunity Grant (SEOG)	700	750
Pell Grants (BEOG)	9,200	890
College Work-Study	2,500	1,050

In order to review the impact of the proposed budget reductions, we took the average of the Federal appropriations for these programs for Fiscal 80 and 81, then took the average of our appropriations for those same two years. This established an average percent of the total appropriation which was coming to The Ohio State University. Taking those percentages, we calculated the potential impact on Ohio State by comparing that to FY-82 Continuing Resolution Budget and found it would mean a \$993,025 reduction in financial aid resources. In comparing it to the FY-82 Administration Revised Budget, we found a reduction of \$1,471,593, or over 13%. Compared with the Proposed OMB budget for FY-83, the reduction amounts to \$6,119,898, or 49%.

Following this analysis, we reviewed the Guaranteed Student Loan Program and felt that a similar analysis of the budget was not appropriate because of the rapidly changing eligibility requirements and because of specific concerns about proposals being promulgated by the Administration for additional change. This program has been enormously important to our students. Almost \$7,000,000 was

REPORT - STUDENT FINANCIAL AID (contd)

Mr. Harrison: (contd)

borrowed during 1981 by students enrolled in our Health Profession colleges. The potential loss of these funds for these students would be devastating.

With the knowledge that choices will have to be made in order to bring Federal spending under control, we are providing for your information and consideration the University's priorities relative to funding concerns and administrative changes in the program. These priorities are summarized as follows:

1. Guaranteed Student Loan. This is our major concern. We urge the retention of eligibility for graduate and professional students in this program and that they not be forced into the Auxiliary Loan to Assist Students (ALAS) as has been proposed by the Administration.
2. Pell Grants.
3. College Work-Study Program.
4. National Direct Student Loan.
5. Supplemental Educational Opportunity Grant.

In summary, we wish to express to you our sincere thanks for your continued support of these programs and, in particular, call your attention to the vital concern relative to the eligibility requirements for graduate and professional students in the Guaranteed Student Loan Program.

In reviewing the impact on The Ohio State University, we find that if we review the numbers of students in the College Work-Study, National Direct Student Loan, Supplemental Educational Opportunity Grant, Pell (Basic) Grant, Health Professions Loans, and the Guaranteed Student Loan, we have approximately 23,500 students enrolled at The Ohio State University because these funds have been made available.

President Jennings:

Thank you Rod. I think it is important to note that both these financial areas--whether in the research area or in the student financial aid area--this institution is greatly dependent on Federal funds as well as State funds for the support, and I think it is--as we concern ourselves with State financing, it is very important to all of us to remember that this financing situation is being doubled up right now because the Federal monies are clearly being impacted in a very major way for our institution. It is happening simultaneously. At this stage it seems unlikely that we can look to our additional Federal funding to solve some of our State funding problems at the institution.

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February 5, 1982 meeting, Board of Trustees

RESOLUTIONS IN MEMORIAM

Resolution No. 82-60

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

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

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

Camille J. Botte

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on January 9, 1982, of Camille J. Botte, Assistant Professor Emeritus in the Department of Economics.

Professor Botte received all of his higher education at The Ohio State University, earning B.S.Edu., M.A., and Ph.D. degrees, the latter degree in 1934. Upon completion of the Ph.D., Dr. Botte joined the federal government as Ohio Chief for Research and Records in the Worker Progress Administration. From there he moved to the Office of Price Administration and finally became a Senior Economist with the War Labor Board. In 1943 he left federal service to become Research Economist with the Ohio Chamber of Commerce, a position he held for 15 years.

In 1946 with the post-World War II veterans enrollment expansion, Dr. Botte came back to the University as a part-time lecturer in the Twilight School. After retiring from the Ohio Chamber of Commerce, he became a full-time Assistant Professor. During more than 20 years, thousands of students in elementary economics benefitted from the stimulating teaching enriched by Professor Botte's government and business experience.

Professor Botte was active in the community and professional organizations, including the American Economics Association and the American Statistical Association. But above all he was a loyal friend and supporter of The Ohio State University as an active member of the Alumni Association, the Presidents Club, and the Faculty Club.

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

Richard W. Deeds

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on December 7, 1981, of Dr. Richard W. Deeds, Professor Emeritus in the College of Dentistry.

February 5, 1982 meeting, Board of Trustees

RESOLUTIONS IN MEMORIAM (contd)

Richard W. Deeds (contd)

Dr. Deeds received his D.D.S. degree from The Ohio State University in 1929.

After graduation from The Ohio State University College of Dentistry, Dr. Deeds practiced in Portsmouth until he joined the faculty in 1944 and maintained a very successful private practice in Upper Arlington. He retired in 1970.

Dr. Deeds was a member of Sigma Pi Fraternity, Psi Omega Dental Fraternity and Omicron Kappa Upsilon. He was on the Advisory Committee of Psi Omega Alumni Association and House Committee. He was a member of the Columbus Dental Society, The Ohio State University Alumni Association, the Ohio Dental Association and the American Dental Association.

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

R. Richard Howard

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on January 6, 1982, of R. Richard Howard, Associate Professor Emeritus, Cooperative Extension Service.

Mr. Howard was born in Shiloh, Richland County, Ohio, on March 17, 1920. He attended high school there then earned a B.S.Agr. degree in 1942 and a M.A. degree in 1962 from The Ohio State University.

In 1946 he joined the Extension Service as an Associate County Agent in Summit County. In 1950 he became County Extension Agent and later became a Marketing Agent, serving for two years in the Akron-Youngstown area. Dick joined the state Extension faculty as Radio Editor in 1960, a position he held until his retirement on January 31, 1976.

Dick was widely known for his keen wit and subtle humor and was a popular MC at meetings.

On behalf of the University community, the Board of Trustees expresses to the family of Mr. Howard its deepest sympathy. It was directed that this resolution be inscribed in the minutes of the Board of Trustees and that a copy be tendered to the family as sincere appreciation of the Board's realization of the loss that the family, University, and his many friends and associates have sustained.

February 5, 1982 meeting, Board of Trustees

RESOLUTIONS IN MEMORIAM (contd)

Dale Allen Ray

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on November 22, 1981, of Dale Allen Ray, Professor and Assistant Chairman, Department of Agronomy.

Dr. Ray graduated with a B.S. degree from Purdue University in 1947; Master's degree from Purdue University in 1949. He received his Ph.D. degree in agronomy in 1952 from North Carolina State.

He was Assistant Professor of Agronomy and Genetics at West Virginia University, Morgantown, West Virginia, from 1952 to 1956. He came to The Ohio State University on July 1, 1956. At Ohio State, he taught grain crops courses, did oat and barley research plus various administrative duties.

He was a World War II Veteran, E.T.O. decorated, Combat Infantry Badge.

While at Purdue University, he was a member of the Purdue University Glee Club.

Organizations which Dr. Ray belonged to were: Alpha Gamma Rho Fraternity, Alpha Zeta, Kappa Delta Pi, Gamma Sigma Delta, American Society of Agronomy, American Society of Genetics, Ohio State Faculty Club, Ohio State Open Court, OSU Bowling League-Agronomy Department Team. In all of these organizations, he at one time held officer status.

In 1969, he was awarded outstanding faculty award in agronomy, selected by students. He was a long-time based member of Ohio Seed Improvement Association and Foundation Seeds of Croton, Ohio. He was a member of Morgantown, West Virginia, Masonic Lodge No. 4.

Dr. Ray was a dedicated and highly respected educator and administrator. He was well known and respected among his peers and served the University in a commendable fashion.

On behalf of the University community, the Board of Trustees expresses to the family its deepest sympathy. It was directed that this resolution be inscribed in the minutes of the Board of Trustees and that a copy be tendered to the family. This is done in sincere appreciation of the Board's realization of the loss which the family, the University and his many friends and associates have sustained.

Hoyt L. Sherman

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on November 29, 1981, of Hoyt L. Sherman, Professor Emeritus in the College of the Arts.

Professor Sherman first joined the faculty in 1928 as an Instructor in the School of Art. When he retired in 1974, Professor Sherman had established an international reputation as one of the great researchers and teachers in visual arts.

February 5, 1982 meeting, Board of Trustees

RESOLUTIONS IN MEMORIAM (contd)

Hoyt L. Sherman (contd)

In collaboration with colleagues in optometry, psychology and education, Professor Sherman developed the Flash Laboratory for the teaching of drawing and the Visual Demonstration Center on this campus. Besides developing innovative teaching programs in art, he also worked with architecture and dentistry students and with the varsity football and basketball teams.

He was the author of three books and several articles on operational theories of art. In his retirement, Professor Sherman continued his active research in color perception and was working on an analytical book of Rembrandt's drawings.

During World War II, he served as a consultant to the U. S. Navy and contributed significant research to the development of the Armed Forces Aircraft Recognition Program. In 1945-46 Professor Sherman received the Howald Scholarship, and in 1962 he was awarded the University Distinguished Teaching Award.

Professor Sherman was born in Lafayette, Alabama, on November 7, 1903. After graduating from high school in Bessemer, Alabama, he enrolled at The Ohio State University College of Engineering in 1921 as an electrical engineering student. After transferring to architecture, he found his true vocation in art. The School of Art awarded him the Bachelor of Fine Arts degree in 1926.

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

Robert James Wherry, Sr.

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on December 13, 1981, of Robert James Wherry, Sr., Professor Emeritus, Department of Psychology.

Professor Wherry was born in Middletown, Ohio, on May 16, 1904. He earned the Bachelor's degree in 1925, the Master's degree in 1927, and the Ph.D. degree in 1929, all at The Ohio State University. He served on the faculty of Cumberland University from 1929 to 1937 and of the University of North Carolina from 1937 to 1948. He was Professor of Psychology at The Ohio State University from 1948 to 1975. Between 1960 and 1970, he served as Chairman of the Department of Psychology at Ohio State. In 1944, during World War II, he served as Chief of Research in the Office of the Secretary of War.

Professor Wherry was internationally renowned for his invention of a number of statistical methods, his many significant research papers, and his consultation to industry and government. He had been a member of the American Psychological Association, the Psychonomic Society, Sigma Xi honorary society, and was a member of the editorial board of *Personnel Psychology*.

February 5, 1982 meeting, Board of Trustees

RESOLUTIONS IN MEMORIAM (contd)

Robert James Wherry, Sr. (contd)

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

Mohammed Yaqub

The Board of Trustees of The Ohio State University expresses its sorrow upon the death, on December 29, 1981, of Mohammed Yaqub, Professor in the Department of Physics.

Professor Yaqub received his Ph.D. degree from Oxford University in 1957. He held post-doctoral fellowships at London University, Washington University, and MIT before joining the OSU Department of Physics in 1965. He became a Professor of Physics in 1968.

Professor Yaqub carried out research in solid state physics. His interests centered on the electrical properties of metals at very low temperatures. He is the author of more than thirty papers in scientific journals.

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

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ESTABLISHMENT OF "THE ARTHUR E. SHEPARD ENDOWED PROFESSORSHIP IN INSURANCE"

Resolution No. 82-61

Synopsis: Conversion of "The Arthur E. Shepard Designated Professorship in Insurance" to "The Arthur E. Shepard Endowed Professorship in Insurance" is proposed.

WHEREAS the Board of Trustees on January 14, 1965, approved a set of guidelines for the establishment of "Named Professorships," which was subsequently modified March 3, 1972, and renamed "Endowed Professorships" and was modified further on May 5, 1978; and

WHEREAS gifts to The Ohio State University Development Fund from Arthur E. Shepard, CLU, of Columbus, Ohio, have been received; and

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

February 5, 1982 meeting, Board of Trustees

**ESTABLISHMENT OF "THE ARTHUR E. SHEPARD
ENDOWED PROFESSORSHIP IN INSURANCE" (contd)**

WHEREAS the annual income is to be used for the endowment of a professorship in the College of Administrative Science for the teaching and promotion of insurance; and

WHEREAS the Board of Trustees in Resolution No. 80-101 established "The Arthur E. Shepard Designated Professorship in Insurance" with the provision that at such time as sufficient funds were made available the faculty position would be converted to an "Endowed Professorship"; and

WHEREAS appropriate funding has been received for the establishment of an Endowed Professorship in Insurance; and

WHEREAS should the need for this faculty position cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for insurance education:

NOW THEREFORE

BE IT RESOLVED, That "The Arthur E. Shepard Endowed Professorship in Insurance" be established in accordance with the wishes of the donor.

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

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ESTABLISHMENT OF DIVISION OF MINING ENGINEERING

Resolution No. 82-62

Synopsis: Establishment of Division of Mining Engineering is being proposed.

WHEREAS the University reactivated its mining engineering program in December 1977; and

WHEREAS the program provided approval to offer instruction leading to the Bachelor of Science in Mining Engineering degree; and

WHEREAS ten bachelor's degrees have been granted to date, and in 1980-81, five faculty taught thirteen mining engineering courses for a total of 522 quarter credit-hours; and

WHEREAS the formation of a Division of Mining Engineering will not require additional funding beyond that already established and projected for the operation of the mining

February 5, 1982 meeting, Board of Trustees

ESTABLISHMENT OF DIVISION OF MINING ENGINEERING (contd)

engineering program, and because of an expected improvement in administrative efficiency, it is anticipated that the Division would be able to accomplish more with the same dollar outlay; and

WHEREAS the existing mining engineering program meets the specifications of paragraph (E) of rule 3335-3-34 of the Administrative Code and the procedural requirements of the Council on Academic Affairs for designation as a division; and

WHEREAS the proposal to establish a Division of Mining Engineering has received approval of the College of Engineering and the Council on Academic Affairs:

NOW THEREFORE

BE IT RESOLVED, That the Board of Trustees adopt the foregoing resolution as approved and recommended by the University Senate at its January 9, 1982 meeting.

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

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**ADDITION OF NEW RULE AND AMENDMENTS TO
RULES OF THE UNIVERSITY FACULTY**

Resolution No. 82-63

Synopsis: Addition of new rule 3335-3-172 and amendments to rules 3335-7-14, 3335-7-26, 3335-7-27, and 3335-7-28 of Rules of the University Faculty are presented for adoption.

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

WHEREAS the proposed changes in *Rules of the University Faculty* were approved by the University Senate on January 9, 1982, as follows:

NEW RULE

3335-3-172 Dean of student life.

- (A) The dean of student life shall have responsibility and authority for the administration of non-academic programs and support services dealing with the general welfare of students.

**ADDITION OF NEW RULE AND AMENDMENTS TO
RULES OF THE UNIVERSITY FACULTY (contd)**

3335-3-172 Dean of student life. (contd)

- (B) Without limiting the generality of the foregoing, the dean of student life shall, under the direction of the vice president for student services, have the responsibility and authority for administering the office of student life, including budgeting, staffing, and planning for all office of student life functions. The responsibilities of this office include coordination of campus-wide activities, women's services, student judicial programs, the activities office (including student organizations, student government, and student activity auditing), Greek affairs, off-campus student center, cultural and ethnic programming for minority students, and student life research.
- (C) The usual method of communication between the dean of student life and the president or the board of trustees shall be through the vice president for student services. (B/T 2/5/82)

AMENDED RULES

3335-7-14 Approval of student schedules.

The deans or secretaries of the several colleges and schools, and of the graduate school, shall approve the quarterly schedule of classes of students in their colleges and schools (or graduate school) but the assignment to hours and all changes in such assignment shall be made by the office of registration, records and scheduling.

3335-7-26 Point-hour ratio.

- (B) When determining the point-hour ratio of a student:
- (1) For a quarter, the "applicable number of credit hours" shall be the student's scheduled credit hours in that quarter.
 - (2) For the student's work in the university, the "applicable number of credit hours" shall be the total number of credit hours undertaken in the university except as modified by paragraph (A) (2) of rule 3335-7-271 of the Administrative Code.
 - (3) For the student's work in the graduate school or in a professional college or school or professional division of a college, the "applicable number of credit hours" shall be the total number of credit hours undertaken in the graduate school or in the professional college or school or professional division of a college.
 - (4) For the student's work in the major field of interest, the "applicable number of credit hours" shall be the total number of credit hours undertaken in courses approved for the major program.

**ADDITION OF NEW RULE AND AMENDMENTS TO
RULES OF THE UNIVERSITY FACULTY (contd)**

3335-7-27 Failure in a required course.

- (A) An undergraduate or professional student who has not been dismissed from the university must repeat in a regularly scheduled class, at the first opportunity, a required course in which a mark of "E" has been received, unless an equivalent course is recommended and approved by the authorized representative of the dean or director of the student's enrollment unit.
- (B) A graduate student who has not been dismissed from the university must repeat in a regularly scheduled class a required course in which a mark of "E" has been received only if this is required by the student's adviser.

3335-7-28 Repetition of courses.

- (A) Except as specified by rule 3335-7-27 of the Administrative Code, undergraduate students who have received a mark of "E" or "NP" in a course at this university may repeat the course for credit at their option.
- (B) Undergraduate or professional students, as defined in rule 3335-9-01 of the Administrative Code, who have received a mark of "D+" or "D" in a course at this university may repeat the course for credit only upon the recommendation of the authorized representative of the dean or director of their enrollment unit.
- (C) Undergraduate or professional students, as defined in rule 3335-9-01 of the Administrative Code, who have received a mark of "A," "A-," "B+," "B," "B-," "C+," "C," "C-," or "PA" in a course at this university or elsewhere may repeat the course only as auditors, in accordance with rule 3335-7-29 of the Administrative Code.
- (D) A graduate student, as defined in rule 3335-9-01 of the Administrative Code, may repeat for credit any course when approval is given by the student's adviser.
- (E) A student who has audited a course may subsequently repeat the course for credit only upon receiving permission of the authorized representative of the dean or director of the student's enrollment unit.
- (F) The credit hours for a repeated course shall in no case be counted more than once in meeting graduation requirements. When a student repeats a course, both grades appear on the student's record and both are used in computing the point-hour ratio, except as modified by rule 3335-7-271 of the Administrative Code.

February 5, 1982 meeting, Board of Trustees

**ADDITION OF NEW RULE AND AMENDMENTS TO
RULES OF THE UNIVERSITY FACULTY (contd)**

NOW THEREFORE

BE IT RESOLVED, That the foregoing new rule and amendments to existing *Rules of the University Faculty* be adopted by the Board of Trustees for implementation and incorporation in the Administrative Code.

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

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PERSONNEL ACTIONS

Resolution No. 82-64

Synopsis: Recommendation for promotion of Dean Roy M. Kottman and reappointment of principal administrative official is being proposed.

BE IT RESOLVED, That the following personnel changes to made:

Promotion

Name:	ROY M. KOTTMAN
Present Position:	Dean, College of Agriculture and Home Economics; Director, Cooperative Extension Service; and Director, Ohio Agricultural Research and Development Center
New Position:	Vice President for Agricultural Administration and Executive Dean for Agriculture, Home Economics, and Natural Resources
Effective:	5 February 1982 through 30 June 1982, the date of Dean Kottman's retirement from the University
Salary:	\$59,920.00 (12-month)

Reappointment of Principal Administrative Official

ANDREW J. BROEKEMA, Dean of the College of the Arts, effective February 1, 1982-January 31, 1987, pursuant to rule 3335-3-17 of the Administrative Code.

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

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PERSONNEL ACTIONS

Resolution No. 82-65

Synopsis: In addition to the regular personnel actions taken since the last meeting, the following Appointments, Medical Staff Appointments, Leaves of Absence Without Salary, Professional Improvement Leaves, and Emeritus Titles are recommended for approval.

RESOLVED, That the personnel actions as recorded in the Personnel Budget Records of the University since the December 10, 1981 meeting of the Board, including the following Appointments, Medical Staff Appointments, Leaves of Absence Without Salary, Professional Improvement Leaves, and Emeritus Titles as detailed in the University Budget, be approved.

Appointments

Name: PHILIP W. MURDICK
Title: Associate Dean
College: College of Veterinary Medicine - Administration
Salary: \$52,920.00 (12-month)
Effective: January 1, 1982
Present Position: Professor and Chairman, Department of Veterinary Clinical Sciences

Name: EDWARD F. DONOVAN
Title: Professor and Acting Chairman
Department: Veterinary Clinical Sciences
Salary: \$49,440.00 (12-month)
Effective: January 1, 1982
Present Position: Professor, Department of Veterinary Clinical Sciences

Medical Staff Appointments

Effective September 1, 1979

Nancy M. Trhlik, M.D.	Courtesy Staff in Preventive Medicine, Service of Emergency Medicine	Clinical Assistant Professor
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Effective October 1, 1981

Susan Carleton Benes, M.D.	Attending Staff in Ophthalmology	Assistant Professor
Francis S. Wright, M.D.	Attending Staff in Pediatrics	Professor

Effective November 15, 1981

George C. Cummings, M.D.	Limited Staff in Anesthesiology	Clinical Instructor H.S.
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February 5, 1982 meeting, Board of Trustees

PERSONNEL ACTIONS (contd)

Leaves of Absence Without Salary

HAO CHANG, Professor, Department of History, cancel leave effective January 1, 1982 through March 31, 1982, which was granted September 4, 1981.

LOUISE B. GUTHMAN, Associate Professor, Department of Dance, effective January 5, 1982 through January 26, 1982, to tour with Ballet Met in Taiwan.

DONNA GAIL BERLIN, Assistant Professor, Academic Faculty of Early and Middle Childhood Education (Newark Campus), effective February 22, 1982 through March 28, 1982, for personal reasons.

LAUREL E. FAY, Assistant Professor, School of Music, effective January 1, 1982 through March 31, 1982, to participate in an International Research and Exchanges Board program to do research.

DEBORAH JEAN FITZGERALD, Assistant Professor, Department of Philosophy, effective January 1, 1982 through March 31, 1982, to do professional research in France.

ALLAN SEKULA, Assistant Professor, Department of Photography and Cinema, effective January 1, 1982 through March 31, 1982, to engage in professional research.

JUDY L. FOSTER, Instructor, Cooperative Extension Service, effective January 13, 1982 through January 24, 1982, for personal reasons.

MARY LOU FUHRY, Instructor, Cooperative Extension Service, effective December 21, 1981 through January 10, 1982, for personal reasons.

Professional Improvement Leaves

JAMES C. GARLAND, Professor, Department of Physics, change from Autumn Quarter 1981, Winter Quarter 1982, and Spring Quarter 1982 to Autumn Quarter 1982, Winter Quarter 1983, and Spring Quarter 1983.

ROBERT H. MILLER, Professor, Department of Agronomy, cancel leave granted for Autumn Quarter 1982, Winter Quarter 1983, and Spring Quarter 1983.

JOHN QUIGLEY, Professor, College of Law, effective Autumn Quarter 1982, Winter Quarter 1983, and Spring Quarter 1983.

Emeritus Titles

WALLACE BARR, Department of Agricultural Economics and Rural Sociology, with the title Professor Emeritus, effective January 1, 1982.

February 5, 1982 meeting, Board of Trustees

PERSONNEL ACTIONS (contd)

Emeritus Titles (contd)

R. EMERSON LYNN, JR., Department of Chemical Engineering, with the title Professor Emeritus, effective January 1, 1982.

JAMES W. MARQUAND, Cooperative Extension Service, with the title Professor Emeritus, effective February 1, 1982.

JOHN B. MITCHELL, Department of Agricultural Economics and Rural Sociology, with the title Professor Emeritus, effective January 1, 1982.

PERRY E. BORCHERS, Department of Architecture, with the title Professor Emeritus, effective July 1, 1981.

JOHN W. SHARP, Department of Agricultural Economics and Rural Sociology, with the title Professor Emeritus, effective January 1, 1982.

RICHARD W. STOW, Department of Physical Medicine, with the title Professor Emeritus, effective February 1, 1982.

WILLIAM W. DAVIS, Department of Preventive Medicine, with the title Clinical Assistant Professor Emeritus, effective January 1, 1982.

HELEN STORER, Cooperative Extension Service, with the title Assistant Professor Emeritus, effective January 1, 1982.

FRANKLIN D. GEORGE, Cooperative Extension Service, with the title Instructor Emeritus, effective February 1, 1982.

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

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REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS

Resolution No. 82-66

Synopsis: The reports on contracts, grants, and gifts and the summaries for November and December are presented for Board acceptance.

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

February 5, 1982 meeting, Board of Trustees

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

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

NOW THEREFORE

BE IT RESOLVED, That the research agreements between The Ohio State University and The Ohio State University Research Foundation for the contracts and grants reported herein, and the acceptance of the reports from the Engineering Experiment Station and The Ohio State University Development Fund during the months of November and December 1981, be approved.

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

SUMMARY FOR NOVEMBER 1981

Source	No. of Projects	Support Level
The Ohio State University Research Foundation	50	\$2,164,749.90
Engineering Experiment Station	51	101,881.00
		\$2,266,630.90

The Ohio State University Development Fund

Report from Presidents Club

Members to date	4,522
1981 members: year to date	138
New members - November 1981	8

New Presidents Club Members - November 1981

Bryan F. Hartley	Jeffrey D. Nye
William D. Johnston	Chester S. Shira
Robert G. Kennedy	John A. Thoms
Ibrahim A. Orkoubi	Dale D. Walther

February 5, 1982 meeting, Board of Trustees

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

SUMMARY FOR DECEMBER 1981

Source	No. of Projects	Support Level
The Ohio State University Research Foundation	48	\$2,492,592.00
Engineering Experiment Station	47	196,690.00
		\$2,689,282.00
The Ohio State University Development Fund		
Establishment of Named Funds		
Dr. Howard Dexter Brown Scholarship Fund (Department of Horticulture - Field of Food Technology)		\$ 209,000.00
The W. Arthur Cullman Symposium Fund (College of Administrative Science)		\$ 50,000.00
The Irving Abramowitz Memorial Professorship Fund (College of Administrative Science)		\$ 27,235.80
The Jimmie L. Huitt, Jr., Fund (College of Administrative Science)		\$ 15,875.00
Robert E. Oscar Professorship in International Business Fund (College of Administrative Science)		\$ 8,645.00
The J. Norman Staiger/OSU Men's Glee Memorial Scholarship (School of Music)		\$ 7,451.00
Roy E. and Zelma L. Roeder Memorial Fund (Lima Campus)		\$ 6,006.00

February 5, 1982 meeting, Board of Trustees

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

SUMMARY FOR DECEMBER 1981 (contd)

The Ohio State University Development Fund (contd)

Establishment of Named Funds (contd)

The Elizabeth Kiss Amstutz Scholarship Fund (College of Humanities)	\$ 5,000.00
The Gordon M. Amstutz Scholarship Fund (College of Engineering)	\$ 5,000.00
The Loudenslager Scholarship Fund (College of Agriculture and Home Economics - Marion Campus)	\$ 5,000.00
Renal Research and Development Fund (Division of Renal Diseases)	\$ 5,000.00
The Katrina Louise Winzenried Memorial Scholarship Fund (Undergraduate students - Hardin County)	\$ 5,000.00

Change in Name and Description of Named Fund

From: William H. Davis Scholarship Fund
for Basic Medical Research
To: William H. Davis Endowment for
Basic Medical Research

Report from Presidents Club

Members to date	4,532
1981 members: year to date	152
New members - December 1981	14

New Presidents Club Members - December 1981

Clinton R. Beckett	W. Richard Lipold
Martin A. Coyle	Jack C. McKinley
Pamela Parker Gartin	Lloyd M. Parks
Anthony J. Gelpi	Marie E. Sinsabaugh (Mrs. Charles F.)
Robert E. Haines	Whitney B. Stout
Jack W. Hickey	Patrick S. Vaccaro
Barry J. Levey	Howard F. Webb, Jr.

February 5, 1982 meeting, Board of Trustees

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

SECOND QUARTER SUMMARY

October 1, 1981 through December 31, 1981

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION

Source	No. of Projects	Support Level
FEDERAL		
National Aeronautics and Space Administration	8	\$ 315,610.00
National Science Foundation	16	890,707.00
Department of Defense	39	2,911,503.00
Department of Energy	2	11,100.00
Department of Education	6	385,977.00
Department of Health and Human Services	20	1,341,548.00
Other Federal	15	688,185.90
TOTAL - FEDERAL	106	\$6,544,630.90
STATE OF OHIO	12	\$ 253,540.00
INDUSTRIAL, PRIVATE, AND OTHER NON-FEDERAL SPONSORS	57	\$1,982,816.00
GRAND TOTAL	175	\$8,780,986.90

ENGINEERING EXPERIMENT STATION

Source	No. of Projects	Support Level
INDUSTRIAL AND OTHER	131	\$ 408,894.00

February 5, 1982 meeting, Board of Trustees

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

**THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION
(Report - November 1981)**

Federal Research Contracts/Grants

\$134,000.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, "Resonant Structure NCTR" (Non-Cooperative Target Recognition), Department of Electrical Engineering, ElectroScience Laboratory (J. D. Young), 1 October 1981 through 15 January 1982. (Project 762920 - New)

\$133,578.00 - Department of the Navy, Naval Training Equipment Center, Orlando, Florida, OSU/Microde Development for CIG, Department of Art Education (C. A. Csuri) and Department of Computer and Information Science (F. C. Crow), 30 June 1982 through 28 June 1983. (Project 762746 - Continuation)

\$116,740.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, Increasing Productivity Through Social Structure, Department of Psychology (B. Latane), 1 October 1981 through 30 September 1982. (Project 762439 - Continuation)

\$98,159.00 - Department of the Air Force, Office of Scientific Research, Bolling Air Force Base, D. C., Chemical Carcinogen (Hydrazine, Polynuclear Hydrocarbon and/or Synthetic Jet Fuel Components) Induced Carcinogenesis of Human Cells, *in Vitro*, Department of Physiological Chemistry (G. E. Milo), 1 October 1981 through 30 June 1982. (Project 762178 - Continuation)

\$89,995.00 - Department of the Army, Army Research Office, Research Triangle Park, North Carolina, The Effects of Atmospheric Water Vapor on Infrared Propagation, Department of Electrical Engineering, ElectroScience Laboratory (E. Damon and R. Long), 1 December 1981 through 30 November 1982. (Project 762674 - Continuation)

\$87,009.00 - Department of the Air Force, Office of Scientific Research, Bolling Air Force Base, D. C., Chemical and Molecular Biological Aspects of Alkylhydrazine-Induced Carcinogenesis in Human Cells *in Vitro*, College of Pharmacy (D. Witiak), 1 October 1981 through 30 June 1982. (Project 762177 - Continuation)

\$69,943.00 - Department of the Air Force, Office of Scientific Research, Bolling Air Force Base, D. C., Molecular Interactions of High Energy Fuels and Jet Fuels with Oncogenic Viruses and Endogenous Viruses, Department of Veterinary Pathobiology (J. Blakeslee), 1 October 1981 through 30 June 1982. (Project 762179 - Continuation)

\$64,985.00 - Department of the Navy, Naval Air Systems Command, Washington, D. C., Research on Near Field Pattern Effects, Department of Electrical Engineering, ElectroScience Laboratory (W. D. Burnside), 1 October 1981 through 30 September 1982. (Project 762922 - Continuation)

February 5, 1982 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

\$63,314.00 - Department of the Air Force, Office of Scientific Research, Bolling Air Force Base, D. C., Immune Dysfunctions and Abrogation of the Inflammatory Response by Environmental Chemicals, Department of Veterinary Pathobiology (R. G. Olsen), 1 October 1981 through 30 June 1982. (Project 761657 - Continuation)

\$60,000.00 - Department of the Air Force, Aeronautical Systems Division (AFSC), Wright-Patterson Air Force Base, Ohio, Supercritical Airfoil Wind Tunnel Flutter Research, Department of Aeronautical and Astronautical Engineering (J. D. Lee), 1 October 1981 through 30 September 1982. (Project 762832 - Continuation)

\$52,497.00 - Department of the Army, Army Research Office, Research Triangle Park, North Carolina, Microstrip Analysis Techniques, Department of Electrical Engineering, ElectroScience Laboratory (E. H. Newman), 1 November 1981 through 31 October 1982. (Project 762478 - Continuation)

\$50,000.00 - Department of the Air Force, Aeronautical Systems Division (AFSC), Wright-Patterson Air Force Base, Ohio, Kinetic-Elastic Approach for Time-Dependent Rheological Data, Department of Chemical Engineering (R. S. Brodkey), 1 October 1981 through 24 March 1982. (Project 762084 - Continuation)

\$50,000.00 - Department of the Army, Army Research Office, Research Triangle Park, North Carolina, Coherent Electromagnetic Wave Propagation and Scattering in Random Media, Department of Engineering Mechanics (V. K. Varadan and V. V. Varadan), 16 November 1981 through 15 November 1982. (Project 762930 - New)

\$45,466.00 - National Science Foundation, Washington, D. C., Geometry of Banach Spaces, Department of Mathematics (W. B. Johnson), 1 October 1981 through 30 September 1982. (Project 761663 - Continuation)

\$42,991.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, Research on the Kinetics of Phase Changes on Solids, Department of Metallurgical Engineering (J. P. Hirth), 15 December 1981 through 14 December 1982. (Project 760222 - Continuation)

\$40,319.00 - Department of the Air Force, Aeronautical Systems Division (AFSC), Wright-Patterson Air Force Base, Ohio, A Study of the Buckling, Postbuckling Behavior and Vibrations of Laminated Composite Panels, Department of Engineering Mechanics (A. W. Leissa), 1 October 1981 through 30 September 1982. (Project 762513 - Continuation)

February 5, 1982 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

\$33,392.00 - Defense Mapping Agency, Hydrographic/Topographic Center, Washington, D. C., Research Related to Inertial Surveying Systems, Department of Geodetic Science and Surveying (I. I. Mueller), 1 October 1981 through 30 September 1982. (Project 761793 - Continuation)

\$31,409.00 - Department of the Air Force, Aeronautical Systems Division (AFSC), Wright-Patterson Air Force Base, Ohio, Data Processing of Radar Measurements, Department of Electrical Engineering, ElectroScience Laboratory (A. A. Ksienski, E. K. Walton, and R. Caldecott), 1 May 1981 through 1 January 1982. (Project 762649 - Continuation)

\$30,000.00 - Department of the Air Force, Aeronautical Systems Division (AFSC), Wright-Patterson Air Force Base, Ohio, Changes in the Organ of Hearing Produced by Sound, Department of Otolaryngology (D. J. Lim and W. Melnick), 1 October 1981 through 30 September 1982. (Project 762072 - Continuation)

\$26,500.00 - Department of the Navy, Naval Regional Contracting Office, Long Beach, California, Formulate Quasi-Optical Techniques for Antennas at UHF, Department of Electrical Engineering, ElectroScience Laboratory (C. H. Walter, R. J. Marhefka, and R. C. Rudduck), 13 August 1981 through 31 July 1982. (Project 761784 - Continuation)

\$23,992.00 - Department of the Air Force, Aeronautical Systems Division (AFSC), Wright-Patterson Air Force Base, Ohio, Improved Modeling with Injury Prediction Capability of Human Shoulder Complex, Department of Engineering Mechanics (A. Engin), 1 October 1981 through 15 May 1982. (Project 762205 - Continuation)

\$18,750.00 - Department of the Air Force, Aeronautical Systems Division (AFSC), Wright-Patterson Air Force Base, Ohio, Conduct Exploratory Development on Millimeter Wave (MMW) Systems Using the Target Systems Characterization Facility (TSCF), Department of Electrical Engineering, ElectroScience Laboratory (C. A. Levis), 1 October 1981 through 31 March 1982. (Project 762615 - Continuation)

\$11,859.00 - National Aeronautics and Space Administration, Langley Research Center, Hampton, Virginia, A Summary and Integration of Research Concerning Single Pilot IFR Operational Problems, Department of Aviation (G. S. Weislogel), 1 January 1982 through 31 August 1982. (Project 762941 - New)

\$10,265.00 - Department of the Navy, Naval Research Laboratory, Washington, D. C., On the Feasibility of Extending the T-Matrix Approach to Study Scattering of Acoustic Waves by Finite Cylindrical Shells at Higher Frequencies, Department of Engineering Mechanics (V. K. Varadan and V. V. Varadan), 1 September 1981 through 31 January 1982. (Project 762839 - New)

February 5, 1982 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

\$9,793.90 - Agency for International Development, American Embassy, Honduras Mission, Tegucigalpa, Honduras, An Evaluation of Women's Access to Credit in the Rural Honduran Economy, Department of Agricultural Economics and Rural Sociology (D. H. Graham and D. H. Boyne), 1 September 1981 through 20 December 1981. (Project 762927 - New)

\$8,750.00 - Department of the Army, Army Research Office, Research Triangle Park, North Carolina, International Symposium on Molecular Spectroscopy, Department of Physics (K. N. Rao), 1 December 1981 through 30 November 1982. (Project 761955 - Continuation)

\$8,320.00 - National Endowment for the Humanities, Washington, D. C., Ohio Boeotia Expedition, Department of History (T. E. Gregory), 1 April 1980 through 31 October 1981. (Project 762851 - New)

\$5,100.00 - Department of Energy, Chicago Operations Office, Argonne, Illinois, Kinetics of Fast Reactions of Excited Species, Department of Chemistry (R. F. Firestone), 1 December 1981 through 30 November 1982. (Project 760022 - Continuation)

TOTAL - FEDERAL RESEARCH CONTRACTS/GRANTS **\$1,417,126.90**

State of Ohio Research Contracts/Grants

\$10,828.00 - State of Ohio, Department of Education, Columbus, Ohio, Summer Food Service Program, Office of Minority Affairs (R. T. McDonald), 28 June 1981 through 8 August 1981. (Project 762792 - New)

\$8,000.00 - State of Ohio, Department of Natural Resources, Division of Soil and Water Districts, Columbus, Ohio, Lake Erie Basin - Accelerated Conservation Tillage Project, Cooperative Extension Service - Field Operations (T. L. Jones), 1 October 1981 through 30 November 1982. (Project 762943 - New)

TOTAL - STATE OF OHIO RESEARCH CONTRACTS/GRANTS **\$ 18,828.00**

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

\$258,988.00 - The Procter & Gamble Company, Cincinnati, Ohio, Clinical Investigation of a Non-Perfumed Pantiliner and a Perfumed Pantiliner, Department of Obstetrics and Gynecology (R. C. Bump and F. P. Zuspan), 1 November 1981 through 31 October 1982. (Project 762931 - New)

February 5, 1982 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

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

\$150,000.00 - University of California - Davis, Davis, California, Intensive Forage Production Systems for Smallholder Sheep and Goat Producers, International Programs in Agriculture (H. D. Bauman) and Department of Agronomy (R. W. VanKeuren), 1 October 1981 through 30 September 1982. (Project 761949 - Continuation)

\$120,661.00 - Electric Power Research Institute, Palo Alto, California, Mechanism of Intergranular Corrosion of Inconel 600 Tubing in PWR Steam Generators, Department of Metallurgical Engineering (D. D. Macdonald), 29 October 1981 through 31 December 1982. (Project 762932 - New)

\$42,000.00 - Diamond Shamrock Corporation, Painesville, Ohio, The Metallurgy and Electrochemistry of the Aluminum Anode, Department of Metallurgical Engineering (D. D. Macdonald), 1 January 1982 through 31 December 1982. (Project 762942 - New)

\$25,298.00 - Battelle Memorial Institute Foundation, Columbus, Ohio, Assessment of Degraded Piping by the Tearing Instability Fracture Mechanics Method, Department of Engineering Mechanics (C. Popelar), 1 October 1981 through 1 September 1982. (Project 762929 - New)

\$20,000.00 - Illuminating Engineering Research Institute, New York, New York, Studies of Visual Performance and Illumination, Institute for Research in Vision (H. R. Blackwell), 1 July 1981 through 30 June 1982. (Project 760716 - Continuation)

\$16,932.00 - Philip Morris Research Center, Richmond, Virginia, Effects of Nicotine on Learning and Memory, Department of Psychology (G. G. Berntson), 1 September 1981 through 31 August 1982. (Project 760715 - Continuation)

\$13,371.00 - Boehringer, Ingelheim, Ltd., Ridgefield, Connecticut, Analysis of Dipyridamole in Plasma, Department of Veterinary Clinical Sciences (R. Sams), 1 November 1981 through 15 January 1982. (Project 762928 - New)

\$12,500.00 - Boeing Aerospace Company, Seattle, Washington, MX Physical Security System, Department of Electrical Engineering, ElectroScience Laboratory (J. Young, D. Moffatt, and J. Richmond), 1 October 1981 through 31 December 1981. (Project 762606 - Continuation)

\$12,000.00 - American Heart Association, Central Ohio Heart Chapter, Inc., Columbus, Ohio, Effect of Platelet Factors in Lymphocyte Function, Department of Medical Microbiology and Immunology (C. Prakash) and Department of Pharmacology (G. A. Teiwani), 1 November 1981 through 30 October 1982. (Project 762934 - New)

February 5, 1982 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

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

\$11,587.00 - Electric Power Research Institute, Palo Alto, California, Corrosion and Corrosion Cracking for Water Cooled Reactors, Department of Metallurgical Engineering (D. D. Macdonald), 20 November 1981 through 31 December 1981. (Project 760982 - Continuation)

\$11,533.00 - Battelle Memorial Institute, Columbus, Ohio, Alumina Tooth Implantation in Human Subjects, College of Dentistry - Crown and Bridge (R. H. Downes) 16 October 1981 through 15 October 1982. (Project 762936 - Continuation)

\$9,370.00 - Muscular Dystrophy Association, New York, New York, Carrier Detection Studies in Duchenne Muscular Dystrophy Families Participating in MDA Drug Protocol, Department of Medicine (J. R. Mendell), 20 October 1981 through 31 December 1982. (Project 762494 - Continuation)

\$7,568.00 - Burroughs Wellcome Company, Research Triangle Park, North Carolina, Clinical Evaluation of Cinromide Inad 2230, Department of Veterinary Clinical Sciences (W. R. Fenner), 15 November 1981 through 14 November 1982. (Project 762937 - New)

\$6,775.00 - The Prudential Insurance Company of America, Newark, New Jersey, Behavior Modelling Training Films, Department of Psychology (M. D. Hakel), 1 November 1981 through 31 December 1981. (Project 762933 - New)

\$4,000.00 - Caldwell Community College and Technical Institute, Hudson, North Carolina and Linn-Benton Community College, Albany, Oregon, National Alliance of Postsecondary Education Institutions/Districts, The National Center for Research in Vocational Education (R. E. Taylor), 1 July 1981 through 30 June 1982. (Project 761599 - Continuation)

\$3,950.00 - SME Manufacturing Engineering Education Foundation, Dearborn, Michigan, Equipment Request for Industrial and Systems Engineering Computer and Control Laboratory, Department of Industrial and Systems Engineering (R. S. Ahluwalia), 9 November 1981 through 8 November 1982. (Project 762940 - New)

\$1,000.00 - Cessna Aircraft Company, Pawnee Division, Wichita, Kansas, General Aviation/Airfoil Design and Analysis Service - Airfoil Modification Study, Department of Aeronautical and Astronautical Engineering (G. M. Gregorek), 3 November 1981 through 31 December 1981. (Project 762547 - Continuation)

\$1,000.00 - Dumbarton Oaks, Washington, D. C., Ohio Boeotia Expedition, Department of History (T. E. Gregory), 1 April 1980 through 31 October 1981. (Project 762938 - New)

February 5, 1982 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

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

\$262.00 - La Secretaria del Trabajo y Prevision Social de los Estados Unidos Mexicanos through Unidad Coordinadora del Empleo Capacitacion y Adiestramiento (UCECA), Mexico City, D. F., Republic of Mexico, UCECA Planning Project, The National Center for Research in Vocational Education (R. E. Taylor), 15 September 1981 through 15 December 1981. (Project 762919 - Continuation)

TOTAL - INDUSTRIAL, PRIVATE, AND OTHER NON-FEDERAL RESEARCH CONTRACTS/GRANTS **\$ 728,795.00**

ENGINEERING EXPERIMENT STATION

Industrial and Other Sponsored Research and Development

\$101,881.00 - various sponsors for 51 development projects under the direction of five engineering college departments and research areas.

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND

Gifts of \$5,000 or More

\$185,657.35 - Estate Under the Will of Dr. Fred A. Hitchcock, Columbus, Ohio, for Fred A. Hitchcock Professorship in Environmental Physiology Fund.

\$38,200.00 - The Leo Yassenoff Foundation, Columbus, Ohio--\$25,000.00 for The Leo Yassenoff Chair of Jewish Philosophy; \$1,000.00 for Journalism Director's Special Fund; \$1,000.00 for College of Administrative Science Fund; \$1,000.00 for Dean's Discretionary Fund for Biological Sciences; \$1,000.00 for Humanities Support Fund; \$1,000.00 for Social and Behavioral Sciences Support Fund; \$1,000.00 for College of the Arts Support Fund; \$1,000.00 for Arts and Sciences Vice Provost Discretionary Fund; \$1,000.00 for College of Agriculture and Home Economics Dean's Discretionary Fund; \$1,000.00 for College of Mathematical and Physical Sciences Dean's Emergency Fund; \$1,000.00 for Pharmacy Fund; \$1,000.00 for College of Social Work Emergency Fund; \$1,000.00 for College of Engineering Special Fund; \$500.00 for College of Law Student Financial Aid Fund; \$500.00 for College of Law Advancement Fund; and \$200.00 for Yassenoff Polar Studies Fund.

\$37,500.00 - Shell Companies Foundation, Inc., Houston, Texas--\$7,500.00 for Shell Companies Foundation Fund for Chemical Engineering; \$7,500.00 for Shell Companies Foundation Fund for Metallurgical Engineering; \$7,500.00 for Shell Graduate Aid for Computer and Information Science in Engineering; \$7,500.00 for Shell Companies Foundation Fund for Electrical Engineering; and \$7,500.00 for Shell Companies Foundation Fund for Chemistry.

February 5, 1982 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

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

\$24,000.00 - Mr. and Mrs. Howard E. LeFevre, Newark, Ohio (3,000 shares of Capitol Corporation stock), for Howard E. and Catharine Bonner LeFevre Fund.

\$20,000.00 - Mansfield University Foundation, Mansfield, Ohio, for Mansfield Campus Scholarship Fund.

\$15,400.00 - Trust Under the Will of Anna Roessler, Columbus, Ohio, for Samuel J. Roessler Memorial Fund.

\$15,000.00 - Needham, Harper & Steers, New York, New York, for WOSU Support Fund.

\$15,000.00 - SCOA Foundation, Inc., Columbus, Ohio, for Joseph S. Platt-Porter, Wright, Morris & Arthur Professorship in Law Fund.

\$14,770.00 - General Motors Corporation, Warren, Ohio, for General Motors Corporation Scholarship Fund.

\$13,943.33 - Wyeth Labs, Philadelphia, Pennsylvania--\$8,250.00 for Cancer Research Center Fund and \$5,693.33 for Menopausal Patient Follow-up Project.

\$12,660.00 - Amoco Foundation, Inc., Chicago, Illinois, for Amoco Foundation, Inc., Fellowship in Chemistry.

\$11,808.22 - University Eye Surgeons, Inc., Columbus, Ohio, for Eye Bank Fund.

\$10,000.00 - Exxon Education Foundation, New York, New York, for Exxon Fellowship in Metallurgical Engineering.

\$10,000.00 - Brad Marks Productions, Inc., Los Angeles, California, for Cheerleaders Scholarship Fund.

\$9,200.00 - Eastman Kodak Company, Rochester, New York--\$2,000.00 for Eastman Kodak Scholarship in Industrial Engineering; \$1,500.00 for Eastman Kodak Scholarship in Chemical Engineering; \$1,500.00 for Eastman Kodak Scholarship in Electrical Engineering; \$1,500.00 for Eastman Kodak Scholarship in Mechanical Engineering; \$900.00 for ISE Advancement Fund; \$600.00 for I. G. Brenner Fund for Engineering; \$600.00 for Department of Chemical Engineering Support Fund; and \$600.00 for Electrical Engineering Chairman's Discretionary Fund.

\$8,864.90 - Griffith Foundation for Insurance Education, Columbus, Ohio, for Charles W. Griffith Memorial Fund.

February 5, 1982 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

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

\$8,790.96 - Reproductive Research and Education Association, Columbus, Ohio (given in the names of George Johnson, M.D., Richard Bump, M.D., Belinda Bryan, Chad Friedman, M.D., Mary L. Summer, A. Huneke, M.D., John Michael Williams, Yong Pak, M.D., and William Rigsby, M.D.), for EPR-OBS Fund.

\$8,334.00 - H. J. Heinz Company Foundation, Pittsburgh, Pennsylvania, for Endowed Professorship in Plant Protection.

\$8,000.00 - Phillips Petroleum Foundation, Inc., Bartlesville, Oklahoma, for Phillips Petroleum Company Fellowship Fund.

\$8,000.00 - The Standard Oil Company, Cleveland, Ohio, for Sohio Fellowship in Chemistry.

\$6,255.45 - Lyman J. Strong, Lima, Ohio, undesignated.

\$6,000.00 - The American Society for Nondestructive Testing, Inc., Columbus, Ohio, for The American Society for Nondestructive Testing Fellowship Fund.

\$6,000.00 - Cravat Coal Company, Cadiz, Ohio, for Ohio 4-H Foundation Support Fund.

\$5,000.00 - Alcoa Foundation, Pittsburgh, Pennsylvania, for Advanced Design Methods Laboratory--Mechanical Engineering.

\$5,000.00 - Gannett Newspaper Foundation, Rochester, New York, for Journalism Director's Special Fund.

\$5,000.00 - Petersen Manufacturing Company, Inc., DeWitt, Nebraska, for Robert E. Oscar Professorship in International Business.

\$5,000.00 - Estate Under the Will of Carl W. Rodewig, Wheeling, West Virginia, for College of Pharmacy Advancement Fund.

Gift-in-Kind

\$12,500.00 - Paul Fekula, Elmhurst, New York, a 1488 Bohemian Bible.

February 5, 1982 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION

Federal Research Contracts/Grants

\$225,984.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, "Resonant Structure NCTR" (Non-Cooperative Target Recognition), Department of Electrical Engineering, ElectroScience Laboratory (J. D. Young), 15 January 1982 through 30 September 1982. (Project 762920 - Continuation)

\$190,117.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Division of Research Resources, Bethesda, Maryland, General Clinical Research Center, College of Medicine - Administration (M. Tzagournis) and Department of Medicine (W. B. Malarkey), 1 December 1981 through 30 November 1982. (Project 761196 - Continuation)

\$176,000.00 - Department of the Air Force, Rome Air Development Center (AFSC), Griffiss Air Force Base, New York, Advanced SATCOM ECCM Techniques, Department of Electrical Engineering, ElectroScience Laboratory (A. A. Ksienski), 4 February 1982 through 30 September 1982. (Project 762948 - Continuation)

\$174,660.00 - Department of Education, National Institute of Education, Washington, D. C., Research Program on Employability, The National Center for Research in Vocational Education (R. E. Taylor), 1 December 1981 through 31 January 1982. (Project 762530 - Continuation)

\$140,000.00 - Department of the Air Force, Electronics System Division, Air Force Systems Command (AFSC), Hanscom Air Force Base, Massachusetts, Theoretical Studies on Determinations, Predictions, and Accuracies of Geodetic Parameters and Gravimetric Quantities, Department of Geodetic Science and Surveying (U. A. Uotila), 10 November 1981 through 9 November 1984. (Project 762947 - Continuation)

\$100,712.00 - Department of Health and Human Services, Public Health Service, Food and Drug Administration, Rockville, Maryland, A Study to Develop an Experimental Disease Model in Horses, Department of Veterinary Physiology and Pharmacology (T. E. Powers), 29 September 1981 through 27 September 1982. (Project 761916 - Continuation)

\$92,456.00 - National Endowment for the Humanities, Washington, D. C., Project for the Development of Individualized Instruction Materials for Elementary Chinese, Department of East Asian Languages and Literatures (T. Light and G. Walker), 1 January 1982 through 31 December 1982. (Project 762955 - New)

\$86,428.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Child Health and Human Development, Bethesda, Maryland, Comparative Studies in Perinatal Toxicology, Department of Veterinary Physiology and Pharmacology (R. A. Yeary), 1 December 1981 through 30 November 1982. (Project 762962 - Continuation)

February 5, 1982 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

\$80,816.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Heart, Lung and Blood Institute, Bethesda, Maryland, Pathogenesis of Experimental Atherosclerosis, Department of Physiological Chemistry (D. G. Cornwell), 1 December 1981 through 30 November 1982. (Project 762525 - Continuation)

\$80,000.00 - Department of the Air Force, Electronic Systems Division, Air Force Systems Command (AFSC), Hanscom Air Force Base, Massachusetts, The Study of Gravity Field Estimation Procedures, Department of Geodetic Science and Surveying (R. H. Rapp), 10 December 1981 through 30 November 1984. (Project 762959 - Continuation)

\$75,503.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Arthritis, Diabetes, Digestive and Kidney Diseases, Bethesda, Maryland, Antivascular Endothelial Antibody in Transplantation, Department of Surgery (J. Cerilli), 1 December 1981 through 30 November 1982. (Project 763857 - Continuation)

\$64,978.00 - National Aeronautics and Space Administration, Jet Propulsion Laboratory, California Institute of Technology, Pasadena, California, A Study of the Meteorological Factors in Earth Satellite Propagation, Department of Electrical Engineering, ElectroScience Laboratory (C. A. Levis), 1 December 1981 through 31 March 1982. (Project 762612 - Continuation)

\$62,550.00 - National Science Foundation, Washington, D. C., Purchase of a Gas Chromatograph/Mass Spectrometer, Department of Chemistry (A. A. Wojcicki), 15 December 1981 through 31 December 1982. (Project 762954 - New)

\$61,695.00 - National Science Foundation, Washington, D. C., Single-Atom Peri-Bridged Arenes and Hetarenes: Carbenic Processes, Department of Chemistry (H. Schechter), 1 December 1981 through 30 November 1982. (Project 762529 - Continuation)

\$59,000.00 - National Science Foundation, Washington, D. C., Chemistry and Spectroscopy of High Energy Intermediates, Department of Chemistry (M. S. Platz), 1 December 1981 through 30 November 1982. (Project 761654 - Continuation)

\$57,967.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Heart, Lung and Blood Institute, Bethesda, Maryland, Subunit Studies of a Heart Respiratory Complex, Department of Physiological Chemistry (J. S. Rieske), 1 December 1981 through 30 November 1982. (Project 762285 - Continuation)

February 5, 1982 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

\$40,689.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Neurological and Communicative Disorders and Stroke, Bethesda, Maryland, Control of Synaptogenesis in Cultures of the CNS, Department of Anatomy (R. W. Burry), 1 December 1981 through 30 November 1982. (Project 761963 - Continuation)

\$38,043.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute on Aging, Bethesda, Maryland, Enzyme Aging and Gene Expression in Anucleate Cells, Department of Microbiology (J. N. Reeve), 1 December 1981 through 30 November 1982. (Project 762514 - Continuation)

\$33,771.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Allergy and Infectious Diseases, Bethesda, Maryland, Acanthamoeba Strain Comparisons: Mitochondrial DNA, Department of Microbiology (T. J. Byers), 1 December 1981 through 30 November 1982. (Project 762493 - Continuation)

\$30,000.00 - National Aeronautics and Space Administration, Lewis Research Center, Cleveland, Ohio, Effects of Ice Formation on 2-D Aerodynamic Shapes, Department of Aeronautical and Astronautical Engineering (G. M. Gregorek), 5 December 1981 through 5 June 1982. (Project 762009 - Continuation)

\$27,274.00 - Department of the Air Force, Electronic Systems Division, Air Force Systems Command (AFSC), Hanscom Air Force Base, Massachusetts, RCS Studies of Jet Intakes, Department of Electrical Engineering, ElectroScience Laboratory (P. Pathak), 1 October 1981 through 1 March 1982. (Project 762016 - Continuation)

\$26,882.00 - Department of Transportation, National Highway Traffic Safety Administration, Vehicle Research and Test Center, East Liberty, Ohio, Light Truck Side Structure Evaluation, Department of Mechanical Engineering (D. A. Guenther), 1 January 1982 through 2 July 1982. (Project 762963 - Continuation)

\$26,599.00 - National Science Foundation, Washington, D. C., Comparative Cytology of Selected Chlorophyta, Department of Botany (G. L. Floyd), 1 January 1982 through 31 December 1982. (Project 761939 - Continuation)

\$20,500.00 - National Science Foundation, Washington, D. C., Verification of Constitutive Relations for Silage Through Full-Scale Silo Measurements, Department of Civil Engineering (A. G. Bishara), 1 December 1981 through 30 June 1983. (Project 761960 - Continuation)

February 5, 1982 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

\$18,891.00 - Department of the Army, Headquarters U. S. Army Communications-Electronics Command and Fort Monmouth, Fort Monmouth, New Jersey, Computer Communication Protocols for Advanced Communication Systems, Department of Computer and Information Science (M. T. Liu), 1 January 1982 through 22 June 1982. (Project 762718 - Continuation)

\$8,000.00 - National Aeronautics and Space Administration, Langley Research Center, Hampton, Virginia, Bellanca Skyrocket Natural Laminar Flow Flight Research, Department of Aeronautical and Astronautical Engineering (G. Gregorek) and Department of Aviation (G. S. Weislogel), 1 November 1981 through 6 February 1982. (Project 762359 - Continuation)

\$6,000.00 - Department of Energy, Chicago Operations Office, Argonne, Illinois, Development and Optimization of Methodologies for Analysis of Complex Hydrocarbon Mixtures, Department of Chemistry (R. J. Laub), 1 January 1982 through 31 December 1982. (Project 761982 - Continuation)

\$5,950.00 - National Science Foundation, Washington, D. C., Deducing Glacial and Climatic Changes from the Byrd Station, Antarctica, Ice Core, Institute of Polar Studies and Department of Geology and Mineralogy (I. M. Whillans), 1 April 1982 through 31 March 1984. (Project 762964 - New)

\$5,000.00 - National Aeronautics and Space Administration, Ames Research Center, Moffett Field, California, Experimental Investigation of Flow Fields of Rotors in Hover with Modified Tips, Department of Mechanical Engineering (H. R. Velkoff), 1 October 1981 through 1 March 1982. (Project 760964 - Continuation)

\$4,514.00 - National Science Foundation, Washington, D. C., Geometry of Banach Spaces, Department of Mathematics (W. B. Johnson), 3 December 1981 through 30 September 1982. (Project 761663 - Continuation)

\$1,000.00 - Department of Transportation, National Highway Traffic Safety Administration, Vehicle Research and Test Center, East Liberty, Ohio, Pedestrian Impact Modeling, Department of Mechanical Engineering (D. A. Guenther), 1 January 1982 through 31 March 1982. (Project 762430 - Continuation)

TOTAL - FEDERAL RESEARCH CONTRACTS/GRANTS **\$2,021,979.00**

State of Ohio Research Contracts/Grants

\$49,986.00 - State of Ohio, Department of Mental Retardation and Developmental Disabilities Planning Council, Columbus, Ohio, Deinstitutionalization Task Force, Nisonger Center for Mental Retardation (H. Leland), 1 February 1981 through 30 June 1982. (Project 762593 - Continuation)

February 5, 1982 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

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

\$20,500.00 - World Health Organization, Geneva, Switzerland, Identification, Analysis and Implementation of a Network for the Biological Control of Vectors, Department of Entomology (J. D. Briggs), 1 January 1982 through 31 December 1982. (Project 760988 - Continuation)

\$20,356.00 - American Cyanamid Company, Princeton, New Jersey, The Effects of Levamisole Phosphate on the Bovine Respiratory Disease Complex, Department of Veterinary Preventive Medicine (N. R. Hartwig), 1 December 1981 through 28 February 1982. (Project 762953 - New)

\$20,000.00 - City of Columbus, Division of Fire, Columbus, Ohio, City of Columbus Fire Project, College of Administrative Science - Continuing Education (J. J. Stanley), 1 October 1981 through 31 December 1981. (Project 762950 - Continuation)

\$10,478.00 - Southeastern Ohio Technical Education Consortium, Nelsonville, Ohio, Cooperative Agreement - The Ohio State University Research Foundation and The Southeastern Ohio Technical Education Consortium, Cooperative Extension Service - Field Operations (C. J. Cunningham), 14 September 1981 through 31 December 1981. (Project 762956 - New)

\$2,245.00 - State Research Associates, Lexington, Kentucky, Technical Assistance, The National Center for Research in Vocational Education (R. E. Taylor), 1 November 1981 through 31 December 1981. (Project 768036 - New)

\$2,000.00 - Greater Columbus Arts Council, Columbus, Ohio, Public Film/Video Exhibition in Columbus 1981/1982, Department of Photography and Cinema (J. R. Green), 1 December 1981 through 30 November 1982. (Project 762958 - New)

\$2,000.00 - Western Nevada Community College, Carson City, Nevada, National Alliance of Postsecondary Education Institutions/Districts, The National Center for Research in Vocational Education (R. E. Taylor), 1 July 1981 through 30 June 1982. (Project 761599 - Continuation)

\$1,500.00 - Astra Lakemedel AB, Sodertalje, Sweden, Dosage Form Design and Development, College of Pharmacy (S. G. Frank), 1 January 1981 through 31 December 1982. (Project 762165 - Continuation)

TOTAL - INDUSTRIAL, PRIVATE, AND OTHER NON-FEDERAL RESEARCH CONTRACTS/GRANTS **\$ 355,311.00**

February 5, 1982 meeting, Board of Trustees

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

ENGINEERING EXPERIMENT STATION

Industrial and Other Sponsored Research and Development

\$196,690.00 - Forty sponsors for 47 development projects under the direction of six departments and four research areas.

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND

Establishment of Named Funds

Dr. Howard Dexter Brown Scholarship Fund

The Dr. Howard Dexter Brown Scholarship Fund was established February 5, 1982, by the Board of Trustees of The Ohio State University with a gift to The Ohio State University Development Fund from the Estate of Elsie Beulah Brown, Worthington, Ohio.

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

The annual income is to be used to provide a scholarship(s) to assist a student(s) in the field of food technology in the Department of Horticulture of the College of Agriculture and Home Economics. The designation of the recipient(s) is to be based on the recommendation of the Dean of the College of Agriculture and Home Economics in cooperation with the appropriate academic unit. The Dean shall also approve expenditures of this scholarship fund. In the event that the scholarship is unused, the annual income shall be added to the principal of the scholarship fund.

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

The W. Arthur Cullman Symposium Fund

The W. Arthur Cullman Symposium Fund was established February 5, 1982, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from family and friends of Dr. W. Arthur Cullman in honor of his outstanding teaching and research as a member of the marketing faculty for 35 years.

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

February 5, 1982 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

Establishment of Named Funds (contd)

The W. Arthur Cullman Symposium Fund (contd)

The annual income is to be used by the College of Administrative Science to support expenses of periodic symposia which will attract nationally prominent scholars and practitioners in the field of business policy and strategy.

Should the need for this fund cease to exist or so diminish as to provide unused income, the income may be used for any other purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the College of Administrative Science.

The Irving Abramowitz Memorial Professorship Fund

The Irving Abramowitz Memorial Professorship Fund was established February 5, 1982, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from the family and friends of Irving Abramowitz of San Rafael, California.

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

The annual income is to be used to provide support for the work of a distinguished teacher, researcher and scholar in business policy and ethics in the business policy faculty area of the College of Administrative Science. Appointment to the Abramowitz Professorship will be recommended by the Dean of the College of Administrative Science to the President and approved by the Board of Trustees.

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

It is the intention of the donors of the fund to establish either a chair when the fund reaches \$750,000 or a professorship when the fund reaches \$250,000. All income and future gifts from the fund shall be added to principal until the determination is made by members of the Abramowitz family.

February 5, 1982 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

Establishment of Named Funds (contd)

The Jimmie L. Huitt, Jr., Fund

The Jimmie L. Huitt, Jr., Fund was established February 5, 1982, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from Mr. Jimmie L. Huitt, Jr., '72.

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

The annual income from the principal is to be used to support scholarship and honors among the students in the College of Administrative Science at the discretion of the Dean of the College of Administrative Science.

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

Robert E. Oscar Professorship in International Business Fund

The Robert E. Oscar Professorship in International Business Fund was established February 5, 1982, by the Board of Trustees of The Ohio State University with a bequest to The Ohio State University Development Fund from Robert E. Oscar, B.S.Bus. Adm. '38, of Chicago, Illinois.

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

The annual income from this endowment is to be added to the principal until this amount, along with additional gifts and bequests, is sufficient to establish the professorship. At the time when the professorship is fully funded, the annual income is to be used to provide salary and program support for the work of a distinguished scholar and teacher in international business. Appointment to the Oscar Professorship will be recommended by the Dean of the College of Administrative Science to the President and approved by the Board of Trustees.

In the event that sufficient funds are not available to establish the professorship, the amount accumulated is to be used for the purpose of establishing the Robert E. Oscar Scholarship in International Business. The annual income is to be used for students who are majoring in international business and who have demonstrated academic ability and need for financial

February 5, 1982 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

Establishment of Named Funds (contd)

Robert E. Oscar Professorship in International Business Fund (contd)

assistance. The selection of the recipient is to be made upon the recommendation of the University Scholarship Committee in cooperation with the Dean of the College of Administrative Science.

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

The J. Norman Staiger/OSU Men's Glee Club Memorial Scholarship

The J. Norman Staiger/OSU Men's Glee Club Memorial Scholarship was established February 5, 1982, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from friends and members of the OSU Men's Glee Club in memory of J. Norman Staiger, M.A. '58, Professor Emeritus of voice and Director of the club for more than a quarter of a century.

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

The annual income is to be awarded to one or more talented undergraduate students who have successfully completed at least one year as members of the Men's Glee Club. Recipients will be determined by the established procedures within the School of Music, with final approval by the Director of the Men's Glee Club and the Director of the School of Music.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to (1) vocal students and/or (2) music majors recommended by the appropriate administrative official of the University responsible for music education.

Roy E. and Zelma L. Roeder Memorial Fund

The Roy E. and Zelma L. Roeder Memorial Fund was established February 5, 1982, by the Board of Trustees of The Ohio State University with a gift to The Ohio State University Development Fund from Mr. Eugene M. and Mrs. Marjorie L. (Roeder) White. The fund honors the memory of Roy E. and Zelma L. Roeder, parents of Mrs. White.

February 5, 1982 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

Establishment of Named Funds (contd)

Roy E. and Zelma L. Roeder Memorial Fund (contd)

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

The annual income is to be used in support of programs in business and/or music at The Ohio State University at Lima. A portion of the income will be awarded annually as the "Roy and Zelma Roeder Award" to the outstanding student(s) in music and business. Recipient(s) of the award will be selected by the dean and director or his designee. The remainder of the income will be used to benefit the music and/or business programs on the Lima Campus. All expenditures must be approved by the dean and director in consultation with the vice president for regional campuses.

Should the need for this fund cease to exist or so diminish as to provide unused income, the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to the recommendations of the vice president for regional campuses in consultation with the administrators of the Lima Campus.

The Elizabeth Kiss Amstutz Scholarship Fund

The Elizabeth Kiss Amstutz Scholarship Fund was established February 5, 1982, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from Daniel G. Amstutz, B.S.Bus.Adm. '54.

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

The annual income is to be used to provide scholarships for one or more talented undergraduate or graduate students in the College of Humanities. Recipients will be determined by the established procedures within the college with final approval by the dean, who will also approve requisitions for payment.

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

February 5, 1982 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

Establishment of Named Funds (contd)

The Gordon M. Amstutz Scholarship Fund

The Gordon M. Amstutz Scholarship Fund was established February 5, 1982, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from Daniel G. Amstutz, B.S.Bus.Adm. '54.

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

The annual income is to be used to provide scholarships for one or more students in the College of Engineering. The selection of the recipient(s) shall be made by the University Committee on Student Financial Aids with recommendations from the dean of the College of Engineering.

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

The Loudenslager Scholarship Fund

The Loudenslager Scholarship Fund was established February 5, 1982, by the Board of Trustees of The Ohio State University with a gift to The Ohio State University Development Fund from Mr. and Mrs. Forest D. Loudenslager, Marion, Ohio.

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

The annual income is to be used to provide one or more scholarships awarded annually to deserving students of merit who are entering The Ohio State University at Marion, Ohio, and who express an interest in pursuing study leading to a degree awarded by the College of Agriculture and Home Economics. The selection of the recipient is to be made upon the recommendation of The Ohio State University Marion Campus Scholarship Committee in consultation with the Vice President for Regional Campuses and Dean of University College. Consideration shall be limited to students who are residents of Marion or Wyandot or Crawford or Morrow or Delaware or Union or Hardin County, Ohio.

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

February 5, 1982 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

Establishment of Named Funds (contd)

Renal Research and Development Fund

The Renal Research and Development Fund was established February 5, 1982, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund by alumni and friends of the Division of Renal Diseases, Department of Medicine.

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

The principal and/or income is to be used to support and advance the Division of Renal Diseases and research within the Division of Renal Diseases.

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

The Katrina Louise Winzenried Memorial Scholarship Fund

The Katrina Louise Winzenried Memorial Scholarship Fund was established February 5, 1982, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from the family and friends of Katrina Louise Winzenried.

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

The annual income is to be used to provide one or more scholarships for students at The Ohio State University with first preference given to students from Hardin County, Ohio. Applicants who have demonstrated academic ability will be given favored consideration. The selection of the recipient(s) shall be made by the University Committee on Student Financial Aids with recommendations from any of the following:

1. Hardin County OSU Alumni Club
2. Hardin County High School Principals

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any scholarship purposes whatsoever as determined by the Board of Trustees with recommendations from the University Scholarship Committee.

February 5, 1982 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

Change in Name and Description of Named Fund

From: William H. Davis Scholarship Fund for Basic Medical Research
To: William H. Davis Endowment for Basic Medical Research

This Fund was established February 6, 1981, by the Board of Trustees of The Ohio State University with a gift to The Ohio State University Development Fund from William H. Davis, B.S.Bus.Adm. '26, of Columbus, Ohio.

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

The annual income is to be used to support basic research in medicine to provide one or more scholarships to young scientists who have shown an interest in academic medicine as a career. All recipients should have an M.D. degree and should have had at least three years of training in research or in a graduate discipline. Income from the Fund will pay for expenses other than for the salaries of the researchers, provided that, if more than four researchers are employed at any one time and if income from the Fund is then sufficient, it may be used for salaries of researchers in excess of four individuals. During the first two years of the Fund's operation, the income should be equally divided between the Department of Surgery and the Department of Medicine. Thereafter, the division of funds will be determined by the Advisory Board.

There shall be an annual deadline for the submission of applications to become "Davis Scholars." Prospective scholars may be nominated by any faculty member in the Departments of Medicine or Surgery. The selection of research projects and the appointment of "Davis Scholars" will be made upon the recommendation of the Dean of the College of Medicine and Vice President for Health Sciences, in cooperation with an Advisory Board named by the Vice President for Health Sciences and whose members will include three (3) from within the University and two (2) non-physician representatives from outside the University, for a total of five. The members from the community-at-large should be individuals of considerable accomplishment in their respective fields, whether that be business, law, journalism or any other profession. Dorothy M. Davis and William C. Davis shall be members of the Advisory Board during their lifetimes or as long as they wish to serve, and in the event the service of either should terminate, the replacement shall be an individual who is qualified as stated above and who is nominated for this purpose by William H. Davis by letter or by will. All expenditures shall be approved by the Dean of the College of Medicine and the Chairman of the department from which the scholar is selected and/or from which the research project originated.

Any income resulting from the research provided by the Fund will be added to and maintained as part of the principal of the Fund in accordance with University policies on copyrights and patents. "Davis Scholars" may accept temporary assignments at other institutions to further their research, in accordance with the personnel policies of the University, but should return to Ohio State for a minimum of two years to teach and/or continue their research efforts.

February 5, 1982 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

William H. Davis Endowment for Basic Medical Research (contd)

If at a later date a gift is received from Dorothy M. Davis, the name of the Fund shall be changed to the WILLIAM H. AND DOROTHY M. DAVIS ENDOWMENT FOR BASIC MEDICAL RESEARCH. An annual report of income and expenditures shall be prepared for the Advisory Board and William H. Davis, Dorothy M. Davis and William C. Davis.

Should the need for these scholarships and/or research projects cease to exist or so diminish as to provide unused income, then the income may be applied to principal or used only for basic medical research purposes recommended by the appropriate administrative official of the University who is then directly responsible for basic medical research.

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**EMPLOYMENT OF ARCHITECT/ENGINEER AND
REQUEST FOR CONSTRUCTION BIDS**

Resolution No. 82-67

STUDENT SERVICES BUILDING RENOVATION

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

WHEREAS the Student Services Building was constructed in 1910 and has now deteriorated to the point where immediate attention must be given to the building in order to save it from complete deterioration; and

WHEREAS it is necessary to make repairs to the roof, the masonry and the foundation walls, and to replace the original wooden windows; and

WHEREAS \$650,000.00 has been appropriated in Amended Substitute House Bill 552 for this purpose:

NOW THEREFORE

BE IT RESOLVED, That the Vice President for Business and Administration be authorized to proceed to select a qualified architectural/engineering firm for this project from the lists of firms requested from and provided by the Department of Administrative Services; and that the fee for these architectural/engineering services be negotiated between the firm selected and the Department of Administrative Services, Division of Public Works; and

February 5, 1982 meeting, Board of Trustees

**EMPLOYMENT OF ARCHITECT/ENGINEER AND
REQUEST FOR CONSTRUCTION BIDS (contd)**

STUDENT SERVICES BUILDING RENOVATION (contd)

BE IT FURTHER RESOLVED, That the Vice President for Business and Administration be authorized to proceed to request construction bids on this project in accordance with established University procedures, and if satisfactory bids are received, to recommend to the Department of Administrative Services, Division of Public Works, the award of contracts, with all actions to be reported to this Board at the appropriate time.

Upon motion of Mr. Immke, seconded by Mr. Havens, the foregoing resolution was adopted by unanimous roll call vote.

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**EMPLOYMENT OF ARCHITECT/ENGINEER AND
REQUEST FOR CONSTRUCTION BIDS**

Resolution No. 82-68

STADIUM SCHOLARSHIP DORMITORIES - REPAIR AND RENOVATION

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

WHEREAS extensive investigations and engineering studies have revealed the need to repair and renovate the scholarship cooperative dormitory space underneath the west side of the Ohio Stadium; and

WHEREAS this area houses over 300 students and this project will improve environmental conditions and safety within the area, including correction of current code deficiencies, improvements for handicapped accessibility and energy efficiency; and renovation work which will extend the life of the current space; and

WHEREAS \$5,114,920.00 has been provided by Residence and Dining Halls for this purpose:

NOW THEREFORE

BE IT RESOLVED, That the Vice President for Business and Administration be authorized to proceed to select a qualified architectural/engineering firm for this project from the lists of firms requested from and provided by the Department of Administrative Services; and that the fee for these architectural/engineering services be negotiated between the firm selected and the Department of Administrative Services, Division of Public Works; and

BE IT FURTHER RESOLVED, That the Vice President for Business and Administration be authorized to proceed to request construction bids on this project in accordance with established University procedures, and if satisfactory bids are received, to recommend to the

February 5, 1982 meeting, Board of Trustees

**EMPLOYMENT OF ARCHITECT/ENGINEER AND
REQUEST FOR CONSTRUCTION BIDS (contd)**

STADIUM SCHOLARSHIP DORMITORIES - REPAIR AND RENOVATION (contd)

Department of Administrative Services, Division of Public Works, the award of contracts, with all actions to be reported to this Board at the appropriate time.

Upon motion of Mr. Immke, seconded by Dr. Jacob, the foregoing resolution was adopted by unanimous roll call vote.

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PLANS AND SPECIFICATIONS

Resolution No. 82-69

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

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

**NATIONAL ENERGY CONSERVATION POLICY ACT (NECPA)
TITLE III PROGRAM - CYCLE II**

**McCRACKEN POWER PLANT - DESUPERHEATERS
AND PIPING INSULATION RETROFIT - ECM-3**

Project: Installation of a desuperheater in the Power Plant to reduce temperature of steam distribution through the system, and to also install additional insulation on piping in selected areas in the five-mile tunnel system to further reduce heat losses; these modifications will substantially save dollars in energy costs and will have a two-and-one-half-year payback.

Funding: Federal Grant, Ohio Board of Regents, University Funds (B/A 885147)

Estimated Project Cost: \$518,604.00

NOW THEREFORE

BE IT RESOLVED, That the plans and specifications, bills of materials, and estimates of cost for the project listed above be approved and that the President and/or Vice President for Business and Administration be authorized to sign the plans and specifications for this project and in accordance with established University procedures, to request construction

February 5, 1982 meeting, Board of Trustees

PLANS AND SPECIFICATIONS (contd)

**NATIONAL ENERGY CONSERVATION POLICY ACT (NECPA)
TITLE III PROGRAM - CYCLE II**

**McCRACKEN POWER PLANT - DESUPERHEATERS
AND PIPING INSULATION RETROFIT - ECM-3 (contd)**

bids and, if satisfactory bids are received, to recommend to the Department of Administrative Services, Division of Public Works, the award of necessary contracts, with all actions to be reported to this Board at the appropriate time; and

BE IT FURTHER RESOLVED, That all actions related to the award of construction contracts for this project shall be contingent upon approval by the Controlling Board for the release of the Ohio Board of Regents matching funds appropriated to the Regents for this project in Amended Substitute House Bill 552.

Upon motion of Mr. Galbreath, seconded by Mr. Immke, the foregoing resolution was adopted by unanimous roll call vote.

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PLANS AND SPECIFICATIONS

Resolution No. 82-70

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

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

GAS LINE PROTECTION

Project: Installation of protection on OSU gas distribution lines to reduce the rate of deterioration and extend the life of the system. It will include the installation of electric isolators to insulate and sectionalize pipes. Cathodic protection will be installed to decrease the rate of corrosion.

Funding: Amended Substitute House Bill 552 (Utilities and Renovation)

Estimated Project Cost: \$150,000.00

The estimates of cost for the following projects for parking lot maintenance have been increased from amounts originally approved by the Board on April 3, 1981. The initial approval included only projects for the fiscal year 1981; these revised projects have been expanded to include work not completed in 1981, plus work planned for 1982. The type of work remains the same.

February 5, 1982 meeting, Board of Trustees

PLANS AND SPECIFICATIONS (contd)

**PARKING LOT MAINTENANCE, 1981-82
RESURFACING AND DRAINAGE MODIFICATIONS**

Project: Resurfacing and drainage modifications will be accomplished for the following parking lots:
Dentistry Lot
French Field House/St. John Arena - North Lot
Printing Facility - East Lot
Tuttle Park Lots 3 and 4 West and 1 and 2 East
Water Resources Lot
French Field House - South Lot
Fawcett Center - North and South Lots
Transportation Lot

Funding: Budget Account 885071

Estimated Project Cost: \$572,969.00

**PARKING LOT MAINTENANCE, 1981-82
PATCH, REPAIR AND SLURRY SEAL**

Project: Patch, repair and slurry seal work will be accomplished due to deterioration on the following lots:
University Airport - Main Parking Lot
Dodd Hall - South Lot
Research Center Lots

Funding: Budget Account 885071

Estimated Project Cost: \$214,167.00

**PARKING LOT MAINTENANCE, 1981-82
PATCH, REPAIR AND EMULSION SEAL COAT**

Project: Patching, repairing and seal coating will be accomplished for the following parking lots due to deterioration:
Women's Field House
Drackett (North of Curl Drive)
Cunz Hall
Kinsman (Belmont and 10th Avenue)
Sisson Hall (Northeast)
Laundry
Goss Laboratory

Funding: Budget Account 885071

Estimated Project Cost: \$46,635.00

February 5, 1982 meeting, Board of Trustees

PLANS AND SPECIFICATIONS (contd)

NOW THEREFORE

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

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

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

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**REPORT OF AWARD OF CONTRACT AND
ESTABLISHMENT OF CONTINGENCY FUND**

Resolution No. 82-71

Synopsis: A contract has been awarded for the project listed below to the lowest and best bidder in accordance with University procedures.

WHEREAS a resolution adopted by the Board of Trustees at a previous meeting authorized the President and/or Vice President for Business and Administration to sign the plans and specifications and, in accordance with established University procedures, to request bids and, if satisfactory bids were received, to recommend to the Department of Administrative Services, Division of Public Works, the award of a contract for the following project:

OHIO UNION, REPLACE ELEVATOR

Description: Installation of new passenger elevator to replace obsolete elevator for which repair parts are no longer available. The new elevator will be complete with handicapped features added.

General Contract

Date Received:	December 9, 1981
No. of Bids:	2
Low Bid:	\$ 78,839.00*
High Bid:	\$102,198.00*
Estimate of Cost:	\$115,000.00*
Awarded to:	Dover Elevator, Columbus, Ohio

* Recommended Alternates reflected in these figures.

February 5, 1982 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACT AND
ESTABLISHMENT OF CONTINGENCY FUND (contd)**

OHIO UNION, REPLACE ELEVATOR (contd)

Total Contract: \$ 78,839.00
Total Contingency Allowance: \$ 5,075.86 which is 6 per cent of construction contract
Total Project Cost: \$ 86,000.00
Funding: Budget Account 885160

NOW THEREFORE

BE IT RESOLVED, That pursuant to the actions previously authorized by the Board, the award of a contract and the establishment of project funds and a contingency fund for the project listed above are hereby reported.

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

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**SALE OF PROPERTY - 111.508 ACRES IN PLEASANT TOWNSHIP,
FRANKLIN COUNTY, OHIO (HENDERSON FARM)**

Resolution No. 82-72

Synopsis: Sale of the University's interest in 111.508 acres of the Henderson Farm in Pleasant Township of Franklin County is proposed.

WHEREAS pursuant to the Last Will and Testament of Dr. Roger C. Henderson, this Board acquired an undivided one-half interest in a certain approximately 228.61-acre tract of real property (known as the Henderson Farm) located in Pleasant Township, Franklin County, Ohio, which real property is more particularly described in the Certificate of Transfer issued by the Greene County, Ohio, Probate Court on February 24, 1981, and recorded in Official Records Volume 626, pages C09 through C11, both inclusive, Recorder's Office, Franklin County, Ohio; and

WHEREAS on March 2, 1981, Margery W. Henderson, as grantor, and the Treasurer of The Ohio State University, as Trustee, entered into a Charitable Remainder Annuity Trust Agreement pursuant to which Margery W. Henderson gave, assigned, and conveyed to the Treasurer the remaining undivided one-half interest in the Henderson Farm (together with other personal property described in the Trust Agreement); and

WHEREAS the Board of Park Commissioners of the Columbus and Franklin County Metropolitan Park District has submitted an offer to purchase a 111.508-acre portion of the Henderson Farm for \$228,591.40; and

February 5, 1982 meeting, Board of Trustees

**SALE OF PROPERTY - 111.508 ACRES IN PLEASANT TOWNSHIP,
FRANKLIN COUNTY, OHIO (HENDERSON FARM) (contd)**

WHEREAS it is the desire of this Board to accept the offer of the Board of Park Commissioners and sell all of this Board's right, title, and interest in and to the 111.508-acre portion to the Board of Park Commissioners; and

WHEREAS the Treasurer, as Trustee, has agreed to this sale and authorized the University to proceed on his behalf; and

WHEREAS the University and the Treasurer, as Trustee, are in mutual agreement as to the selling price:

NOW THEREFORE

BE IT RESOLVED, That the President and/or the Vice President for Business and Administration be authorized to sell, in the name of the Board of Trustees of The Ohio State University, all of the University's right, title, and interest in and to the 111.508-acre portion of the Henderson Farm to the Board of Park Commissioners and to grant to the Board of Park Commissioners an easement running approximately along the south property line of the remaining 117.1-acre portion for ingress and egress to and from the 111.508-acre portion and Gardner Road.

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

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

Resolution No. 82-73

Synopsis: Authorization for designated officials to submit required documentation to the Ohio Public Facilities Commission and to certify compliance with the Commission's regulations is requested.

WHEREAS pursuant to Chapter 154 of the Revised Code and the regulations of the Ohio Public Facilities Commission, each State institution of higher education, to which funds are appropriated in Amended Substitute House Bill 552 enacted by the 114th General Assembly, is required to authorize a designated official to sign and submit to the Ohio Public Facilities Commission documentation required with respect to the individual projects for which funds are appropriated; and

WHEREAS in submitting this documentation each institution is required to permit the Commission to use designated institutional sites for the purpose of these projects and to agree to undertake the performance of the functions and responsibilities of a using governmental agency as provided in the Commission's regulations with respect to such projects:

February 5, 1982 meeting, Board of Trustees

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

NOW THEREFORE

BE IT RESOLVED, That the President and/or Vice President for Business and Administration be authorized to complete, sign, and submit to the Ohio Public Facilities Commission documentation required by the Commission for any or all of the projects for The Ohio State University provided for or pursuant to the appropriations made under Section 11 of Amended Substitute House Bill 552 enacted by the 114th General Assembly; and

BE IT FURTHER RESOLVED, That this Board agrees to permit the Ohio Public Facilities Commission to use designated University sites for the purpose of such projects, the boundaries of which will be shown in the plans for such projects, for so long as the respective notes, if any, and bonds issued to finance the projects shall be outstanding; and

BE IT FURTHER RESOLVED, That this Board agrees to undertake performance of the functions and responsibilities of a using governmental agency, and of a designated governmental agency to the extent it is such, as provided in the regulations of the Ohio Public Facilities Commission and any applicable leases, agreements, or rules of the Commission with respect to such projects.

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

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APPOINTMENT OF INVESTMENT COUNSELORS

Resolution No. 82-74

Synopsis: Appointment of Investment Counselors is being proposed.

BE IT RESOLVED, That upon the recommendation of the Fiscal Affairs Committee, the following investment policies pertaining to the University's Endowment Investments Portfolio be implemented in accordance with the terms and conditions set forth.

Reappointment of the following-named investment managers to counsel in Endowment investments totalling the initial amounts indicated:

The Chicago Corporation	\$14,000,000
Huntington Investment Management Corporation	\$19,500,000
Siebel Capital Management, Inc.	\$11,000,000

February 5, 1982 meeting, Board of Trustees

APPOINTMENT OF INVESTMENT COUNSELORS (contd)

Appointment of the following-named investment manager to counsel in Endowment investments totalling the initial amount indicated:

Webster Management Company	\$1,000,000
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Upon motion of Mr. Immke, seconded by Mr. Hilliker, the Board of Trustees adopted the foregoing resolution by unanimous roll call vote.

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REPORT - UNIVERSITY'S INVESTMENT PORTFOLIO

Resolution No. 82-75

RESOLVED, That the report on the University's Investment Portfolio, dated January 15, 1982, as submitted to the Fiscal Affairs Committee of the Board of Trustees, be received and filed with the official records of the Board.

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Thereupon the Board adjourned to meet Friday, March 5, 1982, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, at 1:30 p.m.

Attest:

Madison H. Scott
Secretary

Chester Devenow
Chairman

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THE OHIO STATE UNIVERSITY
OFFICIAL PROCEEDINGS OF THE
ONE THOUSAND ONE HUNDRED AND SEVENTY-SEVENTH MEETING
OF THE BOARD OF TRUSTEES

Columbus, Ohio, March 5, 1982

The Board of Trustees met at its regular monthly meeting on Friday, March 5, 1982, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, pursuant to adjournment.

Present: Chester Devenow, Chairman, Warren J Smith, John D. Jacob, D. James Hilliker, and John W. Berry.

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Minutes of the last meeting were approved.

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March 5, 1982 meeting, Board of Trustees

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

Present: Chester Devenow, Warren J Smith, John D. Jacob, D. James Hilliker, and John W. Berry.

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

President Jennings:

Mr. Chairman, at the last Board meeting some good discussion developed regarding our dormitory system. I have today requested Mr. Bill Hall to provide this Board with a general overview of The Ohio State University's Dormitory System. Mr. Hall is our Director of Residence and Dining Halls.

REPORT - THE OHIO STATE UNIVERSITY DORMITORY SYSTEM

Mr. William Hall:

Mr. Chairman, Members of the Board: I would like to present you a member of my staff that will do the overview, and the reason that I picked this individual he represents, I think, the tip of the iceberg in terms of the professionalism that exists within the Residence Hall System. Mr. Roger Meyer has over 20 years of experience in the system and has virtually worked in every functional area within the system.

Mr. Roger Meyer:

Thank you. Starting our presentation out this afternoon concerning the Residence and Dining Halls at The Ohio State University, we thought this picture of University Hall might be quite appropriate because for many people this building--University Hall--stands as a strong symbol of what the University means to them. We need to think back but a relatively few years ago when it was necessary for the University to tear down the original building to make way for the building that now stands and remember what some of the outcry was from the public and various of the alumni. Very honestly University Hall stands as a strong symbol for us in Residence and Dining Halls as well, in terms of the kind of relationship that has existed for a great many years. History tells us, for example, that in 1873 when University Hall was initially constructed and opened, that there was an area set aside on the first floor for the housing of students. History tells us that the rooms were created there by the mere hanging of curtains as room dividers. There was an area set aside for the preparation of meals and Professor Mendenhall was selected as the Head Resident and lived there in this facility with his wife and with his son. So from the very early beginning, the residential concept has been one that has been intertwined with the University in meeting its broad mission, and it's a kind of relationship that has continued to flourish over the years until the present time--today--when we find provided throughout the University campus a variety of Residence and Dining Halls facilities.

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REPORT - THE OHIO STATE UNIVERSITY DORMITORY SYSTEM (contd)

Mr. Roger Meyer: (contd)

On the north edge of campus, for example, between Lane Avenue and Woodruff Avenue, there is a North Area of residence halls. On the south edge of campus, between 12th Avenue and 11th Avenue, we have the South Area residence halls. Then just northwest of the central campus is Buckeye Village which is our family housing unit. Then along the Olentangy River we have the Olentangy Area of residence halls which consists of Lincoln Tower, Morrill Tower, and Stadium Scholarship Dormitory in the Stadium, which was an item on the Board agenda at the last meeting.

Then just east of High Street there are a few homes that we operate as co-op scholarship units there as well. In all of these facilities the University accommodates about 11,500 students; and they consist of graduate students, professional students, undergraduate students, international students, scholars, of course, married students living in Buckeye Village. And in accommodating this variety of students, obviously we have got a variety of relationships and programs that exist within the University.

Accommodating graduate students, for example, we do have a relationship with the Graduate School. With the undergraduate colleges, there is a variety of relationships that we have with respect to some of the special programs that we have in the residence halls. For example, we have the Honors Residential Center which is located in Taylor Tower in the North Residence Halls Area and that particular program is tied in with the Colleges of the Arts and Sciences. There we accommodate about 400 students. Men and women students are eligible for that program. They need to be honors students--Grey Austin and Jack Cooley in the Honors Program Office in the Colleges of Arts and Sciences have for years worked with that program, selecting the students eligible to live there and trying to accommodate and provide as much faculty interaction with that program, trying to provide as many enrichment experiences as possible in this Honors Residential Center. As a matter of fact, for the next year we are looking at the possibility of expanding that program even beyond the 400 spaces that currently exist.

We have the Engineering Residential Centers tied in with the College of Engineering. Those are located in Houck House in the North Area, as well as in Morrill Tower in the Olentangy Area. That is a program that has been in existence for a number of years, has received excellent support from the College of Engineering, and it is an opportunity for faculty to come into the residence halls there where we provide computer terminals; they work with students on the computer equipment there--faculty come in to talk to students about the nature of the engineering profession, and generally it has attempted to encourage a great deal of student and faculty interaction there.

Women in Health Sciences is a program that we have offered in Mack and Canfield Halls in the South Area Residence Halls, as well as in Lincoln Tower in the Olentangy Area.

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REPORT - THE OHIO STATE UNIVERSITY DORMITORY SYSTEM (contd)

Mr. Roger Meyer: (contd)

With the College of Agriculture, Home Economics, and Natural Resources, we have had a very long standing program existing in Norton and Scott Houses in the North Residence Halls. There, Ray Miller and Ted Darrow have been principals who have once again been responsible for selecting students, for providing continuous support for that program, and generally insuring its success. Roy Kottman was up here just a little bit ago, and he happens to be a very strong supporter of that program as well, and involves himself and spends a portion of his time with that program.

The Multicultural Center is our newest program in residence halls. It has been started this year, and it is located in Blackburn and Haverfield Houses in the North Area, and as the name might suggest, it is a program opportunity for students who may be interested in learning more about cultural differences and cultural similarities to participate in that program.

Olentangy Area programs are located in Lincoln and Morrill Towers, and it is a type of program that is a support program. Students, by and large, who participate in that program submit to some testing. Some test instruments are sent to them at their homes. The results of those tests can be used then in terms of completing their specific assignments with roommates, assignments with other students in an academic--of a like academic interest, or assignment of students in areas of special interest other than academic considerations. This program is aimed primarily at freshmen students who are enrolled in University College, and it tries to anticipate the concerns, the interests, the problems that students may have in moving from the high school experience to the University experience.

We have had a couple of very fine spinoffs from that program. There are some indications that are coming back to us of its success. We find, for example, those students indicating that they feel a better sense of belonging as they participate in that program in these Towers. With that improved sense of belonging comes a tighter community feeling, and there are some payoffs there in terms of--there are some indications that there is less damage to the public areas--a little bit more ownership to the facility and to the community there. With the smoke detector system that we just recently installed and we will have a few comments on in a little bit, we have noticed some excellent staff support and student support in that facility. So some of the attitudinal concerns we kind of think that we are getting at and turning around just a bit. As a matter of fact, we appreciate some of the comments we have been receiving, too, of improved intellectual development, some indications of that as well. So we are very interested in continuing these programs here.

The last listed here is the Cooperative Scholarship Housing Program, which as indicated earlier, is in the Stadium Scholarship Dormitory. It is our oldest residence hall program. As a matter of fact, the alumni in that unit are getting ready to celebrate the 50th year since the start of that program. This facility is unique,

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REPORT - THE OHIO STATE UNIVERSITY DORMITORY SYSTEM (contd)

Mr. Roger Meyer: (contd)

too, in terms of the fact that it does have an alumni organization. This is a facility that accommodates about 360 students. It is a unique community, there is a unique fabric to it and there is a very close sense of identity with that program which obviously continues then into the years after the University experience with the alumni organization as it exists. There are two criteria that students must meet on a continuing basis to be eligible to live there. One is they must maintain themselves scholastically in the upper 25 percent of their respective college class (that's on a continuous basis). The other aspect is the criterion of financial need. They must meet financial need criteria on an ongoing basis there as well. So we are very pleased about that program and its very long life at the University here.

Well, in addition to these more formally structured programs there is a variety of programming activity that goes on beyond these formal kinds of relationships. Our professional staff in the residence halls that we have provided are working continuously, working with student leadership, and providing a wide range of program interest for students in the residence halls. That range could be from working with student development programs in individual halls to involving students in administrative policy review and administrative policy formulation. In the dining commons, it can range from providing theme dinners or special event dinners, to providing nutrition and nutrition education programs, weight control programs, and so on.

We provide 'how to study' sessions in the residence halls to improve study skills, and also set aside areas for students to study as well as quiet areas for students to live. We have sessions regarding energy conservation, trying to develop that consciousness about conserving resources, as well as having education programs with respect to the smoke detector system that has been installed. We are counseling with students regarding their personal concerns, as well as counseling with students regarding their academic, their career, and their vocational concerns. So a myriad of activities is being conducted in the halls. The professional staff, working with the student services staff and their resources, and working with faculty and staff of the University to bring them into the residence halls. The facilities that we are talking about permitting us to do these programs--there is another point I want to make--these are the kinds of things that we do during the academic year in the residence halls.

During the summer months when the University's enrollment takes a bit of a dip, so does our occupancy within residence halls, and it is at that time after we have accommodated the students that require Summer Quarter housing that we make our facilities available for other aspects of the University who may be able to benefit from them. For example, in University College, the University's Orientation Program is administered for those students attending that new student orientation program; we accommodate them in Morrill Tower. We also accommodate there during the summer months the parents who attend the University's Parent Orientation Program. Remaining facilities that are not utilized or needed

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REPORT - THE OHIO STATE UNIVERSITY DORMITORY SYSTEM (contd)

Mr. Roger Meyer: (contd)

during the summer months for Summer Quarter housing are offered through the Office of Continuing Education to various of the administrative and academic units of the University that are interested in conducting special meetings, special programs, conferences, and so on during the summer months. So what we are trying to do is to keep our facilities in as much service as possible to the entire University community.

The facilities that we are talking about are 72 structures and for the most part they consist of residence halls for undergraduate and graduate students. They consist of the family living units in Buckeye Village, our dining and kitchen facilities provided in the North, South, and Olentangy Areas (incidentally furnish about 4.3 million meals per year). And then completing the 72 buildings we have several support facilities that are in our complex as well. These units were constructed by the University and opened between the years 1908 when Mack Hall was brought on line to 1969 when Jones Tower, our graduate facility, was opened. All of these facilities together comprise about 3.1 million square feet and the replacement value of those facilities has been calculated at \$163 million, and I might add that is in 1981 dollars.

Completing that scenario just a bit, we operate on a current annual budget of about \$27 million. We employ about 560 classified civil service employees, about 38 professional staff, and provide employment opportunities for about 1,200 students and we do this kind of with the idea in mind that it is a financial aid type of opportunity for students to participate in, and help defray some of their costs of attending the University. Our concern--the Office of Residence and Dining Halls was established by the University in order to administer these facilities and there were four chief responsibilities given to that office, one of which is the educational programs that we have already discussed here briefly. Another has to do with the office operating these facilities on a self-support basis, trying to keep the fees just at the lowest level possible. A third responsibility is that of while operating the residence halls on a self-support basis, we operate them in such a way, too, that we repay the bondholders on proper schedule. The final responsibility, or the fourth responsibility, is that of administering the physical plant on a current basis, as well as on a future basis, appreciating that there are needs that the facilities will be having for the future to maintain them in service. In that regard, with an eye toward the future, we had just completed a study of our facilities--25-year look into the future--to see what might be involved in maintaining them in service to the University. We enjoined a firm--Alden E. Stilson & Associates--for the purpose of conducting that study, and they have completed it, they have given us the results, and we are studying them now trying to develop the program that is most appropriate to follow through on that.

In closing this brief overview, we thought it might be appropriate to leave with you a few of today's immediate challenges that we find ourselves involved in, and we find ourselves expending our energies on. Capital improvements requirements I have just mentioned in terms of the facility review that we just had

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REPORT - THE OHIO STATE UNIVERSITY DORMITORY SYSTEM (contd)

Mr. Roger Meyers: (contd)

completed. We learned that in the 25-year frame that our costs might be about \$92 million in 1981 dollars that we might have to develop programs in order to maintain the facilities in proper service. Narrowing that down just a bit, we could look at say the next five years of that 25-year period, and there we are looking at a cost of \$22.5 for the program that has been outlined for us. We have a real challenge there in trying to meet that program because we have very limited accumulated reserves within the residence halls, and we know that we are in no position to approach the State Controlling Board for funds, nor are we in a position to approach the University for appropriated monies, so it is definitely an immediate challenge to determine how it is that we are going to develop the funding to meet that capital improvement program.

Well, another aspect that has our energies consumed right now is that of budgeting for the fiscal year 1982-83 and doing that budgeting in such a way that once again we are going to be able to provide services at the lowest possible fees, and we may have to be adjusting some service levels in residence halls this year with some of the other factors that need to be recognized. The budgeting is also going to be done, and is being done, in terms of recognizing the assigned indirect administrative overhead charges and then also the budgeting is being done with an eye toward developing, setting aside more in the way of capital reserves to help meet these capital improvement requirements here. Well, these are some of the challenges that we are working with on a day-to-day basis, but it is very definitely with the idea in mind that what we are trying to do is maintain the education programs, the educational dimensions, the educational support that is appropriate for the University's students as they live in residence halls and that are appropriate for the University's very broad mission, and as a matter of fact we feel that we have been trying to be about for these many years here.

Mr. William Hall:

While I have the Board's attention, I would like to comment on one specific aspect of the Residence Hall program and that is the Board authorized, approximately two years ago, the expenditure of funds for the early warning or smoke detector system that we installed in the Residence Halls, and I would like to give the Board just a brief update of the success that we have had with that program. The brief report before you will indicate the substantial reduction in nuisance alarms, if you will, that we have had within the system which ultimately has increased the safety that we do provide to the residents. From our initial design of this project, it was our hope that we would, when we completed the installation, have a system that was first of all manageable; and one that we would operate with a minimum of cost; but you will note before you that we have installed approximately 7,000 sensing devices in the residence hall system. And the uniqueness of our system is that we no longer, for example, evacuate a 24-story high-rise building. It is now done in a zone evacuation basis. For example, if an alarm is

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REPORT - THE OHIO STATE UNIVERSITY DORMITORY SYSTEM (contd)

Mr. William Hall: (contd)

sounded on the twenty-second floor, we will evacuate that floor and the floor above. It was a rather horrifying experience to evacuate 24 floors, for example, at three o'clock in the morning. I don't know if you have even seen that happen, but it was definitely a complicated procedure.

The other feature that we have in our high-rise buildings is that we have a fire command system whereas if the fire chief should come into that building he has immediate access to each and every floor in that building through a verbal communication system or he can give directions to students and staff as to where they can move throughout that building to stay away from smoke or fire. The other unique feature that we have in this system is that we have a staff alert system, whenever there is an alarm in the building that the residence hall staff immediately knows by monitoring central panels where that alarm is. A signal is sent to each resident advisor on that floor and they can check out that alarm. Immediately we will know whether it is a trouble alarm or an incident where smoke or fire exists where we call the fire department. But in essence we are most pleased with the system. It is very effective and we have enhanced the safety of our residence halls students tremendously on this campus. Thank you.

President Jennings:

Thank you Bill. I think as you can see we are awfully proud of our residence and dining halls system. Modestly, you folks have provided a good overview. I think it is important to recognize that in the University, in particular Ohio State, this is indeed a resident campus, and that the dormitory and food service activities are, we believe, there fundamentally for educational purposes--that the learning and living environment provided in the residence halls system is enormously important to the undergraduate and graduate education opportunities for the student. The students' classroom activities are critical but all the learning and teaching does not go on just in classrooms. The residence halls are an integral part of that, and I am frankly quite proud to see such a complete system.

As you can also see, the residence halls, like the entire University, is plagued with financial difficulties. The Stadium Dormitory issue is another example of some of the problems that get generated from a general lack of funding in this institution. While the residence halls are not generally supported by state appropriation, part of the problem, whether it is with the Stadium Dorm or any place else, is coming from the inadequate support of the General Assembly right now because we are having to call on the residence halls to do more of the academic activity than they have done in the past, and they are doing a great job on that but some of the effects are being seen in curtailment, particularly in capital activities. Thanks very much Bill.

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March 5, 1982 meeting, Board of Trustees

RESOLUTIONS IN MEMORIAM

Resolution No. 82-76

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

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

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

Malcolm M. Helper

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on December 1, 1981, of Malcolm M. Helper, Professor in the Departments of Pediatrics and Psychology.

Dr. Helper was born on March 27, 1928, in Henry, Illinois. Growing up in an intellectually stimulating family while living in an isolated rural setting left an indelible imprint on his character. Until the end he seemed more the homespun farmboy than the polished professional, his unassuming manner and his common touch being inbred. He viewed his numerous achievements with inner amusement and a touch of incredulity, since neither competitiveness nor self aggrandizement was in his nature.

Professor Helper has been the Acting Chief both of the Division of Psychology in the Department of Pediatrics and the Section on Child Development and Psychology of Columbus Children's Hospital since 1977. Prior to coming to The Ohio State University, he held positions at the University of Nebraska College of Medicine and the Nebraska Psychiatric Institute in Omaha.

Dr. Helper's brilliance was evidenced in all of his intellectual undertakings. He graduated from the University of Illinois in 1949 with University Honors and Phi Beta Kappa. Subsequently he published on a wide array of topics ranging from the acculturation of the American Indian adolescent to the effects of chlorpromazine on learning in emotionally disturbed children. His command of the literature and of research methodology was awesome. Ask him about almost any topic and he would be apt to come up not only with author and title but journal and date as well. His command of research design and statistics was equally impressive. But what no listing of publications can capture is Dr. Helper's priceless impersonality - that clear separation of intellect from ego which enables ideas to be evaluated on their merit alone.

Dr. Helper was a superb clinician. He had that rare ability of being aware of complexities and contingencies, yet of being simple and direct in discussing children and making recommendations. Moreover, in all of his dealings with troubled parents and children, his humanity was as deep as his insights were keen.

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RESOLUTIONS IN MEMORIAM (contd)

Malcolm M. Helper (contd)

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

Alex Laurie

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on February 1, 1982, of Alex Laurie, Professor Emeritus, Department of Horticulture.

Dr. Laurie was born on May 23, 1892, in Bordeaux, France. He received a B.S. degree in horticulture from Cornell University in 1914 and a M.A. degree from Washington University in 1917. He was an Instructor at the University of Maine from 1914 to 1916 and was a horticulturist at the Missouri Botanical Gardens from 1916 to 1925. From 1925 to 1929 he was an Assistant Professor of Horticulture at Michigan State College. He came to The Ohio State University in 1929 as a Professor of Horticulture. He resigned from this position in 1952 after twenty-five years of dedicated service.

Among his many accomplishments were the establishment of two of the major florists organizations in existence today. He organized the Ohio Florists' Association in 1929 and served as the organization's Secretary/Treasurer from 1929 to 1952. In 1937 he organized Roses, Inc. and served as the Secretary/Treasurer of that organization until 1954.

Professor Laurie has received numerous awards: Hall of Fame of the Society of American Florists, Fellow of the American Society for Horticultural Science, Hall of Fame of the Florida Foliage Association, and Alex Laurie Award of the Society of American Florists.

Among the many organizations of which he was a member are The American Society for Horticultural Science (President, 1936), Sigma Xi, Pi Alpha Xi, Alpha Zeta, Phi Sigma, Pi Kappa Phi, and Gamma Sigma Delta.

Perhaps his most significant research contribution was the commercial application of the principle of photoperiodism whereby the flowering of many plants could be controlled by manipulating the length of day.

Professor Laurie was a dedicated and highly respected educator. He served as advisor to over five hundred floriculture students at The Ohio State University. Of these five hundred plus students, approximately one hundred obtained either a M.S. or Ph.D. degree under his advisorship.

On behalf of the University community, the Board of Trustees expresses to the family its deepest sympathy. It was directed that this resolution be inscribed in the minutes of the Board of Trustees and that a copy be tendered to the family. This is done in sincere appreciation of the Board's realization of the loss which the family, the University, and his many friends and associates have sustained.

March 5, 1982 meeting, Board of Trustees

RESOLUTIONS IN MEMORIAM (contd)

Wilford L. L'Esperance III

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on February 3, 1982, of Wilford L. L'Esperance III, Professor, Department of Economics in the College of Social and Behavioral Sciences.

Dr. L'Esperance was born in New York, New York, on December 9, 1930. He received a B.A. degree from Columbia in 1951, the M.S. degree from the Graduate School of Business, Columbia University, in 1952, and the Ph.D. degree in Economics from the University of Michigan in 1963.

Dr. L'Esperance joined the economics faculty of The Ohio State University in 1963 as an Assistant Professor, having previously held positions at the University of Michigan and Indiana University, Fort Wayne, Indiana. He served from 1953 to 1955 as a mathematical analyst with the U. S. Army's Missile Development Division at Huntsville, Alabama, as well as a marketing research analyst for General Electric Company from 1955 to 1960. He was promoted to Associate Professor at OSU in 1966 and to Professor in 1970.

Nationally recognized as an authority on state and regional econometric models, L'Esperance was the founder in 1973, and president until 1979, of Midwest Econometrics, Inc., a Columbus-based economic forecasting service owned by BancOhio Corporation. He was the first in the United States to develop a regional econometric model for Ohio to provide economic analyses and forecasts for the state, region and local governments.

Dr. L'Esperance was a very cultured man, deeply concerned with the preservation of Ohio's history, with the ethos of Central Ohio, and with the growth of Columbus. He was frequently consulted on matters of state and local economic development policy, testified before legislative committees, and was in demand as a speaker before civic associations and similar groups.

Since 1975 he served as a consultant to the Columbus Department of Development, worked on economic development plans for Central Ohio, and attracted substantial resources for improvement within the region. Mayor Tom Moody appointed him to the Technical Advisory Group of the Mayor's Economic Development Council and to the Columbus Energy Council. Characteristically, his last efforts were focused on a bill in the state legislature for the establishment of a state-wide center to promote business and economic research and development.

Professor L'Esperance authored numerous journal articles and research monographs. His first textbook *Modern Statistics for Business and Economics* was widely used. His latest book *The Structure and Control of a State Economy* was published in 1981. He was instrumental in the establishment of the *Columbus Economic Review*, published by the City of Columbus. He was active in the American Economic Association, the American Statistical Association, the Regional Science Association and the Ohio Academy of Science.

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

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RESOLUTIONS IN MEMORIAM (contd)

Eleanor W. Lewis

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on September 24, 1981, of Eleanor W. Lewis, Associate Professor Emeritus in the School of Nursing.

Miss Lewis was born in Hawley, Minnesota, on January 25, 1901. She was orphaned during her early childhood. By the time she entered Colorado Springs High School, Colorado Springs, Colorado, she had gone to live with and work for a family from whom she learned much about the arts. After graduating from high school in 1918, she spent several years traveling with an ill daughter of the family with whom she lived. In 1922, she entered Radcliffe College and graduated from there in 1925, having earned an A.B. degree in romance languages. Wanting to dedicate her life to the service of others, Miss Lewis entered the second class to ever graduate in nursing from Yale University School of Nursing and graduated from there in 1928 with a Bachelor of Nursing degree.

In 1952, Miss Lewis earned a Master of Science degree with a major in Psychiatric/Mental Health Nursing from Yale University. In the interim between 1928 and 1952, Miss Lewis held a variety of positions in nursing in such institutions as the University of California School of Nursing; Grosslands Hospital School of Nursing (Valhalla, New York); Cornell University School of Nursing; Spring Grove State Hospital (Catonsville, Maryland); Institute of Living (Hartford, Connecticut); Payne Whitney Clinic, New York Hospital (New York City); Four Winds Sanatorium (Katonah, New York); New Haven Hospital (New Haven, Connecticut); Brooklyn Visiting Nurse Association (Brooklyn, New York).

In 1952 Miss Lewis accepted a dual position at The Ohio State University. She served as an associate professor at the graduate level in the School of Nursing, where she initiated the School's Master's level psychiatric nursing program. She also served as an associate director of nursing service at the Columbus Receiving Hospital (since renamed Upham Hall). She served in both these capacities until 1964 when she became a full-time member of the graduate faculty in the School of Nursing.

Miss Lewis spent much of her professional life upgrading the quality of nursing care available to psychiatric patients. She inspired those around her to reach for that which seemed just outside of their reach. Her unshakeable belief in and respect for those under her tutelage enabled them to mature professionally as well as personally. True to the developmental task of generativity, Miss Lewis was never too busy to lend support to younger colleagues when they were in need.

Miss Lewis' primary contribution to the profession of nursing was in the form of actively developing new generations of psychiatric/mental health practitioners. Today these practitioners - each carrying with them the wisdoms gained through association with an expert mentor - are scattered throughout the United States and abroad.

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

March 5, 1982 meeting, Board of Trustees

RESOLUTIONS IN MEMORIAM (contd)

Will Rannells

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on February 3, 1982, of Will Rannells, Professor Emeritus in the Department of Industrial Design.

A native of Caldwell, Ohio, Professor Rannells graduated from the Art Academy of Cincinnati in 1920. He joined the faculty of The Ohio State University in 1926 and was Professor in Art for the School of Fine and Applied Arts for 35 years before retiring in 1961.

Professor Rannells was nationally known for his canine portraits. He designed covers and illustrations for national magazines, such as *Life*, *McCall's*, *Judge*, *Farm and Fireside*, and *Country Gentlemen*. His annual dog calendar, produced for the Buckeye Union Company for more than 40 years, was a favorite of dog fanciers. He became widely known when he illustrated Eldon Roark's book *Just a Mutt* in 1947. The model for two of the book's drawings was Rannells' Irish terrier, Ginger.

Professor Rannells also illustrated a number of children's books including *Waif*, *The Story of Spe*, *Animal Baby Knows*, *Jack, Jock and Funny*, *Timmy*, and *Animal Picture Story Book*.

Listed in *Who's Who in America* since 1928, he was selected for inclusion in *Who's Who in the World* in 1979. In 1977, he was honored by the Greater Columbus Arts Festival for his contributions to the cultural arts in Columbus.

Professor Rannells put his love for dogs into action through the Capital Area Humane Society. During his 60 years with the organization, he hunted dog poisoners, investigated cases of animal cruelty, advised owners on the care of dogs and served as champion of the animal population in Franklin County. He also served as the Society's President for several years and on its Board of Directors.

Professor Rannells donated his works to the OSU libraries where they will be exhibited April 4 - May 5, 1982, in the Skylight Room of the OSU Main Library.

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

John W. Riner

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on January 26, 1982, of John W. Riner, Professor and Vice-Chairman of the Department of Mathematics.

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RESOLUTIONS IN MEMORIAM (contd)

John W. Riner (contd)

Professor Riner was born in Kansas City, Missouri, on July 29, 1924. His collegiate education was interrupted by World War II; he served on the front lines in France both before and after receiving a Purple Heart as a U. S. Army Corporal. He completed his B.S. degree at Rockhurst College in 1947. The University of Notre Dame awarded him a M.S. degree in 1949 and a Ph.D. degree with the Mathematical specialty Topology in 1953.

Professor Riner held Assistant Professor of Mathematics positions at St. Peters College from 1953 to 1956 and at St. Louis University from 1956 to 1959. He joined the Mathematics Department at The Ohio State University in 1959 as an Assistant Professor, was promoted in 1963 to an Associate Professor, and was promoted in 1970 to Professor. He has served the Department of Mathematics as Vice-Chairman continuously since 1970.

Professor Riner pioneered the development of television instruction of Mathematics in the 1960's, allowing The Ohio State University to teach mathematics to 8,000 students with only 20 faculty during a time of expansion. He also led the Curriculum Revision in Mathematics at the Elementary Level (CRIMEL) program which gained national attention as an efficient means of providing individualized paced mathematics in a modular mode to large numbers of students. He gave several invited addresses to the National Council of Teachers of Mathematics and to the Mathematical Association of America on this CRIMEL program. Professor Riner developed a liberal arts mathematics course which was especially popular in the 1970's with humanities students. He also developed a remediation program to make our Mathematics program accessible to any conscientious OSU student, regardless of preparation.

During the summers of 1965 through 1974, Professor Riner directed the National Science Foundation Institute for High School Teachers at OSU. He had been the faculty advisor for many years of The Ohio State University Sports Car Club.

Professor Riner was presented the prestigious Rosalene Sedgwick Faculty Service Award by OSU's Colleges of Arts and Sciences in 1982. He authored or coauthored four textbooks for precalculus students or business students. He also published several articles. Professor Riner was a member of Sigma Xi and of the American Mathematical Society. He was listed in *American Men of Science*.

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

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March 5, 1982 meeting, Board of Trustees

DEGREES AND CERTIFICATES - WINTER QUARTER COMMENCEMENT

Resolution No. 82-77

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

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

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

NOW THEREFORE

BE IT RESOLVED, That the degrees and certificates be conferred on March 19, 1982, to those persons who have completed the requirements for their respective degrees and certificates and are recommended by the colleges and schools and that the names of those persons awarded degrees and certificates be included in the minutes of this meeting.

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

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APPOINTMENT OF TRUSTEE TO THE OHIO LEGAL CENTER

Resolution No. 82-78

Synopsis: A recommendation for appointment of a trustee to The Ohio Legal Center is proposed.

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

WHEREAS Professor Claude Sowle will be terminating his service in the College of Law at the end of this academic year to take the Deanship at the University of Miami:

NOW THEREFORE

BE IT RESOLVED, That Professor Michael D. Rose be appointed as trustee of The Ohio Legal Center, effective March 5, 1982.

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

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March 5, 1982 meeting, Board of Trustees

THE OHIO STATE UNIVERSITY AIRPORT RULES

Resolution No. 82-79

Synopsis: Adoption of rules governing the operation and use of the University Airport is recommended.

WHEREAS The Ohio State University owns and operates an airport facility to further enhance the nationally renowned teaching, research and service missions of the Department of Aviation; and

WHEREAS the University Airport has served owners of small aircraft in general aviation for several decades and will continue to do so into the foreseeable future; and

WHEREAS the College of Engineering and the Department of Aviation have revised The Ohio State University Airport Rules to reflect to the users of the facility and to the surrounding community their commitment to the missions of the University, the college and the department; and

WHEREAS the Airport Advisory Council participated in the development of these rules, and the proposed revisions represent over two years of research and work in consultation with this Council as well as various constituent groups; and

WHEREAS revision of these policies and their codification as Rules of the Administrative Code are deemed necessary to ensure the safety of airport operations, regulate the use of airport facilities, and generally promote the efficient operation of the airport:

NOW THEREFORE

BE IT RESOLVED, That The Ohio State University Airport Rules be adopted by the Board of Trustees to become Rules 3335-105-01 through 3335-105-11 of the Ohio Administrative Code.

President Jennings:

Mr. Chairman, in the Educational Affairs Committee this morning it was recommended that the Airport rules, as recommended by myself, be adopted at this meeting. It would perhaps be appropriate if Mr. Thompson could review again the outline of those rules.

Mr. Thompson:

Thank you Mr. President. Mr. Chairman and Members of the Board: As I stated this morning-basically these rules that are proposed for adoption deal with the governance and operation of The Ohio State University Airport and deal with such matters as aircraft and flight operation, vehicles, safety and noise abatement. At the Airport we really do want to foster and encourage the use of The Ohio State University Airport and some of the revisions are necessary in the rules because of primarily four reasons:

March 5, 1982 meeting, Board of Trustees

THE OHIO STATE UNIVERSITY AIRPORT RULES (contd)

Mr. Thompson: (contd)

1. Current economic constraints on the University;
2. Concern by the community over some possible lack of control by the University over the Airport property;
3. A need to insure, because we are an educational institution, that flight instruction which is given on University premises be through our Flight Training Clinic, and if these rules are adopted, that we would attempt to implement them to accommodate all the users at the Airport; and
4. To reiterate a little more clearly, possibly, our proprietary, exclusive rights recognized under FAA policy.

The procedure that we have developed, as you heard this morning, was to meet with various constituencies who use the Airport, including the flying clubs, the corporate owners, the private aircraft based owners, as well as the State of Ohio. We have gotten a lot of their input. We have incorporated much of it into the rules and as we develop further our guidelines with respect to the Airport Manager, if these rules are adopted in the operation, we will look forward to working more closely with these groups.

President Jennings:

Thank you Mr. Thompson. Mr. Chairman, I would concur with the Committee's recommendation that these rules be adopted. I think it is important to point out that there are, as in many rules and regulations in an institution of this size, always differences of opinion and particularly differences of opinion in legal matters. I am satisfied that the process has operated here--I am also satisfied that we have in place now an ability to work through some guidelines to implement these rules so that any inconvenience will be minimized; indeed, I look forward to a good relationship with all the people using the Airport currently and those who might use it in the future. I think with the adoption of these rules, it will be very important for us to continue to work with the users of Don Scott Field to work out guidelines for implementation of these rules.

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

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PERSONNEL ACTIONS

Resolution No. 82-80

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

March 5, 1982 meeting, Board of Trustees

PERSONNEL ACTIONS (contd)

RESOLVED, That the personnel actions as recorded in the Personnel Budget Records of the University since the February 5, 1982 meeting of the Board, including the following Appointment and/or Reappointment of Chairmen of Departments and Divisions and Director of Center, Leaves of Absence Without Salary, and Emeritus Titles as detailed in the University Budget, be approved.

Appointment and/or Reappointment of Chairmen of Departments and Divisions and Director of Center

January 1, 1982 through June 30, 1982

Medicinal Chemistry and Pharmacognosy * Duane D. Miller

January 1, 1982 through June 30, 1985

General Studies (ATI) Clyde Edward Oplinger

March 5, 1982 through June 30, 1985

Judiac and Near Eastern Languages
and Literatures Frederic J. Cadora

July 1, 1982 through June 30, 1983

History of Art Howard Crane

July 1, 1982 through June 30, 1986

Mathematics Alan C. Wood

October 1, 1982 through June 30, 1984

Slavic and East European Languages
and Literatures Leon Twarog

October 1, 1982 through June 30, 1986

Division of Comparative Studies
in the Humanities Marilyn Waldman
Center for Medieval and
Renaissance Studies Joseph Lynch

* Acting Chairman

Leaves of Absence Without Salary

WILLIAM H. HALVERSON, Associate Dean, University College - Administration, effective May 1, 1982 through August 31, 1982, for personal reasons.

March 5, 1982 meeting, Board of Trustees

PERSONNEL ACTIONS (contd)

Leaves of Absence Without Salary (contd)

P. JOHN KOZYRIS, Professor, College of Law, effective October 1, 1982 through December 31, 1982, to accept a visiting professor appointment at the University of Hawaii.

MICHAEL J. PERRY, Professor, College of Law, effective October 1, 1982 through June 30, 1983, to accept a visiting faculty position at Northwestern University.

MORGAN E. SHIPMAN, Professor, College of Law, effective October 1, 1982 through December 31, 1982, to accept a visiting professor appointment at the University of California at Berkeley.

DOUGLAS J. WHALEY, Professor, College of Law, effective October 1, 1982 through June 30, 1983, to accept a visiting faculty position at Hastings College of Law of the University of California system.

ANNE MORGANSTERN, Associate Professor, Department of History of Art, effective October 1, 1982 through June 30, 1983, to accompany her husband during his Professional Improvement Leave.

FRANK K. UPHAM, Associate Professor, College of Law, effective October 1, 1982 through June 30, 1983, to accept a position at Boston College and a half-time assignment to work under a foundation grant on Japanese-American legal relations.

HAIKADY NAGARAJA, Assistant Professor, Department of Statistics, effective October 1, 1981 through March 31, 1982, for personal reasons.

CATHERINE R. HOWARD, Instructor, Cooperative Extension Service, effective January 15, 1982 through February 14, 1982, for medical reasons.

JANE MARIE MCMASTER, Instructor, University Libraries, effective February 8, 1982 through August 9, 1982, for personal reasons.

Emeritus Titles

MORGAN L. ALLISON, College of Dentistry (Oral Surgery), with the title Professor Emeritus, effective February 1, 1982.

HANS J. ZASSENHAUS, Department of Mathematics, with the title Professor Emeritus, effective April 1, 1982.

JOHN RICHARD BLUFF, College of Dentistry (Crown and Bridge), with the title Associate Professor Emeritus, effective January 1, 1982.

March 5, 1982 meeting, Board of Trustees

PERSONNEL ACTIONS (contd)

Emeritus Titles (contd)

WILLIAM E. ASHLEMAN, College of Dentistry (Periodontics), with the title Assistant Professor Emeritus, effective January 1, 1982.

W. WALLACE STOVER, Academic Faculty of Special Services, with the title Instructor Emeritus, effective February 1, 1982.

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

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REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS

Resolution No. 82-81

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

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

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

NOW THEREFORE

BE IT RESOLVED, That the research agreements between The Ohio State University and The Ohio State University Research Foundation for the contracts and grants reported herein, and the acceptance of the reports from the Engineering Experiment Station and The Ohio State University Development Fund during the month of January 1982 be approved.

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

SUMMARY FOR JANUARY 1982

Source	No. of Projects	Support Level
The Ohio State University Research Foundation	50	\$3,251,992.00
Engineering Experiment Station	31	381,569.00
		\$3,633,561.00

March 5, 1982 meeting, Board of Trustees

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

SUMMARY FOR JANUARY 1982 (contd)

The Ohio State University Development Fund

Establishment of Named Funds

The Robert D. Smith Electrical Engineering Fund (Department of Electrical Engineering)	\$87,250.00
The Frank J. Kloenne Memorial Orthopaedic Research Fund (Department of Surgery)	\$25,000.00
The William M. and Frances Smith Junk Endowed Fund (Students residing at Creative Living Housing Facility)	\$15,000.00
Susan D. Holdren Memorial Research Fund (Leukemia research)	\$ 5,000.00

Report from Presidents Club

Members to date	4,535
1982 members: year to date	16
New members - January 1982	16

New Presidents Club Members - January 1982

L. Eugene Arnold	Kathleen M. Litter
James M. Burtch, Jr.	John A. Lott
Michael P. Cloran	Arnold E. Ross
Bernard S. Coleman	Morris Skilken
Harold H. Fry, Jr.	Robert D. Smith
Marvin L. Glassman	Clinton D. Stoner
James T. Irwin	A. Charles Tell
Michael H. Jackson (Mrs. Daniel G.)	Stephen J. Vergamini

March 5, 1982 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION

Federal Research Contracts/Grants

\$646,648.00 - Department of the Army, Defense Supply Service - Washington, Washington, D. C., An Experimental Study of an Ultra-Mobile Vehicle for Off-Road Transportation, Department of Electrical Engineering (R. B. McGhee) and Department of Mechanical Engineering (K. J. Waldron), 1 October 1981 through 30 September 1982. (Project 762945 - New)

\$248,974.00 - Department of Education, National Institute of Education, Washington, D. C., ERIC Information Analysis Center for Science, Mathematics and Environmental Education, Academic Faculty of Science and Mathematics Education (R. W. Howe), 1 January 1982 through 31 December 1982. (Project 761083 - Continuation)

\$123,924.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, Ceramic Microstructure Development, Department of Ceramic Engineering, (D. W. Readey), 1 November 1981 through 31 October 1982. (Project 762134 - Continuation)

\$95,934.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Heart, Lung and Blood Institute, Bethesda, Maryland, Molecular Control in Cytochrome C Oxidase, Department of Physiological Chemistry (J. O. Alben), 1 January 1982 through 31 December 1982. (Project 762976 - New)

\$95,258.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, Person Perception Processes in Small Groups, Department of Psychology (T. M. Ostrom), 30 December 1981 through 29 December 1982. (Project 762498 - Continuation)

\$89,269.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Neurological and Communicative Disorders and Stroke, Bethesda, Maryland, Non-Nitrogen Containing Dopamine Agonists, College of Pharmacy (D. D. Miller and N. J. Uretsky), 1 December 1981 through 30 November 1982. (Project 762967 - New)

\$82,047.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, Regulation of Gene Expression in Neurospora, Department of Biochemistry (G. A. Marzluf), 1 January 1982 through 31 December 1982. (Project 760578 - Continuation)

\$79,353.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, Oxidation Resistance and Magnetic and Mechanical Properties of Fe, Si, Al Alloys, Department of Metallurgical Engineering (G. W. Powell), 1 October 1981 through 30 September 1982. (Project 762438 - Continuation)

March 5, 1982 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

\$69,989.00 - National Aeronautics and Space Administration, Langley Research Center, Hampton, Virginia, Analysis of Airborne Antenna Patterns, Department of Electrical Engineering, ElectroScience Laboratory (W. D. Burnside), 1 March 1982 through 1 March 1983. (Project 761012 - Continuation)

\$59,347.00 - Department of the Air Force, Electronic Systems Division (Air Force Systems Command), Hanscom Air Force Base, Massachusetts, Low RCS SATCOM Antennas, Department of Electrical Engineering, ElectroScience Laboratory (B. A. Munk), 1 February 1982 through 31 July 1982 (Project 762949 - New)

\$59,000.00 - National Science Foundation, Washington, D. C., Superfluid Turbulence, Department of Physics (J. T. Tough), 1 March 1982 through 28 February 1983. (Project 762023 - Continuation)

\$36,683.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Child Health and Human Development, Bethesda, Maryland, Biochemistry of Inhibitors of Estrogen Biosynthesis, College of Pharmacy (R. W. Brueggemeier), 1 January 1982 through 31 December 1982. (Project 762520 - Continuation)

\$35,691.00 - Department of the Navy, Naval Coastal Systems Center, Panama City, Florida, T-Matrix Approach to Acoustic Wave Scattering by Obstacles in the Presence of Nearby Boundaries, Department of Engineering Mechanics (V. K. Varadan and V. V. Varadan), 1 February 1982 through 31 January 1983. (Project 762980 - New)

\$33,824.00 - Department of Transportation, National Highway Traffic Safety Administration, Vehicle Research and Test Center, East Liberty, Ohio, On-Board Portable Data Acquisition and Processing for Vehicle Testing, Department of Electrical Engineering (H. Hemami), 1 January 1982 through 30 September 1982. (Project 762979 - Continuation)

\$32,000.00 - Department of the Army, Defense Supply Service - Washington, Washington, D. C., Ultrasonic Methods to Study Shadow Boundaries of Diffracting Cracks, Department of Welding Engineering (L. Adler), 1 October 1981 through 31 December 1982. (Project 762638 - Continuation)

\$26,253.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Develop a Communications Office and Cancer Information Center, Cancer Research Center (D. S. Yohn), 16 November 1981 through 31 January 1982. (Project 761352 - Continuation)

March 5, 1982 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

\$21,450.00 - National Science Foundation, Washington, D. C., Combinatorial Problems and Their Applications, Department of Mathematics (D. K. Ray-Chaudhuri), 1 July 1982 through 30 June 1983. (Project 762779 - Continuation)

\$20,966.00 - National Aeronautics and Space Administration, Ames Research Center, Moffett Field, California, Environmental and Genetic Effects on Gravity Receptors: A Morphological, Physiological and Behavioral Study, Department of Otolaryngology (D. J. Lim), 1 January 1982 through 30 June 1982. (Project 760657 - Continuation)

\$16,440.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Neurological and Communicative Disorders and Stroke, Bethesda, Maryland, Chemical Studies on Diabetic Neuropathy: Be Wistar Rat, Department of Pathology (A. J. Yates), 1 December 1981 through 30 November 1982. (Project 762966 - New)

\$15,000.00 - Department of Agriculture, Office of International Cooperation and Development, Washington, D. C., Cooperative Research Linkage for The Ohio State University, Ohio Agricultural Research and Development Center and The University of Sao Paulo, Brazil, International Program in Agriculture (H. D. Bauman), 1 January 1982 through 31 August 1982. (Project 762420 - Continuation)

\$10,960.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Neurological and Communicative Disorders and Stroke, Otitis Media with Effusion, Department of Otolaryngology (D. J. Lim), 1 December 1981 through 31 August 1982. (Project 760043 - Continuation)

\$9,069.00 - Department of Education, Office of Postsecondary Education, Washington, D. C., Supplemental Funds Program for Cooperative Education, College of Arts and Sciences - Administration, Office of Academic Affairs, and College of Engineering - Administration (M. L. Smith), 1 October 1981 through 30 September 1982. (Project 762977 - New)

TOTAL - FEDERAL RESEARCH CONTRACTS/GRANTS

\$1,908,079.00

State of Ohio Research Contracts/Grants

\$165,316.00 - State of Ohio, Department of Health, Columbus, Ohio, Care of the High Risk Mother and Infant, Department of Pediatrics (L. Cordero), 1 October 1981 through 30 September 1982. (Project 764100 - Continuation)

March 5, 1982 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

State of Ohio Research Contracts/Grants (contd)

\$72,000.00 - State of Ohio, Department of Commerce, Division of Real Estate, Columbus, Ohio, Center for Real Estate Education and Research, College of Administrative Science - Administration, Center for Real Estate Education and Research (R. L. Racster), 1 January 1982 through 15 December 1982. (Project 762738 - Continuation)

\$12,896.25 - State of Ohio, Department of Health, Columbus, Ohio, The OSU Family Planning Division - Fertility, Department of Obstetrics and Gynecology (F. Zuspan), 1 January 1982 through 28 February 1982. (Project 762533 - Continuation)

\$3,572.00 - State of Ohio, Department of Health, Columbus, Ohio, The OSU Family Planning Division - Infertility, Department of Obstetrics and Gynecology (M. Kim), 1 January 1982 through 28 February 1982. (Project 762534 - Continuation)

\$2,965.00 - State of Ohio, Department of Mental Health, Office of Program Evaluation and Research, Columbus, Ohio, The Psychosocial Adjustment of Parents Following the Death of a Child, Department of Sociology (L. W. Richardson and J. A. Cook), 1 December 1981 through 30 June 1982. (Project 762965 - New)

\$1,763.00 - State of Ohio, Department of Natural Resources, Division of Natural Areas and Preserves, Columbus, Ohio, Visitor Perceptions of the Recreational Sensitivity of Natural Areas, School of Natural Resources (J. L. Heywood), 1 January 1982 through 28 February 1983. (Project 762971 - New)

\$1,560.00 - State of Ohio, Department of Natural Resources, Division of Natural Areas and Preserves, Columbus, Ohio, A Comparison of Characteristics of Visitors to Central Ohio Nature Resource Areas, School of Natural Resources (G. W. Mullins), 1 January 1982 through 31 January 1983. (Project 762972 - New)

TOTAL - STATE OF OHIO RESEARCH CONTRACTS/GRANTS \$ 260,072.25

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

\$326,870.00 - Electric Power Research Institute, Palo Alto, California, Corrosion and Corrosion Cracking for Water Cooled Reactors, Department of Metallurgical Engineering (D. D. Macdonald), 1 January 1982 through 31 December 1982. (Project 760982 - Continuation)

\$253,632.00 - Various Pharmaceutical Laboratories, Research in Clinical Pharmacology, Department of Pharmacology (J. R. Bianchine and P. B. Hollander), 1 December 1981 through 30 November 1982. (Project 762968 - New)

March 5, 1982 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

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

\$122,300.00 - World Health Organization, Geneva, Switzerland, Evaluation of Active Immunization with Synthetic Peptides of hCG as a Fertility Control Method, Department of Obstetrics and Gynecology (V. C. Stevens), 1 July 1981 through 30 June 1982. (Project 760113 - Continuation)

\$100,000.00 - Pfizer, Inc., Groton, Connecticut, Support for Facilities for Performing Clinical Pharmacology Studies, Department of Pharmacology (J. R. Bianchine), 1 October 1981 through 30 September 1982. (Project 760484 - Continuation)

\$74,224.00 - Control Data Corporation, Minneapolis, Minnesota, A Proposal for the Development of a Taxonomy of Instructional Strategies, Academic Faculty of Educational Foundations and Research (K. A. Hall), 1 January 1982 through 31 December 1982. (Project 762969 - Continuation)

\$58,804.75 - State Secretariat of Agriculture, Government of the Dominican Republic, Santo Domingo, Dominican Republic, Professional Training and Improvement Program, International Programs in Agriculture (D. O. Hansen), 1 January 1982 through 31 March 1983. (Project 762643 - Continuation)

\$30,013.00 - Children's Hospital Research Foundation, Columbus, Ohio, Disposition and Infusion Kinetics of Tobramycin in Newborn Infants, College of Pharmacy (J. A. Visconti), 15 January 1982 through 14 January 1983. (Project 762974 - New)

\$16,600.00 - Iowa State University-Ames Laboratory, Energy and Mineral Resources Research Institute, Ames, Iowa, Ultrasonic Scattering from Cracks, Department of Welding Engineering (L. Adler), 1 October 1981 through 31 January 1982. (Project 762511 - Continuation)

\$15,000.00 - The National Committee, Arts for the Handicapped, Washington, D. C., Arts-of-the-Book Apprenticeship for Moderately Mentally Retarded Learners, Department of Art Education (K. Marantz and R. Tauber), 1 October 1981 through 30 September 1982. (Project 762935 - New)

\$14,440.00 - The Esther A. and Joseph Klingenstein Fund, Inc., New York, New York, Study of the Use of Information and Evaluations in Decision-Making Processes of Hospital Management, School of Allied Medical Professions (S. Strasser), 1 January 1982 through 30 June 1982. (Project 762970 - New)

\$12,917.00 - Ohio Coal Research Laboratories Association, Columbus, Ohio, Newsletter for the Ohio Coal Research Laboratories Association, Inc., Program for Energy Research Education and Public Service, Graduate School - Administration (R. E. Bailey), 1 November 1981 through 31 October 1982. (Project 762554 - Continuation)

March 5, 1982 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

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

\$12,000.00 - Astra Lakemedel AB, Sodertalje, Sweden, Dosage Form Design and Development, College of Pharmacy (S. G. Frank), 1 January 1981 through 31 December 1982. (Project 762165 - Continuation)

\$10,771.00 - Boehringer Ingelheim, Ltd., Ridgefield, Connecticut, Analysis of Dipyridamole in Plasma, Department of Veterinary Clinical Sciences (R. Sams), 1 November 1981 through 30 April 1982. (Project 762928 - Continuation)

\$10,653.00 - Iowa State University-Ames Laboratory, Energy and Mineral Resources Research Institute, Ames, Iowa, Elastic Wave Scattering by Flaws for Application to NDE, Department of Engineering Mechanics (V. V. Varadan and V. K. Varadan), 16 November 1981 through 15 February 1982. (Project 762502 - Continuation)

\$10,000.00 - The Deafness Research Foundation, New York, New York, Hemophilus Influenzae Otitis Media: An Animal Model, Department of Otolaryngology (T. F. DeMaria and D. J. Lim), 1 January 1982 through 31 December 1982. (Project 762545 - Continuation)

\$4,648.00 - Koppers Company, Inc., Monroeville, Pennsylvania, Study of Modified Electrodes for Electrosynthetic Purposes, Department of Chemistry (T. Kuwana), 8 January 1982 through 31 May 1982. (Project 762217 - Continuation)

\$3,024.00 - Chemical Abstracts Service, Columbus, Ohio, Design and Evaluation of Procedures for Optimizing Human Performance in an Online Data Retrieval System, Department of Psychology (H. Shulman), 15 December 1981 through 15 March 1982. (Project 762213 - Continuation)

\$2,986.00 - Franklin County Mental Health Board, Columbus, Ohio, Community Worker Project, Nisonger Center (F. A. Benson), 1 November 1981 through 31 December 1981. (Project 762450 - Continuation)

\$2,700.00 - Children's Hospital Research Foundation, Columbus, Ohio, Assays of Morphine in Plasma, College of Pharmacy (R. H. Reuning), 1 January 1982 through 30 June 1982. (Project 762975 - New)

\$2,000.00 - City Colleges of Chicago, Chicago, Illinois, National Alliance of Post-secondary Education Institutions/Districts, The National Center for Research in Vocational Education (R. E. Taylor), 1 July 1981 through 30 June 1982. (Project 761599 - Continuation)

\$258.00 - State Research Associates, Lexington, Kentucky, Technical Assistance, The National Center for Research in Vocational Education (R. E. Taylor), 1 November 1981 through 31 December 1981. (Project 768036 - Continuation)

**TOTAL - INDUSTRIAL, PRIVATE, AND OTHER
NON-FEDERAL RESEARCH CONTRACTS/GRANTS \$1,083,840.75**

March 5, 1982 meeting, Board of Trustees

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

ENGINEERING EXPERIMENT STATION

Industrial and Other Sponsored Research and Development

\$15,000.00 - American Iron and Steel Institute, Washington, D. C., for Experimental Determination of Combustability--Extension 15, Department of Chemical Engineering, May 1, 1981 through April 30, 1982. (EES 307/532001, Extension No. 15)

\$366,569.00 - 26 sponsors for 30 development projects under the direction of eight engineering departments and research areas.

TOTAL - INDUSTRIAL AND OTHER SPONSORED
RESEARCH AND DEVELOPMENT \$381,569.00

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND

Gifts of \$5,000 or More

\$251,250.00 William H. Davis for William H. Davis Endowment for Basic Medical Research.

\$220,000.00 Battelle Memorial Institute Foundation for Battelle Scholars.

\$182,360.00 John Geupel for John C. Geupel Fund in Civil Engineering.

\$100,000.00 Kaplan Halpert Foundation for Jack M. George Fund.

\$100,000.00 Samuel Melton for Melton Library.

\$ 65,412.15 C. Barber for undesignated purposes.

\$ 60,500.00 Ross Laboratories--\$53,000.00 for Tumor Immunology Program; \$7,500.00 for Abbott Labs - Notari.

\$ 50,000.00 James Casto for Field House Track Fund.

\$ 49,780.00 Berkeley Bio-Med, Inc., for Abramowitz Professorship.

\$ 46,604.20 Louise Scott--\$34,953.15 for William Craig and Mary Black Orr Scholarship in Medicine; \$11,651.05 for William Craig and Mary Black Orr Scholarship in Pharmacy.

\$ 45,000.00 Florence Johnson for Reese Arthritis Research Fund.

\$ 42,927.00 John Gerlach for Presidents Club Special Fund.

\$ 40,000.00 Public Welfare Foundation for Reese Arthritis Research Fund.

March 5, 1982 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

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

- \$ 31,500.00 Edward C. and Hazel L. Stephenson Foundation for Edward C. and Hazel L. Stephenson Fund.
- \$ 30,000.00 Mideast United Dairy Industry--\$15,000.00 for T. Kline Hamilton Award; \$15,000.00 for Earl B. Poling Graduate Research Fellowship in Agricultural Economics.
- \$ 30,000.00 R & A Shafer Foundation for Student Grant-in-Aid Fund.
- \$ 27,478.00 Charles F. High Foundation for Charles F. High Foundation Scholarship Fund.
- \$ 25,988.84 Systems Associates for Cardiology Support Fund.
- \$ 25,000.00 Atlanta Rich Foundation for Geology Support Fund.
- \$ 25,000.00 Capitol Corporation for LeFevre Scholarship Fund.
- \$ 25,000.00 Cleveland Institute Electronics for Newton D. Baker Memorial Scholarship Fund.
- \$ 25,000.00 Diamond Shamrock for Professorship in Plant Protection.
- \$ 25,000.00 John Drinko for Newton D. Baker Memorial Scholarship Fund.
- \$ 25,000.00 Duphar Labs for Clinical Pharmacology Fund.
- \$ 24,426.36 University Eye Surgeons, Inc., for Eye Bank Fund.
- \$ 24,225.00 Susan Cullman for Cullman Symposium Fund.
- \$ 22,833.00 Columbus Bell Laboratories--\$10,000.00 for Computer Information Science; \$10,000.00 for Electrical Engineering; \$2,833.00 for Engineering Administration.
- \$ 22,262.50 Gerlach Foundation for Presidents Club Special Fund.
- \$ 21,875.35 Retinal Consultants, Inc.--\$19,739.68 for Retina Research Fund; \$2,135.67 for Ophthalmology Photographic Fund.
- \$ 21,200.00 Patrick Vaccaro for Surgery Research and Education.
- \$ 21,000.00 AmeriTrust for Templeton Medical Research Foundation Fund.
- \$ 20,912.50 John Nordholt for Nordholt Professorship in Engineering.

March 5, 1982 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

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

- \$ 20,500.00 Bryan Hartley--\$10,500.00 for Woody and Anne Hayes Scholarship Fund; \$10,000.00 for Athletic Grant-in-Aid.
- \$ 20,000.00 W. Lipold for Presidents Club Special Fund.
- \$ 20,000.00 Mildred Miller for unrestricted purposes.
- \$ 20,000.00 TRW Foundation--\$10,000.00 for Advance Design Lab in Mechanical Engineering; \$10,000.00 for Industrial Systems Engineering Campaign.
- \$ 19,815.67 Oncology, Inc., for Cancer Research Fund.
- \$ 18,992.70 James Nordholt for Nordholt Professorship-Engineering.
- \$ 17,408.75 Ruth Wilson for Wilson Professorship in Cardiology.
- \$ 16,650.00 Maurice W. Neidigh for Maurice W. Neidigh Scholarship Fund.
- \$ 15,370.00 Glenbrook Laboratories for Reye's Syndrome Fund.
- \$ 15,000.00 Daniel Amstutz--\$10,000.00 for Presidents Club Special Fund; \$3,000.00 for Sphinx; \$2,000.00 for Athlete Grant-in-Aid Fund.
- \$ 15,000.00 Donald Herr for Presidents Club Special Fund.
- \$ 15,000.00 Mead Johnson & Company for Cardiovascular Research Fund.
- \$ 15,000.00 Katherine Parrett for Katherine Parrett Fund.
- \$ 14,619.00 Mrs. Joseph Platt for Joseph S. Platt--Porter, Wright, Morris & Arthur Professorship in Law Fund.
- \$ 13,927.51 Charles Sinsabaugh for Presidents Club Special Fund.
- \$ 12,500.00 Vesuvius Crucible for Engineering Evaluation Program.
- \$ 12,000.00 John Lott for John A. Lott Research Fund.
- \$ 10,875.00 National Action Minority Engineering, Inc., for Affirmative Action - Engineering.
- \$ 10,518.45 Mildred Pritz for undesignated purposes.

March 5, 1982 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

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

- \$ 10,095.00 Ernst & Whinney Foundation for Ernst & Whinney Accounting Grant.
- \$ 10,075.00 Elizabeth Carruthers for Carruthers Educational Fund.
- \$ 10,000.00 Alcoa Foundation for Affirmative Action--Engineering.
- \$ 10,000.00 Louis and Dorothy Cullman Foundation for Cullman Symposium Fund.
- \$ 10,000.00 Eaton Corporation for Advanced Design Laboratory.
- \$ 10,000.00 Founder's Trust for Newton D. Baker Memorial Scholarship Fund.
- \$ 10,000.00 Pulmonary Association for Pulmonary/Whitcomb Fund.
- \$ 10,000.00 Howard Webb for Orthodontia Library.
- \$ 10,000.00 David Westwater for Appalachian Project.
- \$ 10,000.00 Howard Winbigler for undesignated purposes.
- \$ 9,773.00 Ida Topper for Isadore Topper Fund.
- \$ 9,100.00 G. D. Searle and Company for Gastrointestinal Research.
- \$ 9,094.28 Garfield Memorial Church for Alec Parsons Scholarship.
- \$ 9,000.00 Dow Chemical Company--\$6,000.00 for Dow Research Fellowship; \$3,000.00 for Chemistry--Dow Research Fund.
- \$ 8,500.00 Cincinnati Milacron for Cincinnati Milacron Foundation.
- \$ 8,296.38 Melvin Moffitt for M. C. Moffitt Memorial Fund.
- \$ 8,000.00 Exxon Education Foundation--\$4,000.00 for Administrative Science Special Fund; \$4,000.00 for Geology Support Fund.
- \$ 8,000.00 George F. Lonz Foundation for George Lonz Foundation Fund.
- \$ 8,000.00 Porthouse Trust No. 1--\$5,000.00 for College of Engineering Special Fund; \$3,000.00 for Fontana Professorship.
- \$ 7,689.15 Harry Brakeman for Brakeman Memorial.

March 5, 1982 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

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

- \$ 7,435.20 Ives Laboratories, Inc., for Cardiovascular--Pharmacy.
- \$ 7,037.50 Mary Wise for Fontana Professorship.
- \$ 7,000.00 Central Ohio Center for Economic Education for Economic Education Fund.
- \$ 7,000.00 Chevron USA, Inc., for Chevron Fellowship.
- \$ 7,000.00 Richard Falter--\$5,600.00 for Animal Science Special Fund; \$1,400.00 for Ophthalmology Teaching Fund.
- \$ 6,857.81 William Havener for Ophthalmology Teaching Fund.
- \$ 6,040.00 Nationwide Insurance for WOSU Support Fund.
- \$ 5,840.00 Antique Show and Sale for Presidents Club Special Fund.
- \$ 5,286.13 William Buente for Medicine Progress.
- \$ 5,250.00 Kibble Foundation for Kibble Foundation Scholarship.
- \$ 5,000.00 Gerald Allen for O'Neill Professorship in Law.
- \$ 5,000.00 Helen Allison for Dr. F. M. Beman Fund.
- \$ 5,000.00 BancOhio--\$2,500.00 for Administrative Science Special Fund; \$2,500.00 for Athlete Grant-in-Aid.
- \$ 5,000.00 Cleveland Electric Illuminating Company for Ohio Electric Utility Institute Fellowship Fund.
- \$ 5,000.00 Ford Motor Company Fund for Corporate Associates Fund.
- \$ 5,000.00 Albert and Margaret Gehres for Ohio 4-H Foundation.
- \$ 5,000.00 Ray Groves--\$2,000.00 for Administrative Science Special Fund; \$2,000.00 for Ernst and Whinney Accounting Fund; \$1,000.00 for Athletic Grant-in-Aid.
- \$ 5,000.00 Stanley Joehlin for Presidents Club Special Fund.
- \$ 5,000.00 Walter Kidd--\$2,500.00 for Architecture Division Fund; \$2,500.00 for National Merit Scholarship Fund.

March 5, 1982 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

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

- \$ 5,000.00 Landmark, Inc., for Professorship in Plant Protection.
- \$ 5,000.00 Allan McFarland for Student Athlete Grant-in-Aid Program.
- \$ 5,000.00 Midland Mutual Insurance for WOSU Support Fund.
- \$ 5,000.00 James Mills for Dentistry Advancement Endowment Fund.
- \$ 5,000.00 Owen Pyle for Mars Fontana Fund.
- \$ 5,000.00 Robert Swan for Rapid Adjustment Program.
- \$ 5,000.00 TRW, Inc., for ElectroScience Laboratory.

Gifts-in-Kind

- | | | |
|--------------|---------------------------------|------------------------------------|
| \$ 63,000.00 | OSU Gamma Alpha Association | Property at 95 East Twelfth Avenue |
| \$ 52,850.00 | Jack Howell | Six standardbred horses |
| \$ 40,200.00 | Mr. and Mrs. Gene Sands | Six Arabian horses |
| \$ 37,666.67 | Conard and Nancy Stitzlein | Fifteen polled Hereford animals |
| \$ 33,257.48 | Charles Triplehorn | Collection of beetles |
| \$ 27,500.00 | Ralph Cobey | Two quarter horses |
| \$ 24,000.00 | Fred Johnson | Fifteen Angus cows |
| \$ 15,000.00 | Mansfield University Foundation | 1.82 acres of land |
| \$ 13,627.50 | Leon Twarog | 502 books |
| \$ 12,500.00 | Gary Wade | Quarter horse stallion |
| \$ 11,000.00 | Brent Welch | Eight-year-old gelding |
| \$ 8,419.00 | Lloyd Parks | 120 pieces of sterling silver |

March 5, 1982 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

Establishment of Named Funds

The Robert D. Smith Electrical Engineering Fund

The Robert D. Smith Electrical Engineering Fund was established March 5, 1982, by the Board of Trustees of The Ohio State University with a gift to The Ohio State University Development Fund from Robert D. Smith, B.S.E.E. '51 and M.S. '51, of Upland, California.

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

The annual income is to be used for those purposes which will aid the research, teaching and service programs/facilities within the Department of Electrical Engineering in the College of Engineering. The Chairman of the Department of Electrical Engineering is authorized to invade the principal amount of the endowment if necessary. The Chairman of the Electrical Engineering Department will have sole authority to authorize expenditures from the Fund, as approved by the Dean of the College of Engineering.

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

The Frank J. Kloenne Memorial Orthopaedic Research Fund

The Frank J. Kloenne Memorial Orthopaedic Research Fund was established March 5, 1982, by the Board of Trustees of The Ohio State University with a gift to The Ohio State University Development Fund from Mrs. Jacqueline Kay Kloenne in memory of her husband, Frank J. Kloenne, of Dublin, Ohio.

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

The annual income is to be used for orthopaedic research within the Division of Orthopaedic Surgery, Department of Surgery, College of Medicine. The Chairman of the Division of Orthopaedic Surgery, the Chairman of the Department of Surgery, and the Dean of the College of Medicine will have sole authority to authorize expenditures from the Fund.

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

March 5, 1982 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

Establishment of Named Funds

The William M. and Frances Smith Junk Endowed Fund

The William M. and Frances Smith Junk Endowed Fund was established March 5, 1982, by the Board of Trustees of The Ohio State University with a gift to The Ohio State University Development Fund from William M. and Frances Smith Junk of Washington Court House, Ohio.

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

The annual income is to be awarded to a physically disabled student enrolled at The Ohio State University and residing at the Creative Living Housing Facility, 445 West 8th Avenue, Columbus, Ohio. Recipients will be determined by the University Committee for Student Financial Aids and the University Office for Disability Services. Preference should be given to a student with demonstrated academic ability and with the greatest financial need.

If Creative Living, Inc., should cease to exist, the income may be awarded to any physically disabled student enrolled at The Ohio State University. Should the need for this fund cease to exist or so diminish as to provide unused income, the income may be used for any purpose whatsoever as determined by the Board of Trustees with preference being given to recommendations from the appropriate administrative official from Student Financial Aids and the Office for Disability Services.

Susan D. Holdren Memorial Research Fund

The Susan D. Holdren Memorial Research Fund was established March 5, 1982, by the Board of Trustees of The Ohio State University with gifts from her family and friends.

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

Income from the fund must be used to support and advance Leukemia Research in the College of Medicine, Division of Hematology at The Ohio State University.

Should the need for these funds cease to exist, then the income may be used for any type of cancer research with preference being given to the recommendations of the Director of the Division of Hematology who is responsible for Leukemia Research.

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March 5, 1982 meeting, Board of Trustees

**EMPLOYMENT OF ARCHITECT/ENGINEER AND
REQUEST FOR CONSTRUCTION BIDS**

Resolution No. 82-82

NEIL HALL, FIRE EXIT RENOVATIONS

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

WHEREAS extensive investigations and engineering studies have revealed and confirmed numerous exit problems existing at Neil Hall; and

WHEREAS this project will provide for fire exit improvements for safety for the occupants of this area; and

WHEREAS \$120,000 has been provided by Residence and Dining Halls for this purpose:

NOW THEREFORE

BE IT RESOLVED, That the Vice President for Business and Administration be authorized to proceed to select a qualified architectural/engineering firm for this project from the lists of firms requested from and provided by the Department of Administrative Services; and that the fee for these architectural/engineering services be negotiated between the firm selected and the Department of Administrative Services, Division of Public Works; and

BE IT FURTHER RESOLVED, That the Vice President for Business and Administration be authorized to proceed to request construction bids on this project in accordance with established University procedures, and if satisfactory bids are received to recommend to the Department of Administrative Services, Division of Public Works, the award of contract, with all actions to be reported to this Board at the appropriate time.

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

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**REPORT OF AWARD OF CONTRACT AND
ESTABLISHMENT OF CONTINGENCY FUND**

Resolution No. 82-83

Synopsis: A contract has been awarded for the project listed below to the lowest and best bidder in accordance with University procedures.

WHEREAS a resolution adopted by the Board of Trustees at a previous meeting authorized the President and/or Vice President for Business and Administration to sign the plans and specifications and, in accordance with established University procedures, to request bids and, if satisfactory bids were received, to recommend to the Department of Administrative Services, Division of Public Works, the award of a contract for the following project:

March 5, 1982 meeting, Board of Trustees

**REPORT OF AWARD OF CONTRACT AND
ESTABLISHMENT OF CONTINGENCY FUND (contd)**

FAWCETT CENTER FOR TOMORROW, INSTALLATION OF SMOKE DETECTORS

Description: Provide smoke detectors for individual guest rooms, office and meeting room areas, and provide smoke detectors in elevator lobby areas to operate the elevators in the hotel section of Fawcett Center for Tomorrow.

Electrical Contract

Date Received:	January 12, 1982
No. of Bids:	4
Low Bid:	\$100,835.00* **
High Bid:	\$131,747.00*
Estimate of Cost:	\$103,000.00*
Awarded to:	Frush & Homan, Inc., Columbus, Ohio**
Total Contract:	\$100,835.00**
Total Contingency Allowance:	\$ 1,383.52 which is 1 per cent of construction contract
Total Project Cost:	\$111,711.00
Funding:	Budget Account 885164

* Recommended Alternates reflected in these figures.

**The low bid of \$75,825.00 submitted by Efficiency Systems, Inc., was not accepted by reason of their bid qualification to the effect that not all of the components comply with the specifications requiring UL labeling. Therefore, contract is being awarded to the second lowest bidder, Frush & Homan, Inc., in the amount of \$100,835.00.

NOW THEREFORE

BE IT RESOLVED, That pursuant to the actions previously authorized by the Board, the award of a contract and the establishment of project funds and a contingency fund for the project listed above are hereby reported.

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

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March 5, 1982 meeting, Board of Trustees

**ACCEPTANCE OF THE GIFT OF PROPERTY
202 ACRES IN PLEASANT TOWNSHIP (KAGAY FARM)**

Resolution No. 82-84

Synopsis: Acceptance of a farm of approximately 202 acres in Pleasant Township, Franklin County, Ohio, and establishment of an income-only unitrust are proposed.

WHEREAS Edmund M. Kagay, who is the owner of a 202.729-acre farm at 3955 Georgesville-Wrightsville Road, Grove City, Ohio, wishes to make a gift of this property to the University, through the Development Fund, subject to assumption by the University of the mortgages on the property; and

WHEREAS a condition of this gift by Mr. Kagay is the establishment of an income-only unitrust under which the University will pay to Mr. Kagay an annuity, for so long as he shall live, of seven percent of the net amount realized from the sale of the property; and

WHEREAS it has been determined that the acceptance of this gift and the establishment of the income-only unitrust are in the best interests of the University:

NOW THEREFORE

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

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

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STUDENT HEALTH INSURANCE

Resolution No. 82-85

Synopsis: Revision and renewal of the Student Health Insurance Program with Mutual of Omaha is recommended.

WHEREAS on March 7, 1980, this Board awarded a two-year renegotiated contract (effective Autumn Quarter 1980) to provide Student Health Insurance; and

WHEREAS after consideration of the desires and concerns of the students who purchase the insurance, the Student Insurance Subcommittee has recommended--and the full Council on Student Affairs has ratified this recommendation--that the renegotiated contract provide improved benefits as follows:

March 5, 1982 meeting, Board of Trustees

STUDENT HEALTH INSURANCE (contd)

Increase the daily semi-private hospital maximum room rate from \$100 to \$145.

Increase the University Student Health Service outpatient benefit from \$100 to \$150.

WHEREAS the coverage will be available on an optional basis to all registered students at the following quarterly premium schedule:

Classification	Quarterly Premium Rates
Student	\$ 40
Student and spouse	109
Student, spouse and all children	156
Student and all children	87

NOW THEREFORE

BE IT RESOLVED, That Mutual of Omaha be awarded the renegotiated Student Health Insurance contract effective the first day of classes, Autumn Quarter, 1982, for a period of two years. The contract will provide the benefit improvements as outlined above as well as those now available under the terms of the current contract.

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

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REPORT - UNIVERSITY'S INVESTMENT PORTFOLIO

Resolution No. 82-86

RESOLVED, That the report on the University's Investment Portfolio, dated February 19, 1982, as submitted to the Fiscal Affairs Committee of the Board of Trustees, be received and filed with the official records of the Board.

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APPOINTMENT OF NOMINATING COMMITTEE

Mr. Devenow announced the appointment of the following persons to the Nominating Committee:

D. James Hilliker, Chairman
John F. Havens
Leonard J. Immke

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March 5, 1982 meeting, Board of Trustees

Thereupon the Board adjourned to meet Friday, April 2, 1982, at The Ohio State University Lima Campus, Lima, Ohio, at 10:30 a.m.

Attest:

Madison H. Scott
Secretary

Chester Devenow
Chairman

APPENDIX III
Degrees Conferred at
THE OHIO STATE UNIVERSITY
COMMENCEMENT CONVOCATION
March 19, 1982

Commencement Speaker

Daryle H. Busch

Daryle H. Busch, professor of chemistry, has been a faculty member since receiving his Ph.D. from the University of Illinois in 1954. He specializes in transition metal and bio-inorganic chemistry and has recently done ground-breaking work in synthetic iron chemistry. In 1980, he was honored as an outstanding teacher with the University's Alumni Award for Distinguished Teaching, and in 1981 received the Distinguished Research Award. His numerous other awards include the 1978 Dwyer Medal of the Chemical Society of New South Wales, Australia, and he is one of only three people to receive both of the American Chemical Society's awards in inorganic chemistry. He was elected a fellow of the American Association for the Advancement of Science in 1980 and currently serves on the editorial boards of several chemistry journals.

The University is proud to have so distinguished a faculty member address the graduates of the 279th Commencement.



Recipients of Honors

W. Edwards Deming Doctor of Science

In an era marked by increasing complexity, Dr. W. Edwards Deming is one of a handful of people who have made it possible for business, industry, and government to manage the tasks of industrial societies effectively. A highly sought-after and eminent statistician, Dr. Deming is known throughout the world for his contributions to the creation and use of statistics. His work in statistics helped make possible the United States' rapid mobilization during World War II as well as Japan's miraculous recovery in the post-war period. Japan has recognized his contribution to its remarkable economic growth by striking a medal in his honor. The W. Edwards Deming Medal is awarded to the company which has made the most significant advances in productivity and product quality. Dr. Deming has served as a consultant to many foreign governments and the United Nations and has lectured at universities in Europe and South America. Committed to a more productive and humane workplace, he has helped make possible higher living standards for people around the globe. The University is privileged to honor Dr. Deming for his pioneering work in statistics.

Ferdinand Fairfax Stone Doctor of Humane Letters

Ohio State has a long tradition of academic excellence. This tradition is best demonstrated by its graduates and the contributions they have made to society and their professions. Ferdinand Stone is a shining example of this tradition. Dr. Stone is an internationally recognized authority on comparative law and the only living Rhodes Scholar from The Ohio State University. After completing his B.A. in English and his M.A. in political science at Ohio State, he attended Oxford in 1931 and from there went on to receive his doctoral degree in juristic science from Yale University. Awarded an honorary degree from the University of Grenoble by Charles DeGaulle, he was also named an honorary officer in the "Most Excellent Order of the British Empire" by Queen Elizabeth II. Dr. Stone has lectured at universities throughout Europe, authored four books—including the first textbook in French on American law—and has written over forty scholarly articles and other publications. The founder and first director of Tulane University's Institute of Comparative Law, he was Scholar in Residence at Tulane's Law School, where he taught for over forty years before retiring in 1979. Today, the University takes great pride in honoring one of its most distinguished graduates for his contributions to jurisprudence and comparative law.

Barbara W. Tuchman

Doctor of Humane Letters (presented
in absentia)

The most widely known and generally respected non-academic historian in the United States, Barbara Tuchman has brought the drama, experience, and value of history to a wide audience. An internationally recognized writer, journalist, and advocate of humanistic values, Mrs. Tuchman is a living tribute to the value of a liberal education. She received her B.A. degree from Radcliffe College in 1933 and went on to pursue a journalistic and literary career. A prolific and versatile author, she has written nine books including two Pulitzer Prize winners, *The Guns of August* and *Stilwell and the American Experience in China, 1911-1945*. Over the last two and a half decades she has contributed regularly to a number of leading journals of opinion, including *American Heritage*, *Atlantic Monthly*, *Harper's*, and *the Nation*. Her articles, like her books, vary in subject matter, from medieval history to contemporary politics and culture. Mrs. Tuchman has long been a leader in American arts and letters and is a member of the Authors League of America and the Society of American Historians. She is a former president of the American Institute and Academy of Arts and Letters and a recipient of its prized Gold Medal. In bestowing this honor on Mrs. Tuchman, the University seeks to recognize and thank her for her many contributions to the arts and humanities.

Robert C. Ringer

Distinguished Service Award

For 35 years Robert C. Ringer provided a compassionate ear and a helping hand to the faculty and staff of this University. Many can recall his leadership of the University's Payroll Office. For nearly 20 years he guided it through periods of great growth and technical and administrative changes. Later, as a special assistant to the Vice President for Personnel Services, he continued to strive to improve the quality of an Ohio State University career. Instrumental in developing the Retirement Affairs section of Personnel Services, he added the personal touch to a program designed to help faculty and staff plan and process their retirements. On behalf of the many he has touched in such a positive and caring manner, his alma mater expresses its gratitude for a job well done.

The Graduate School

Dean: Jules B. LaPidus

Doctor of Musical Arts

William Augustus Mayson, Jr., Chillicothe; Mus.B., M.M.E. (Oberlin College); *Music*; Dr. Richard E. Burkart

Beverly Jean Vaughn, Columbus; B.A. (Loma Linda University); M.Mus.; *Music*; Dr. Mario Alch

Doctor of Philosophy

Lorenzo Aguilar, Mexico City, D. F., Mexico; Matemático (Universidad Nacional Autónoma de México); M.S.; *Computer and Information Science*; Dr. Bruce W. Weide

Nahad Walliizziz Al-Khalidi, As-Sodyah Dialoh, Iraq; B. Vet. Med. S. (University of Baghdad); M.S.; *Veterinary Pathobiology*; Dr. Omar O. Barriga

Monte Richard Anderson, Carbondale, Ill.; B.S., M.S. (Southern Illinois University); *Agricultural Education*; Dr. Larry E. Müller

Robert Michael Andryscio, Parma; B.S. (Ashland College); M.S.; *Interdisciplinary: Psychology, Veterinary Preventive Medicine, and Psychiatry*; Dr. Samuel A. Corson

Ghazi Rifat Audeh, Toronto, Ontario, Canada; B.S. (Calro University); M.A.; *Education*; Dr. Robert W. Howe

Babiker Idris Babiker, Khartoum, Khartoum Sudan; B.S. (University of Khartoum); M.Phil. (University of Reading); *Agricultural Economics and Rural Sociology*; Dr. Donald W. Larson

Erdogan Bilik, Istanbul, Turkey; B.B.A. (Academy of Economics and Commercial Science); M.B.A. (University of Southern Mississippi); *Business Administration*; Dr. Andrew H. Chen

John Boulmetis, North Kingstown, R. I.; B.A., M.A. (University of Rhode Island); *Education*; Dr. David L. Boggs

Edward John Bradel, Sewickley, Pa.; B.S. (Otterbein College); M.S.; *Physiology*; Dr. Margaret T. Nishikawara

Silvana Beatriz Brianceschi, Mansfield; B.A. (Smith College); *Physiology*; Dr. John J. Curry, III

Barry John Brinkman, Worthington; B.S. (University of Notre Dame); M.S.; *Computer and Information Science*; Dr. Anthony E. Petrarca

George Lawrence Carr, Columbus; B.S. (Rensselaer Polytechnic Institute); *Physics*; Dr. David B. Tanner

Mark Steven Charnews, Southold, N. Y.; B.A., M.A. (State University of New York at Buffalo); *Geography*; Dr. Howard L. Gauthier, Jr.

Kent Leon Chasey, Wichita, Kans.; B.S., M.S. (Wichita State University); *Chemistry*; Dr. Leo A. Paquette

Kuang-Chung Chen, Taipei, Taiwan, R.O.C.; B.B.A. (National Taiwan University); M.B.A.; *Business Administration*; Dr. Andrew H. Chen

Chao-Fu Jehok Chien, Taichung, Taiwan, R.O.C.; B.S. (National Cheng Kung University); M.S. (Northeast Louisiana University); *Chemistry*; Dr. Richard J. Laub

Godwin Ositadinma Chukwuma, Oko, Aguata L.G.A., Anambra, Nigeria; B.Sc. (University of Nigeria); M.S.; *Agricultural Engineering*; Dr. Glenn O. Schwab

Chen Hua Chung, Hsingtang Changchi Pingtang, Taiwan, R.O.C.; B.A. in Commerce (National Taiwan University); M.B.A. (Northwestern State University); *Business Administration*; Dr. Lee J. Krajewski

Rhys Gordon Daniels, Alliance; B.S. (University of Cincinnati); *Chemistry*; Dr. Leo A. Paquette

Nancy Lynne Dare, Murray Hill, N. J.; B.A. (Marietta College); M.A.; *Education*; Dr. Judy L. Genshaft

Nancy Carol DeWandel, Columbus; B.A., M.A. (Brown University); *Classics*; Dr. John W. Vaughn

Adriano Romariz Duarte, Sao Paulo, Brazil; B.S. (University of Sao Paulo); M.A. (University of Sao Paulo); *Agricultural Economics and Rural Sociology*; Dr. Douglas H. Graham

Paul Arlen Forshey, Caldwell; B.S. (Muskingum College); M.S.; *Chemistry*; Dr. Theodore Kuwana

Jocelyn Kaye Fuller, Xenia; B.S. Ed. (Miami University); M.A.; *Education*; Dr. Donald J. Tosi

Michael Edward Gaffney, North Madison; B.S. (United States Merchant Marine Academy); M.A. (The New School for Social Research); *Anthropology*; Dr. Daniel T. Hughes

Peter Wilmer Gallagher, Columbus; B.S., M.S. (University of Wisconsin); *Horticulture*; Dr. T. Davis Sydnor

Donald Mark Gardner, Jr., LaGrange; B.S. Agriculture, M.S. (University of Tennessee); *Plant Pathology*; Dr. A. F. Schmittener

John Edward Garen, Alderwood Manor, Wash.; B.A. (University of Washington); M.A.; *Economics*; Dr. Donald O. Parsons

Gediminas Gasperas, Chicago, Ill.; B.S. (Illinois Institute of Technology); M.S. (University of Michigan); *Aeronautical and Astronautical Engineering*; Dr. Stuart L. Petrie

Stephen Marshall Gendler, Detroit, Mich.; B.S. (Michigan State University); *Pathology*; Dr. Keith E. Richardson

Amy Herstein Gervasio, San Francisco, Calif.; B.A. (University of California); M.A.; *Psychology*; Dr. Andrew I. Schwebel

Douglas Jay Gilbert, Bronx, N. Y.; B.A. (State University of New York at Buffalo); M.A. (Central Michigan University); M.A.; *Communication*; Dr. Sheila M. Goff

Timothy Lee Glaros, Worthington; B.S., M.S.; *Horticulture*; Dr. Wilbur A. Gould

Robert Glenn Goodwin, Omaha, Neb.; B.S. (University of Nebraska); M.S. (University of Wisconsin); *Geology and Mineralogy*; Dr. Garry D. McKenzie

James Lee Green, Fairfield; B.S., M.A.; *Education*; Dr. Robert B. Sutton

James S. Greene, III; B.S. (University of Wisconsin); M.S. (Union College); *Education*; Dr. John C. Belland

Gary David Grothaus, Dayton; B.S., M.S.; *Microbiology*; Dr. Julius P. Kreier

Dagmar Guardiola, Guanyanabo, Puerto Rico; B.A., M.S.W. (University of Puerto Rico); *Social Work*; Dr. Thomas M. Meenaghan

Thomas Johnson Hall, Wooster; B.S. (State University of New York College of Environmental Science and Forestry at Syracuse); M.S.; *Plant Pathology*; Dr. Curt Leben

John Hannah, Dunedin, New Zealand; B.S., Diploma Science (University of Otago); M.S.; *Geodetic Science*; Dr. Ivan I. Mueller

Anabelle Lee Tinsley Hansen, Delaware; B.A. (Washington State University); M.Ed. (University of Alaska); *Education*; Dr. Robert E. Taylor

- Vincent Christian Henrich, Vandalia; B.Sc. (University of Notre Dame); M.S.; *Genetics*; Dr. David E. Deninger and Dr. Walter Rothenburler
- Michael Lee Hoke, Columbus; B.S. (Wright State University); *Physics*; Dr. John H. Shaw
- Garrett Arthur Jacobsen, Willingboro, N. J.; B.A. (Franklin and Marshall College); M.A.; *Classics*; Dr. John T. Davis
- Janina Mae Jolley, Torrance, Calif.; B.A. (California State University at Dominguez Hills); M.A.; *Psychology*; Dr. John E. Horrocks
- Jannie Jones, Huntsville, Ala.; B.S., M.Ed. (Alabama Agricultural and Mechanical University); *Home Economics*; Dr. Mary Lapsitzky
- Steven Kennedy, Naperville, Ill.; B.A. (Franklin and Marshall College); *Chemistry*; Dr. Sheldon G. Shore
- Guy O'Gorman King, Washington, D. C.; B.A. (University of North Dakota); M.A.; *Philosophy*; Dr. Richard T. Garner
- Karen Shakley Ladd, Knoxville, Tenn.; B.M. (Muskingum College); M.A.; *Music*; Dr. Herbert S. Livingston
- Leah Carol Laxson, Greer, S. C.; B.S. (Bob Jones University); *Anatomy*; Dr. James S. King
- Kyu-Hwa Lee, Seoul, Korea; B.S.E. (Seoul National University); M.S.; *Metalurgical Engineering*; Dr. Digby D. Macdonald
- John Bernard Letts, South Bend, Ind.; B.A. (Indiana University); *Chemistry*; Dr. Devon W. Meek
- Douglas Frederick Mayer, Oneonta, N. Y.; A.B. (Kenyon College); M.Ed. (Ohio University); *Education*; Dr. Walter G. Hack
- Douglas Carter McElwain, Sterling, Colo.; B.A. (Hastings College); M.A.; *Psychology*; Dr. Barbara A. Edmonson
- Robert Francis McGivern, Jr., Columbus; B.S., M.A.; *Psychology*; Dr. Gary G. Berntson
- William Walter Miller, Canton; B.A., M.A.; *Education*; Dr. William Moore, Jr.
- Audni Miller-Beach, Columbus; B.A. (Texas Lutheran College); M.A.; *Education*; Dr. David L. Boggs
- Rajendra Bhalchandra Nalavade, Pune, India; B.Tech. (Indian Institute of Technology); *Industrial and Systems Engineering*; Dr. Richard A. Miller
- Vasant Ullal Nayak, Bombay, Maharashtra, India; B.Sc., M.Sc. (University of Bombay); M.S.; *Physics*; Dr. David O. Edwards
- Karen Francis Nicholson, South Charleston, W. Va.; B.S. (West Virginia State University); M.A. (West Virginia College of Graduate Studies); *Education*; Dr. James E. Kerber
- Linda Catherine Nusbaum, Columbus; B.S. (Western Michigan University); M.Ed. (University of Toledo); *Education*; Dr. Anthony C. Riccio
- Nancy Elizabeth Offutt, Hamilton; B.S., M.Mgt. (Northwestern University); *Business Administration*; Dr. Roger D. Blackwell
- George Rick Oliver, Burlington, N. J.; B.S. (North Carolina State University); M.S. (University of Illinois); *Agronomy*; Dr. George S. Taylor
- Cynthia Brooks Payne, Portsmouth; B.S., M.A.; *Education*; Dr. Donald R. Bateman
- Methard Askew Pierce, Montgomery, Ala.; B.A. (Stillman College); M.A. (The University of Alabama); M.Ed. (Alabama State College); *Education*; Dr. Herman J. Peters
- Mark Jon Piwinsky, Slickville, Pa.; B.S. (Saint Vincent College); M.A.; *Political Science*; Dr. Charles F. Hermann
- Stephen Keith Pollard, Burlingame, Calif.; B.A. (California State College at Sonoma); M.S.; *Agricultural Economics and Rural Sociology*; Dr. Douglas H. Graham
- Nicholas G. Rinaldi, Mahwah, N. J.; B.S., M.A. (Villanova University); *Theatre*; Dr. Donald R. Glancy
- Eric Risch, Ada, Ghana; B.S. (University of Guelph); M.S. (University of British Columbia); *Agricultural Engineering*; Dr. Floyd L. Herum
- Young Key Ro, Republic of Korea; B.A. (Chung-Ang University); M.S.; *Agricultural Economics and Rural Sociology*; Dr. D. Lynn Forster
- Marvin Lee Roberts, Canton; B.S., M.S. (University of Wyoming); *Botany*; Dr. Daniel J. Crawford
- Michael Lester Rose, Hamilton; B.A. (Miami University); M.A.; *Interdisciplinary: Labor and Human Resources, and Public Administration*; Dr. Robert C. Miljus
- Susan Jane Rudge, Oxford; B.S. (Miami University); M.S.; *Home Economics*; Dr. Virginia M. Vivian
- Daniel Joseph Ryan, Columbus; B.S., M.S.; *Electrical Engineering*; Dr. Edward K. Damon
- Arnold Schneider, Cleveland; B.S. (Case Western Reserve University); M.A.; *Accounting*; Dr. Thomas J. Burns
- Sheila Jolaine Scholl, Columbus; B.A. (Miami University); M.A.; *Education*; Dr. Victor M. Rentel
- Kun Sun Shiao, Taipei, Taiwan, R.O.C.; B.S., M.S. (National Taiwan University); *Agricultural Education*; Dr. J. Robert Warmbrod and Dr. Howard W. Ladewig
- Thomas Robert Shryock, Sylvania; B.S. (University of Toledo); *Medical Microbiology and Immunology*; Dr. Frank A. Kapral
- Bruce Joseph Shylo, Olmsted Falls; B.A. (Hiram College); M.A. (University of Dayton); *Education*; Dr. Aaron J. Miller
- Leonard Anthony Sikora, Columbus; B.S. (St. John Fisher College); M.S. (University of Dayton); *Biochemistry*; Dr. George A. Marzluf
- Jerry Michael Skinner, Akron; B.S. (University of Akron); M.S.; *Zoology*; Dr. Bernard L. Griewold
- Ray Michael Snider, Canoga Park, Calif.; B.A. (California State University at Northridge); M.S.; *Pharmacy*; Dr. Michael C. Gerald
- Mary Irene Stiff, Columbus; B.Ed. (University of Toledo); M.S. (Wright State University); *Veterinary Pathobiology*; Dr. Richard G. Olsen
- Bradley Harold Taylor, Eldorado, Kans.; B.S. (Kansas State University); M.S.; *Horticulture*; Dr. David C. Ferree
- Benjamin Noel Tuggle, Warner Robins, Ga.; B.S. (Fort Valley State College); M.S.; *Zoology*; Dr. John L. Crites
- Ronald Edwin Voogt, Byron Center, Mich.; B.A. (Calvin College); M.A.; *Music*; Dr. Charles M. Atkinson and Dr. Richard H. Hoppin
- Frederick Thomas Waddell, Chicago, Ill.; B.S. (Northwestern University); M.B.A. (DePaul University); M.A.; *Psychology*; Dr. Samuel H. Osipow
- Arnold Burt Weinrib, Columbus; B.S., M.S.; *Pharmacy*; Dr. Alfred E. Staubus
- Keith Franklin Widaman, South Pasadena, Calif.; B.A. (Whittier College); M.A.; *Psychology*; Dr. Fred L. Damarin, Jr.
- Peter Warren Williams, Perth, Western Australia; LL.B. (The Australian National University); Diploma Ed. (Claremont Teachers College); M.A.; *Education*; Dr. James E. Kerber

Richard Lynn Williams, Upper Arlington; B.S. (University of Cincinnati); M.A. (Georgia Institute of Technology); *Civil Engineering*; Dr. Tien H. Wu

Janice Emelie Woodard, Blacksburg, Va.; B.S.Ed. (New York State College for Teachers); M.S. (Cornell University); *Home Economics*; Dr. Fern E. Hunt

Akio Yasuhara, Toyko, Japan; B.S.S. (Saitama University); M.A. (International Christian College); *Economics*; Dr. Edward J. Kane

Master of Accounting

Yu-Yun Tristan Kuo, Taipei, R.O.C.; B.A. (Soochow University); *Accounting*

Jiann-Ni Janet Yih, Taipei, R.O.C.; B.C. (National Chengchi University); *Accounting*

Master of Architecture

James Douglas Adams, Columbus; B.S.; *Architecture*

Donald Alexander Highlander, Castalia; B.S.Arch.; *Architecture*

Uk Kim, Seoul, Korea; B.S. (Seoul National University); *Architecture*

Master of Arts

David Emerson Adams, Westerville; B.A. (Marietta College); *Education*

Helen Holupka Ahlborn, Marysville; B.A. (Otterbein College); *Psychology*

Nan Shawber Baer, Tiffin; B.A.; *Sociology*

Shelley Mai Baldwin, New Marshfield; B.S.W. (Ohio University); *Public Administration*

Elaine Carol Baron, Columbus; B.A. (Villa Maria College); *Public Administration*

Anne Skelton Bates, Sydney, Australia; B.A. (University of Sydney); *Education*

Adam Joseph Bradley, Columbus; B.A. (Oberlin College); *Journalism*

Steven Thomas Burkhead, Troy, N. C.; B.S. (Appalachian State University); *Physical Education*

Leslie Shen Bussard, Columbus; B.S.Ed. (Kent State University); *Education*

Abdul Rahim Busumatnor, Kuala Lumpur, Malaysia; Dipl. M.E. (Brighton Polytechnic); *Education*

Hwei-Wen Chen, Taipei, R.O.C.; B.A. (Tunghai University); *Education*

Kam-Fong Monit Cheung, Hong Kong; B.A. (Hong Kong Baptist College); *Public Administration*

Lois Peake Christel, Springfield; B.S.N.; *Education*

Anne Betty Conrad, Columbus; B.S.; *Communication*

Rochelle Arlene Cook, Columbus; B.F.A. (Philadelphia College of Art); *Education*

Deborah Anne Crow, Upper Sandusky; A.B. (Heidelberg College); *Communication*

Marcia Behle Daneman, Columbus; B.S. (Simmons College); *Public Administration*

Kathryn Louise Denison, Mt. Vernon; B.A. (Ohio Northern University); *Education*

Simone Odile Dennewitz, Reynoldsburg; B.S. (Ohio University); *Education*

Shaw-Ling Dung, Taipei, R.O.C.; Bachelor in Law (National Taiwan University); *Journalism*

Helene Louise Dunigan, Columbus; B.S.Ed.; *Education*

Pamela Ann Elliott, Columbus; B.A.; *Public Administration*

Peggy Anne Escola, Canton; B.S. (Bowling Green State University); *Physical Education*

Linda Sue Evans, Columbus; B.S. (Miami University); *Education*

Jeri Lynn Fisher, Lexington; B.S. (Miami University); *Communication*

Judy Ann FitzSimmons, Lucas; B.A. (Muskingum College); *Education*

Elisabeth W. Fridley, Carroll; B.S.Ed.; *Education*

Ralph Gardner, Cincinnati; B.S.; *Education*

Michael Gerard Gaski, Cleveland; B.A. (University of Detroit); M.F.A. (University of North Carolina—Greensboro); *English*

Robert James Gaston, Lisbon; B.S.; *Public Administration*

Sharon Gantt Gilbert, Marion; B.S.Ed.; *Education*

Carol Lee Graham, Columbus; B.S.Nurs.; *Education*

Derrick Wayne Graham, Frankfort, Ky.; B.A. (Kentucky State University); *Political Science*

Lawrence Frederic Greenfield, Sharon Mass.; B.A. (University of Massachusetts); *History*

Alice Jean Greenwald, Tiffin; B.S.Ed.; *Education*

Debra Sue Gross-Sidlow, Columbus; B.A. (University of Michigan); M.C.R.P.; *Political Science*

Susan Anne Halderman, Lancaster; B.A. (John Carroll University); *Journalism*

Sheryl Ann Hickman, Grove City; B.S.Ed.; *Education*

Debra Ann Hodges, Mt. Holly, N. J.; B.A. (Bennett College); *Journalism*

Margaret Lynn Holland, Denver, Colo.; B.A. (University of the Americas); *Journalism*

Jay Bonnet Hoster, Columbus; B.A. (Haverford College); *Journalism*

Norio Hozaki, Hamamatsu-shi, Japan; B.S. (Kanazawa University); *Education*

Gloria Ann Jackson, Akron; B.S.Ed.; *Education*

Melinda Jackson, Toledo; B.A.; *Education*

Kamaruzzaman Bin Jamal, Semenyih, Malaysia; B.A. (Universiti Sains Malaysia); *Education*

Esther Javetz, Tel-Aviv, Israel; B.A. (Tel-Aviv University); *Education*

Barbara Elaine Johnson, Wadsworth; B.A. (Mount Union College); *Sociology*

Donna Kay Keuck, Columbus; B.A., M.A.T. (University of the Pacific); *Sociology*

Sandra Ann Kiner, Mansfield; B.S.Ed.; *Education*

Pamela Sue Klug, Bridgeport; B.A.; *Communication*

Kurt Kraiger, Chesterland; B.A. (University of Cincinnati); *Psychology*

Richard Allan Krasnoff, Columbus; B.S.Ed. (Kent State University); *Education*

Bey-Rong Kung, Taipei, R.O.C.; B.A. (National Taiwan University); *Political Science*

Karin Michele Lopper, Columbus; B.S.Soc.Wel.; *Public Administration*

Mary Sue MacNealy, Newark; B.A.; *English*

Beverly Gene Marckel, Delaware; B.A. (Otterbein College); *Education*

Nancy Elaine Martine-Tetzloff, Columbus; B.S. (Miami University); *Education*

Laura O'Connor McClellan, Columbus; B.S. (Bowling Green State University); *Communication*

Jay Lee McCreary, Upper Sandusky; B.S.; *Education*

Wanda Louvenia McEntyre, Blacklick; B.A. (Ohio Dominican College); *Psychology*

Marilyn Mae McPheron, Elida; B.S.; *Education*

Jennifer Young Molnar, Columbus; B.A. (University of Kentucky); *Public Administration*

Daniel Otis Moorhead, Findlay; B.S.Ed.; *Public Administration*

Julie Anne Mueller, Columbus; B.A. (Oberlin College); *Architecture*

Judith R. Murphy, Wyckoff, N. J.; B.S. (University of Wisconsin); *Education*

Patricia Mary Naulty, Blackstone, Va.; B.A. (University of Evansville); *English*

Chigozie Felicia Nwaenyi, Ihiala, Nigeria; B.A. (University of Nigeria); *Black Studies*

James Edwin Owers, Methven, New Zealand; B.Com., B.Sc.M.Com. (University of Canterbury); *Business Administration*

Julie Ann Phelps, Coshocton; B.S. (Bowling Green State University); *Education*

Fatemeh Rahnavard, Tehran, Iran; B.A. (Farah Pahlavi University); *Education*

Edward George Ramsey, Lakewood; B.A. (Cleveland State University); *Political Science*

Jody Elizabeth Read, Greenville; B.S.Ed.; *Education*

Mary Ann Reichert, Rensselaer, Ind.; B.S. (St. Joseph's College); *Journalism*

Rebecca Ann Rengo, Kaleva, Mich.; B.S. (Southern Illinois University); *Public Administration*

Mary Gretchen Rice, Columbus; B.S.Nurs.; *Physical Education (Health Education)*

Donna Jean Rinckel, Cincinnati; B.A. (College-of-Mount St. Joseph); *Education*

Ramon Felipe Russe-Pena, Morovis, P. R.; B.A. (Recinto Universitario Mayagüez); *Psychology*

Cindy Lee Sasser, Columbus; B.S.Ed.; *Education*

Susan Joan Schibler, Columbus; B.A. (Kent State University); *Public Administration*

Denise Elizabeth Sells, Monroe; B.A.; *Communication*

Edward Richard Semmler, Cincinnati; B.A. (University of Cincinnati); *Journalism*

Barbara Jean Sines, Newark; B.S. (Bowling Green State University); *Education*

Diane Sue Smith, Mansfield; B.S. (Miami University); *Physical Education*

Gloria Marie Smith, Dayton; B.A. (Central State University); *Journalism*

Inga Harmon Smith, Columbus; B.S. (Bowling Green State University); *Education*

Pedro Solis-Camara-Resendiz, Guadalajara, Mexico; Licentiate (University Autonoma de San Luis Potosi); *Psychology*

Paula Hinkelman Steele, Newark; B.A. (Ohio Wesleyan University); *Education*

Roy Edwin Stone, Centerville; A.B. (University of Southern California); *Communication*

Sheri Aretha Thornton, Baltimore, Md.; B.S. (Morgan State University); *Public Administration*

Gregg Alan Timmons, Columbus; B.S.Ed. (Ohio University); *Education*

Jeffrey Nicholas Trimble, Columbus; B.A.Jour.; *Journalism*

Teresa Renee Trott, Columbus; B.A.; *Public Administration*

Barbara Slater Tucker, Gahanna; B.S.Nurs.; *Physical Education (Health Education)*

Hannah Vallette, Chillicothe; B.A. (Randolph-Macon Woman's College); *History of Art*

Nancy Ellen VanRiper, Mansfield; B.A.; *Communication*

Wanda Gail Vogler, Anniston, Ala.; B.S. (University of Dayton); *Education*

Gary Alan Walco, Van Nuys, Calif.; B.A. (University of California at Los Angeles); *Psychology*

Monika Weigl, Bad Tolz, West Germany; B.A. (Capital University); *German*

Elizabeth Murphy Withrow, Columbus; B.S.Ed.; *Education*

Ronald Gregory Wright, Columbus; B.S.Ed. (Ohio University); *Education*

Douglas Eugene Wynn, Westerville; B.S.Ed.; *Education*

David Fredric Zakin, Worthington; A.B. (Dartmouth College); *Psychology*

Connie Swartz Zitlow, Columbus; B.S. (Wittenberg University); *Education*

Master of Business Administration

Ghazali Abdul Rahman, Malaysia; B.S.B.A. (University of Tennessee); *Business Administration*

Seraj Allali Khorrnamshar, Iran; B.S.Bus.Adm.; *Business Administration*

Robert Gerard Bernardin, Evansville, Ind.; B.S.G.M. (Purdue University); *Business Administration*

Mark Frederick Brunn, Mansfield; B.S.Ed.; *Business Administration*

Frank Joseph Capella, Girard; B.A.; *Business Administration*

Wing Kin Chan, Hong Kong; B.S. (Northeastern University); *Business Administration*

Julie Lynn Chandler, Columbus; B.S.Bus.Adm.; *Business Administration*

Philip Mark Christensen, New Canaan, Conn.; B.S. (Miami University); *Business Administration*

Mary Anne Barrett Decker, Columbus; B.S.Bus.Adm.; *Business Administration*

Janet E. Dickstein, Columbus; B.A. (Beaver College); *Business Administration*

Anne Mary Dorrian, Columbus; B.B.A. (Kent State University); *Business Administration*

Steven E. Eisenberg, Columbus; B.S. Finance (University of Maryland); *Business Administration*

Robert Ewing Filler, Columbus; B.S.Bus.Adm.; *Business Administration*

Frank Nicholas Frallicciardi, Towson, Md.; B.S.B.A. (Georgetown University); *Business Administration*

Keith DeWitt Gatewood, Zanesville; B.S. (Bowling Green State University); M.S.W.; *Business Administration*

Dennis Wendell Gramlich, Columbus; B.S.; *Business Administration*

David W. Grauer, Columbus; B.S. (University of Kansas); M.S.; *Business Administration*

Gary Russell Hattery, Columbus; B.S. (Purdue University); M.S. (Massachusetts Institute of Technology); *Business Administration*

Alfred Francis Herold, Upper St. Clair, Pa.; B.S.; *Business Administration*

Henry Coggeshall Howells, IV, Columbus; B.S. (Virginia Polytechnic Institute and State University); *Business Administration*

Kurt William Huelmann, Chickasaw; B.S.Mech.Eng. (University of Cincinnati); *Business Administration*

Pui-Wai Kan, Hong Kong; B.A. (Utah State University); *Business Administration*

Joseph Edward Kristie, Argo, Ill.; B.A., M.A. (University of Illinois); *Business Administration*

Tseng-Yue Lung, Taipei, R.O.C.; B.S., B.A.; (National Cheng-kung University); *Business Administration*

Masayo Tsuboto Martin, Mount Vernon; B.A. (St. Olaf College); *Business*

Jeffrey Allan McNaul, Cincinnati; B.S. (Miami University); *Business Administration*

Paul Randall Miller, Columbus; B.A. (Capital University); *Business Administration*

David Wayne Moslow, Williamsville, N. Y.; B.A. (Canisius College); *Business Administration*

Christina M. Povenmire, Columbus; B.S.Bus.Adm.; *Business Administration*

Daniel Robert Sanders, Grand Blanc, Mich.; B.A. (Michigan State University); M.A.; *Business Administration*

Brian Frederick Snell, Dublin; B.A. (Miami University); *Business Administration*

William James Turbitt, Columbus; B.A. (William Paterson College); *Business Administration*

Bruce Edward Wilson, Columbus; B.S.Bus.Adm.; *Business Administration*

Richard Stephen Wojcik, Euclid; B.S.I.A. (General Motors Institute); *Business Administration*

Master of City and Regional Planning

Gregory Timothy Biggs, Cincinnati; B.A. (University of Cincinnati); M.P.A. (University of Mississippi); *City and Regional Planning*

Burell Toussant Charity, Youngstown; B.A. (Ohio University); *City and Regional Planning*

Katherine A. Gharrity, Delaware; B.A. (Beloit College); *City and Regional Planning*

Cheryl Parker Hamilton, Beltsville, Md.; B.A. (Howard University); *City and Regional Planning*

In Sook Lim, Vermilion; B.F.A.; *City and Regional Planning*

Colette Marie Simpson, Marietta; B.S. (Ohio University); *City and Regional Planning*

Master of Fine Arts

Mary Katherine McFerran, Albany, N. Y.; B.S., M.A. (State University of New York at Albany); *Art*

Master of Health Administration

Corinne Dillon, St. Albans, W. Va.; B.S.Bus.Adm.; *Allied Medical Professions*

Master of Labor and Human Resources

Terri Kim Bigley, Reynoldsburg; B.S.; *Labor and Human Resources*

Luis A. Diaz, Caracas, Venezuela; Licentiate in Human Resources (Universidad Catolica Andres Bello); *Labor and Human Resources*

Patricia Anne Forster, Columbus, Ind.; B.A. (Purdue University); *Labor and Human Resources*

Amy B. Saul, Bethpage, N. Y.; B.S. (State University of New York at Binghamton); *Labor and Human Resources*

Master of Music

David Lancaster Tolley, Worthington; B.Mus.; *Music*

Master of Public Administration

George John Apostolos, Canton; B.S., B.A.; *Public Administration*

John Scott Crooks, Westerville; B.A.; *Public Administration*

John Richard Diamond, Columbus; B.S. (University of Pittsburgh); B.A. (Ohio Dominican College); *Public Administration*

Vickie Joy Greene, Farmer, N. C.; B.S. (Guilford College); *Public Administration*

Master of Science

Kadry A. M. Abdel-Hamed, Cairo, Egypt; B.Sc. (Cairo University); *Biomedical Engineering*

Ismail Bin AbdLatif, Kuala Pilah, Malaysia; B.S.Agr.; *Agricultural Economics and Rural Sociology*

Abdillahi A. Aboud, Malindi, Kenya; B.S. (Texas Technical University); *Agricultural Economics and Rural Sociology*

Muhammad Sani Abubakar, Danja, Nigeria; B.Sc. (Ahmadu Bello University); *Physics*

Salim Al-Hariri, Tartous, Syria; B.S. (Damascus University); *Electrical Engineering*

Mustafa Abbas Habib Al-Shawi, Basrah, Iraq; B.Sc. (University of Basrah); *Civil Engineering*

Deborah Ann Asettine, Forbestown, Calif.; B.A. Biology (University of California at Santa Barbara); *Zoology*

Ab-Rahim Bakar, Kelantan, Malaysia; B.S. (Iowa State University); *Agricultural Education*

Robert Donald Bartlett, New Orleans, La.; B.S. (Tulane University); *Metallurgical Engineering*

Denise Karen Baun, Columbus; B.S. (Delaware Valley College); *Horticulture*

Jahan B. Bayat-Mokhtari, Meshed, Iran; B.S. (Iran College of Science and Technology); *Mechanical Engineering*

Ravi Bhushan, Agra, India; B.Tech. (Indian Institute of Technology); *Nuclear Engineering*

Jo Ann Blevens, Kettering; B.S. (University of Colorado); *Nursing*

Kathy Meg Bracic, Parma Heights; B.A.; *Industrial and Systems Engineering*

Margot Manfredo Bridgen, Rossiter, Pa.; B.S. (Pennsylvania State University); *Plant Pathology*

Edmundo Brito, I. de Matamoros, Mexico; B.S. (Universidad Autonoma de Puebla); *Chemical Engineering*

Janice Lynn Buehler, Albuquerque, N. Mex.; B.S. (New Mexico State University); *Horticulture*

Robert Winston Burkhardt, Columbus; B.S.; *Geodetic Science*

Jeanette Louise Burns, Fostoria; B.S. (Bowling Green State University); *Home Economics*

Benedicto-Do-Espirito Santo-De Campos, Monte Mor, Brazil; Agric.Engr. (University of Sao Paulo); *Animal Science*

Ken David Cardina, Akron; B.S.M.E.; *Mechanical Engineering*

Delores Ann Carter, Lake Providence, La.; B.S.N. (Dillard University); *Nursing*

Yin Chang, Kaohsiung, R.O.C.; B.S.E.E. (Chung Yuan Christian College of Science and Engineering); *Electrical Engineering*

Chii-Chao Chen, Ilan, R.O.C.; B.S.E. (National Cheng Kung University); *Ceramic Engineering*

Yen-Jen Chen, Taipei, R.O.C.; B.S., M.S. (National Chung-Hsing University); *Environmental Biology*

Yung-Cheng Timothy Chen, Taipei, R.O.C.; B.S. (Chiad-Tung University); *Mathematics*

Fan-Tien Cheng, Tainan, R.O.C.; B.S. (National Cheng Kung University); *Electrical Engineering*

Ngee Ching Cheng, Sibul, Malaysia; B.A. (Ohio Wesleyan University); *Electrical Engineering*

Ricky King-Ming Chin, Hong Kong; B.A.Sc. (University of Ottawa); *Civil Engineering*

Pong Chou, Taiwan, R.O.C.; B.S.Engr. (National Taiwan University); *Mechanical Engineering*

Gene Frank Clyde, Harrison; B.S.; *Food Science and Nutrition*

Harry Henkel Crosby, Staunton, Va.; B.S.Agr.; *Veterinary Physiology and Pharmacology*

Vickie Leigh Cunningham, Columbus; B.S. (University of Pittsburgh); *Pathology*

Panee Damrongmongkolgul, Bangkok, Thailand; B.Eng. (Chulalongkorn University); *Computer and Information Science*

Jeri Lynn Marie Dowd Braunlin, Columbus; B.S.N. (Capital University); *Nursing*

Sandra Sue Dunstan, Columbus; B.S.H.E.; *Home Economics*

Daniel William Eikenberry, Cambridge; B.S. (Urbana College); *Natural Resources*

Wahba Wahba El-Tahan, Port-Said, Egypt; B.S. (Cairo University); *Engineering Mechanics*

Carol Anne Erwin, Columbus; B.S.; *Horticulture*

Douglas Paul Fairchild, Columbus; B.S.W.E.; *Welding Engineering*

Christine Martha Fisher, Prospect; *Agricultural Education*

- Howard Alan Friedman, Beachwood; B.S.; *Zoology*
- Kenneth R. Fritz, Cincinnati; B.A. (University of Cincinnati); *Natural Resources*
- James Jeffrey Givens, Pittsburgh, Pa.; B.S. (Ohio University); *Chemical Engineering*
- Harish Kumar Goyal, Agra, India; B.E. (University of Roorkee); *Civil Engineering*
- Kathryn Wilson Grant, Stow; B.S.; *Nuclear Engineering*
- Norma Elizabeth Hague, Cuyahoga Falls; B.A. (Hiram College); *Poultry Science*
- Jerritt Harold Hansell, Fayetteville, N. C.; B.S.E.E. (Tennessee Technological University); *Electrical Engineering*
- Nancy Ann Hayes, Columbus; B.S.; *Nursing*
- Mark Albert Heinlein, Wheaton, Ill.; B.S.; *Plant Pathology*
- Robert Anthony Heitzman, Erlanger, Ky.; B.A. (Thomas More College); *Environmental Biology*
- Richard Cline Hilton, Columbus; B.S.E.E. (Ohio University); *Computer and Information Science*
- Esther Hope, Kansas City, Mo.; B.S. (University of Missouri, Kansas City); *Dairy Science*
- Thomas Wayne Hopkins, Hillsboro; B.S.Agr.; *Agronomy*
- Annjia Tinna Hsu, Taipei, R.O.C.; B.S. (National Tsing Hua University); *Chemistry*
- Yung-Haw Hu, Changhua, R.O.C.; B.S. (National Tsing Hua University); *Metallurgical Engineering*
- John M. Hyde, Richfield; B.S. Food Sc.; *Food Science and Nutrition*
- Marybeth Israel, Dayton; B.S. (Ball State University); *Home Economics*
- Debra Lynn Jacobs, Burton; B.S.; *Veterinary Pathobiology*
- Masoud Jafari-Nassab-Kermani, Tehran, Iran; B.S.E. (Purdue University); *Electrical Engineering*
- Kenneth Alan Joehlin, Curtice; B.S.Nat.Res.; *Natural Resources*
- Shu-Jen Fang Kao, Taipei, R.O.C.; B.S. (Fu Jen Catholic University); *Home Economics*
- Elliot Byron Kennel, Middleburg Heights; B.S. (Miami University); *Nuclear Engineering*
- Tze Wing Keung, Kowloon, Hong Kong; B.S.E.E.; *Electrical Engineering*
- Kamel Fahad Khazal, Baghdad, Iraq; B.Vet.Med. (University of Baghdad); *Veterinary Physiology and Pharmacology*
- Judith Kimchi, Franklin; B.Sc. (Ohio University); *Nursing*
- Ying-Hsiang Ko, Kaohsiung, R.O.C.; B.S. (National Tsing-Hua University); *Ceramic Engineering*
- Michael Jay Kunk, Springfield; B.S.; *Geology and Mineralogy*
- Alan Ray Kurtz, Salem; B.A. (Goshen College); *Agronomy*
- Mary Kathryn Kyler, Columbus; B.A. (College of Wooster); *Allied Medical Professions*
- Shu-Man Lau, Taipei, R.O.C.; B.E. (Chung-Yuan Christian College of Science and Engineering); *Civil Engineering*
- Joel Arthur Lawitts, Syracuse, N. Y.; B.S.; *Dairy Science*
- Howoo Lee, Seoul, Korea; B.S.Eng. (Seoul National University); *Industrial and Systems Engineering*
- MeeSook Lee, Seoul, Korea; B.S. (Seoul National University); *Home Economics*
- Kuang-Yu Liao, Taipei, R.O.C.; B.E. (Tamkang University); *Civil Engineering*
- Wendy Fang-Hui Lin, Taipei, R.O.C.; B.Arch. (Tamkang College); M.Arch. (National Cheng-Kung University); *Civil Engineering*
- Pau-Lu Lo, Taiwan, R.O.C.; B.Eng. (Taiwan Provincial College of Marine and Oceanic Technology); *Electrical Engineering*
- Scott Lozanoff, Holland; B.A. (University of Toledo); *Anatomy*
- David Glenn Luttrell, Dublin; B.S. (Murray State University); *Computer and Information Science*
- Deborah Harrison Marcos, Grove City; B.S.Ch.E. (Texas Agricultural and Mechanical University); *Chemical Engineering*
- Gregory Markzon, Kiev, U.S.S.R.; Diploma (Kiev University); *Mathematics*
- Paul Frank Maxson, Delano, Calif.; B.S. (California Polytechnic State University); *Animal Science*
- Mark Warner McNair, Seattle, Wash.; B.S., B.S. (University of Washington); *Computer and Information Science*
- Mala Geeta Menon, Bombay, India; B.Sc. (Bombay University); M.Sc. (Indian Institute of Technology); *Computer and Information Science*
- Nall Moonillal, Cor/Berberice, Guyana; B.Sc. (York College of the City University of New York); *Agronomy*
- James Russell Murrin, Columbus; D.D.S.; *Dentistry*
- Thomas Graydon Myers, Wauseon; B.S.Agr.; *Agricultural Economics and Rural Sociology*
- Joseph Timothy Newsome, Youngstown; B.S.; *Veterinary Pathobiology*
- Charles Kenneth Nicholas, Flint, Mich.; B.A. (University of Michigan); *Computer and Information Science*
- John F. O'Connell, Columbus; B.S. (Fordham University); *Physiology*
- David Nwabweze Onuora, Nawfia, Nigeria; B.S. (University of Nigeria); *Poultry Science*
- Gary Lee Overmier, Napoleon; B.S.; *Agricultural Economics*
- Beryl J. Packer, Port Matilda, Pa.; B.S.; *Microbiology*
- Eric Christopher Palik, Lyndhurst; B.A. (Case Western Reserve University); *Chemistry*
- Frank Robert Palmiero, Columbus; B.S.; *Computer and Information Science*
- In Gyu Park, Korea; B.S.E. (Seoul National University); *Electrical Engineering*
- Jin Won Park, Seoul, Korea; B.S.E. (Seoul National University); *Industrial and Systems Engineering*
- Sheila Jan Payne, Columbus; B.A. (Ohio Dominican College); *Home Economics*
- Mark Nicholas Perlmutter, Penns Grove, N. J.; B.S. Nutrition; *Physiology*
- Maureen O'Brien Platt, Worthington; B.S. (Virginia Polytechnic Institute and State University); *Home Economics*
- Susan Marie Proctor, East Liverpool; B.S.H.E.; *Home Economics*
- Jose Devassy Pullockaran, Irinjalakuda; India; B.S. (University of Kerala); M.Sc. (Calicut University); M.Tech. (Indian Institute of Technology); *Metallurgical Engineering*
- John Robert Rapp, Worthington; B.A. (St. Mary's College); *Mechanical Engineering*
- Joseph William Rimelspach, Columbus; B.S.; *Plant Pathology*
- Jerry Richard Roberts, Vandalia; B.S. (Wright State University); *Pharmacy*
- Cathy Ann Roche, Claremont, Calif.; B.A. (California State College at San Bernardino); *Chemistry*
- Sarah Jean Rockey, Chagrin Falls; B.S.; *Entomology*
- Timothy David Rogers, Ithaca, N. Y.; B.S. (Cornell University); *Agronomy*
- Janice Leslie Rook, Columbus; B.S. (University of Kentucky); *Nursing*

David Daniel Rowlands, Worthington; B.S., M.S.; *Geodetic Science*

Manoj Ramakant Samant, Bombay, India; B.E. (University of Bombay); *Civil Engineering*

Rodney John Samodral, Chicago, Ill.; B.S. (Loyola University); *Chemistry*

Rudolf Schneeberger, Bern, Switzerland; Diploma (Swiss Federal Institute of Technology); *Geodetic Science*

Julia Wampler Scott, Columbus; B.S.; *Nuclear Engineering*

Deva-Datta Sharma, Bhillai, India; B.Tech. (Banaras Hindu University); M.Tech. (Indian Institute of Technology); *Nuclear Engineering*

Vijay Anant Shende, Bombay, India; B.Tech. (Indian Institute of Technology); M.S.; *Welding Engineering*

Jr-Ming Shi, Taipei, R.O.C.; B.E. (Chung Yuan Christian College of Science and Engineering); *Civil Engineering*

Olorunfemi Olayinka Shittu, Ijebu-Ode, Nigeria; B.Sc. (University of Lagos); *Civil Engineering*

Terri Sue Short, Gallipolis; B.S.Agr.; *Animal Science*

Khek Giap Su, Kuala Lumpur, Malaysia; B.S. (University of Malaya); *Computer and Information Science*

Turiman Bin Suandi, Kelang, Malaysia; B.S. (University of Florida); *Agricultural Education*

David M. Sullender, Camden; B.S. (University of Massachusetts); *Agricultural Economics and Rural Sociology*

Dudley Glessner Thomas, Mansfield; A.B. (Wittenberg University); *Chemistry*

Barbara Ann Thuma, Bradford; B.A. (Goshen College); *Plant Pathology*

James William Tomko, North Royalton; B.A. (Miami University); *Environmental Biology*

Gildo Mark Tori, Farmington Hills, Mich.; B.S. (Michigan State University); *Zoology*

Heng-Sheng Jessica Torng, Taipei, R.O.C.; B.S. (National Taiwan University); *Chemical Engineering*

James Joseph Toth, Seven Hills; B.S. (Carnegie Mellon University); *Chemical Engineering*

Bruce Wayne Triplehorn, Columbus; B.S.; *Entomology*

Beth Turner, Youngstown; B.A. (Youngstown State University); *Mathematics*

Benjamin Obinero Uwakweh, Aba, Nigeria; B.S.C.E. (University of Portland); *Civil Engineering*

Koteswara Rao Vemuri, Gudivada, India; B.Tech. (Indian Institute of Technology); *Industrial and Systems Engineering*

Patricia Adair Verbanac, Decatur, Ill.; A.B. (Augustana College); B.S.M.T. (Indiana University); *Microbiology*

John Cyril Veselenak, Pleasant City; B.S.C.E.; *Civil Engineering*

Mary Ann Wagner, Edison; *Home Economics*

Mark James Watkins, Silver Spring, Md.; B.S. (Virginia Polytechnic Institute and State University); *Computer and Information Science*

David John Wayne, Tarentum, Pa.; B.S. (University of Cincinnati); *Electrical Engineering*

John Albert Wenning, Coldwater; B.S.Agr.; *Animal Science*

Chaiyong Wongchaisuwat, Bangkok, Thailand; B.E.E. (Kasetsart University); *Electrical Engineering*

Deborah Sue Wright, Tullahoma, Tenn.; B.S. (David Lipscomb College); *Home Economics*

Hsin-Chung Yu, Taipei, R.O.C.; B.E. (Chung-Yuan Christian College of Science and Engineering); *Mechanical Engineering*

Lai-Duien Yuen, Taipei, R.O.C.; B.S. (National Chung-Hsing University); *Chemistry*

Colleges of the Arts and Sciences

Chairman, Coordinating Council of Deans:

Patrick R. Dugan

Vice Provost for the Arts and Sciences:

Thomas A. Willke

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

College of the Arts

College of Biological Sciences

College of Humanities

College of Mathematical and Physical Sciences

College of Social and Behavioral Sciences

College of the Arts

Dean: Andrew J. Broekema

Bachelor of Arts

Mary Louise Amorose, Columbus
Jay Arthur Berk, Vermilion
Jeffrey Alan Brown, Cincinnati
Donna Jean Carpenter, Lebanon
Jeannette Jasmine D'Luzansky, Columbus
Elizabeth Ann Giles, Lancaster
Natalie Imbrogo, Columbus
Connie Jane Klema, Pataskala
Joel P. Moore, Columbus
Andrew Balfour Stevens, Hudson
Keith E. Stevens, Upper Arlington
Sherman Thomas Stevens, Columbus
William J. Ticosas, Warren
Marcia Z. Tressel, Lorain
Richard Scott Urban, Boardman

Bachelor of Fine Arts

John Michael Collins, Columbus
Anne Giesler Cunningham, Dublin
Judith A. Frank, Loudonville
Ann Estelle Gerckens, Columbus
Shirley Ann Hansen, Columbus
Joyce Ann Hornbeck, Springfield
David Peter Kasper, Reynoldsburg
Carolyn Sue Ward Langel, Groveport
Norman P. MacDonald, Mansfield
Kim Richardson, Columbus
Maureen Kay Santry, Columbus
Thomas Stanley Woznicki, Cleveland

Bachelor of Music

Mark Steven Ciminello, Columbus
Steven Wayne Hannan, Columbus
Richard D. Kolb, Columbus

Bachelor of Art Education (non-certified)

Deborah Fortman Dukovec, Columbus

Bachelor of Art Education¹

John Douglas DePalma, Columbus
Patricia Lynn Dorsey, Columbus
Christine P. Sarra, Reynoldsburg
Sharon Lee Shultz, Marion

Bachelor of Music Education¹

Mark Steven Ciminello, Columbus
Frederick Steven Frank, II, Columbus
Charlotte E. Green, Gahanna
Kenneth Eugene Johnson, Richwood
Linda Gail Rhuda, Reynoldsburg
Claude Lucien Thomas, Toledo

Bachelor of Science in Industrial Design

James Paul Buchheim, Westchester
Lawrence R. Dibble, Warre
John Craig Hoyer, Westerville
Nancy Gail Pace, Mason

¹ Offered jointly by the College of the Arts and the College of Education

College of Biological Sciences

Dean: Patrick R. Dugan

Bachelor of Science

Alison Cynthia Auclair, Columbus
Raymond Anthony Bannan, Shadyside
Lisa Michelle Bannon, Columbus
Robin Lynn Barker, Columbus
Judith Marie Bohn, Euclid
Harry L. Bowers III, Edgerton
Mark H. R. Brand, Cincinnati
Charles Richard Buchanan, Englewood
Cary Lewis Copeland, Columbus
Laura L. Dorsey, Columbus
David Benton Ellis, Washington C. H.
Michael James Freeland, Lima
Arla Lee Gilliland, Wellston
Mary Elizabeth Gustafson, Cleveland Heights
Michael Dale Gwinn, Newark
Kenneth James Hammer, Cleveland
John Milton Jones, Warren
John Webster Junk, Hilliard
Christopher Stephen Konkoy, Fairview Park
Marleen L. Kromer, Columbus
Philip Anthony Lampe, Worthington
Thomas Barton May, Cincinnati
Marla Kay McCune, Lucasville
Stephen D. Mills, Findlay
Carlos Ismael Montes, Jr., Lorain
James Robert Potocnik, Euclid
James Allen Raimonde, Defiance
Kent Lee Rogers, Grove City
Michael Anthony Scarpone, Steubenville
Stephanie Lynne Smith, Franklin
Kenneth Raymond Thomas, Marion
Elaine M. Treidel, Toms River, N. J.
Lance Voss, Columbus
Edward L. White, Kettering
Nancy Jean Zeleznik, Rocky River
Paul Joseph Zock, Warren

College of Humanities

Dean: Diether H. Haenicke

Bachelor of Arts

Albert Jerome Bell, Columbus
Judith A. Burke, Columbus
David William Cheney, Marion

Mary Joan Coleman, Crestline
Jane Watson Corzine, Chillicothe
Kathleen Kay Davis, Pauding
Diana Lynn Dinus, Crestline
Jennifer Lynn Dowling, Gahanna
Paul Alexander Dyer, Columbus
Allen L. Fankhauser, Bellaire
Brent D. Fitzpatrick, Columbus
Linda M. Francis, Columbus
Carol Sue Fuller, Columbus
Connie Sue Gaib, Columbus
Christopher Andrew Gallutia, Reynoldsburg
Mary Louise Garner, Circleville
Valerie Ann Hanger, Marietta
Thomas K. Harrington, Worthington
Diane Marie Harris, Lancaster
Daniel James Hayes, Puxcatowney, Pa.
Patricia Ann Kaiser, Grove City
Julia Ann Kramer, Columbus
Barbara G. Loewenstein, Cincinnati
Linda May Maggied, Columbus
Molly Maria Muth, Centerville
Linda Dianne Myers, Lexington
Timothy Richard Payne, Columbus
Richard Corbett Rutherford, Frankfort
Christopher Cole Scheu, Columbus
Lonnie Mae Seay, Columbus
Peter Trent Smith, Zanesville
Doti Jayne Venham, New Albany
Gregory Lee Watkins, Van Wert
Laurie B. Wessely, Eugene, Oreg.
Michael Scott Young, Mansfield

College of Mathematical and Physical Sciences

Dean: Colin B. B. Bull

Bachelor of Arts

Catherine Ellen Helmers, Cincinnati
George McDowell Messick, Upper Arlington
David Yale Schlossman, Mansfield

Bachelor of Science

Richard Alan Asamoto, Mayfield Village
Michael S. Brandly, Liberty, Ind.
Carol Diane Christian, Delaware
John Raymond Felix, Cincinnati
Robert Stephen Frock, North Canton
Leo Frederick Gentile, San Luis Obispo, Calif.
Thomas Arthur Klingensmith, Columbus
David Marchese, Sussex, N. J.
Joseph Reardon Morrissey, West Haven, Conn.
Maureen Cooper O'Daniel, Gahanna
Amy Irene Palm, Hebron
Ping-Ying Pan, Hong Kong
Robert Elie Rabbat, Beirut, Lebanon
Mary Beth Rafalowski, North Canton
Brant Paul Saperstein, Columbus
Ronald Glenn Schiller, Clyde
Booker T. Smith, Jr., Cleveland
Linda Davis Sullivan, Bellevue, Nebr.
Mark Allen Wafe, Columbus

College of Social and Behavioral Sciences

Dean: S. Earl Brown

Bachelor of Arts

Rick Joseph Abraham, Columbus
Evan Brian Baisden, Thornville
Brenda Lin Bare, Glenford
Audrey Lynn Baskerville, Cincinnati
Michael Alan Bell, Columbus
Lisa Anne Bennett, Westerville
Gregory Edwin Berger, Brecksville
Gregor J. Berning, Minster
Jeffrey Brian Boley, Columbus
Shari Ann Borgeson, Bay Village
David L. Brigham, Columbus
Catherine R. Brown, Botkins
Jeffrey Lee Bundy, Canton
Adrienne Anne Cardellini, Chagrin Falls
Peter Lawrence Cea, Columbus
Erin Lee Charlins, Hudson
Paul Raymond Cieslak, Brunswick
Susan Elaine Cohen, Columbus
Mary Finnerty Collins, Kirtland
Paige Doucette Crane, Columbus
Kenneth William Czerr, Chagrin Falls
Patrick L. Doone, Columbus
Janet Sue Dorn, Washington C. H.
Chester Louis Drake III, Columbus
Joseph J. Duda, Columbus
Diane P. Durant, Zanesville
Lori Jo Fenton, Plain City
Robert James Fisco, Bay Village
Donald Robert Flask, Stow
Dana Jean Fuks, Canfield
Francis X. Fullin, Columbus
Marjorie Anne Gabriel, Worthington
Mary Alice Garcia, Canfield
John Bradley Gibson, Upper Arlington
Joseph Ralph Gioffre, Huron
Jane Lynn Gynn, Hilliard
Steven Chester Harkrader, Columbus
Cheryl Denise Harris, Belpre
Mary Patricia Hartis-Anderson, Worthington
Sandra Cerlynn Hawthorne, Cleveland
Hans Juergen Hofmann, Bucyrus
Andrew William Hofstetter, Pepper Pike
Mark W. Hooper, Zanesville
Cathy Sue Howes, North Canton
Larry Eugene Huber, Westerville
Debra Beth Kangisser, Beachwood
Gregory Robert Keller, Mansfield
Patricia Kay Knox, Columbus
Elizabeth Marie Lynch, Columbus
John William Mahaffey, New Washington
Linda Carol Marcy, Chagrin Falls
Michael Samuel Martis, Lyndhurst
Kathleen Elizabeth McCoy, Columbus
Anthony Joseph Megaro, Chicago, Ill.
Richard K. Milenthal, Columbus
Cynthia K. Millberg, Ashtabula
Steven Eugene Mitchell, Delaware
Shamsi Mamaghani Moheimini, Tehran
Janice Renée Morabeto, Steubenville
Edwin S. Nail II, Mansfield
D. Keith Nichols, Columbus
Timothy S. Nichols, Upper Arlington
Susan Kristina Parrish, Columbus
Janet S. Parrott, Mansfield
Perry Lee Passen, Columbus
Victoria Elizabeth Martha Pendleton, Columbus

Kenneth W. Phillips, Newark
 Lynn Ann Phillips, Columbus
 Jeffrey Thomas Quint, Cincinnati
 Clarence Osborne Rapisarda, Cleveland
 Martha Ellen Reno, Washington C. H.
 Deborah L. Rogal, Pittsburgh, Pa.
 Janet Ruth Sabatino, Dublin
 Steven Jay Sager, Fort Wayne, Ind.
 Kristina Sue Sayre, Marion
 Ronald Carl Schaeffer, East Palestine
 Cheryl G. Silbigor, Coral Springs, Fla.
 Suzanne Marie Silva, Canton
 Richard A. Skora, Upper Arlington
 Clyde William Snow II, Delphos
 John Mark Springer, Columbus
 Debra Dee Stafford, Toledo
 John Michael Strange, Sagamore Hills
 Carmine K. Todd, Columbus
 Faye Rekos Tzemos, Columbus
 James Gordon Vail, Reston, Va.
 Jeffrey Bret Vancouver, Columbus
 Allison Lee Vivo, Youngstown
 David Barry Waxman, Toledo
 Raymond Peter White, Dayton
 Jennifer Lynn Wright, Lima

Ray Paprocki, Columbus
 Patricia I. Patterson, Munroe Falls
 Madeline Ann Patton, Salem
 William David Reilly, Cleveland Heights
 Donna Jeanne Schmidt, Upper Arlington
 John D. Shingledecker, Worthington
 William E. Sinden, Marion
 John Leigh Smart, Grafton
 Edward J. Thiede, Pinellas Park, Fla.
 Noel Allen Traver, Gahanna
 Terry L. Trimper, North Tonawanda, N. Y.
 John R. Varanese, Chesterland

Timothy Joseph Devine, Columbus
 Alan Leroy Divebiss, Fredericktown
 Michael Thomas Donahue, Columbus
 Penny Jo Dougan, Columbus
 Eric B. Durell, Columbus
 Michael Rae Dutt, Marion
 Steve Robert Eckes, Columbus
 Thomas Wray Ervin, Columbus
 Dane Harold Espenshied, Gahanna
 William Mark Evans, Worthington
 Kathrin Ann Fellows, Upper Arlington
 Redith L. Folds, Columbus
 Jon Douglas Gamertsfelder, Burgoon
 Brent Allen Gardner, Sandusky
 Karen Lynn Gary, Bexley
 Marvin P. Gillfillan, Kenton
 Virginia Hardison Girard, Columbus
 Michael A. Goldstein, Columbus
 Lisa Anne Gonzales, Columbus
 Steven Ray Goodrich, Columbus
 Helen Deloris Gore, Upper Arlington
 David Erick Gower, Butler
 Tracy Jerome Gray, Lebanon
 David Lynn Green, Baltimore
 Richard William Grunenwald, Columbus
 Juanita Susan Gugelchuk, South Point
 David Allen Gurwin, Columbus
 Edward A. Hafner, Canton
 Barbara Joan Hamilton,
 North Brunswick, N. J.
 Debi A. Hart, Marion
 Rebecca Ann Hatchett, Columbus
 Miles Frederick Hoehn, Mansfield
 Jeffrey Allen Hoffer, Newark
 Steven Clyde Holcomb, West Jefferson
 Kurt John Hollinger, Worthington
 Jeffrey Alan Holub, Columbus
 Kathleen Grace Homier, Lexington
 James E. Houston, Akron
 Steven Edward Howard, Columbus
 Kathy Anne Huettel, Barlow
 Jeanne Elizabeth Huffman, Columbus
 David Paul Isaacs, Waldo
 Coleen Marie Jablinski, Dayton
 Donald Shane Jackson, Harkersfield
 Richard Lee James, Columbus
 Timothy Jerome Jansen, Columbus
 David Eric Jarvis, Westerville
 Dan C. Jay, Columbus
 W. Scott Johnson, Toledo
 David Wesley Johnston, Wooster
 Brian Richard Jonard, Caldwell
 E. Douglas Jones, Ithaca, N. Y.
 Constance Louise Kahle, Kalida
 Daniel Scott Kaiser, Newark
 J. David Karam, Columbus
 Terry Lee Karpinski, Columbus
 Erin Teresa Kavanaugh, Plain City
 William Carl Keffer, Mansfield
 James Mark Keipper, Portsmouth
 Lisa Anne Kestler, Coshocton
 Martha Joan Kirsch, Brookfield
 Neil Martin Klatskin, Tenafly, N. J.
 Audrey H. Klein, Cleveland
 Jefferey William Koch, Columbus
 James David Kohls, Dayton
 Steve P. Korb, Westerville
 Bonnie Sue Lashley, Lyndhurst
 John Stratford Latimer, Jr., Waite Hill
 Linda Marie Lewis, Wickliffe
 Laurie Ann Lex, Hudson
 Miao-Ling Li, Columbus
 Gary Steven Losey, Wilmington
 Randy William Lovell, Severina Park, Md.
 Robert Otto Macek, Dayton
 Stephen J. Macey, Toledo
 Robert Douglas Magoto, Dayton
 Joseph Michael Mahlie, Wintersville

College of Administrative Science

Dean: H. Justin Davidson

Bachelor of Science in Business Administration

Juan I. Acevedo, Columbus
 Rodney Eugene Ackley, Lancaster
 Richard Herman Ahlers, Cincinnati
 Faiyaz Ahmed, Karachi, Pakistan
 George Scott Alecusan, Canton
 Edith Gaylord Allen, Galena
 James Randy Allen, Ellicott City, Md.
 Karen Ann Amico, Williamsville, N. Y.
 Karen Lynn Ammons, Newark
 Afkar Mohammed Amrany, Columbus
 Ronald Richard Anderson, Columbus
 Ronda Jean Anderson, Centerville
 Kevin Lee Angelo, Columbus
 Gregory Mark Anglin, Dublin
 Brian Thomas Atwell, Newark
 Kenneth Alan Auble, Ironton
 Earle Frederick Augenstein, Grove City
 John Glenn Baker, Willowick
 John Jay Bebout, Hebron
 Brett Alan Becker, South Euclid
 Sara Lee Benson, Washington C. H.
 Bruce Charles Berk, Columbus
 L. Craig Berlin, Columbus
 Brian Joseph Bernhard, Columbus
 John Robert Bertsch, Akron
 James Troy Bigham, Columbus
 Jeffrey W. Bisker, Ashville
 Jeffrey L. Boehm, Radnor
 Paula Marie Bohn, Columbus
 Brent Robert Bonecutter, Shelby
 Charles Linn Booth, Kimbolton
 Elizabeth Ann Brauner, Columbus
 Eric Bradley Brooks, Perrysburg
 Robin Drew Bryer, East Liverpool
 David Curtis Calloway, Newark
 Deborah Ann Carrel, Caldwell
 Richard Allen Carwile, Columbus
 Frederick S. Cavlovic, Mansfield
 Mark Randall Chambers, Columbus
 James Christopher Clark, Springfield
 Jeffrey Lee Clevenger, Columbus
 David Lenn Coco, Alliance
 Cheryl Ann Cooper, Rocky River
 Kelly Elizabeth Corbett, Sarasota, Fla.
 Clifford Ashbrook Curtis, Galena
 John Edwin Curtis, Cincinnati
 Walter Drew Damron, Columbus
 James Howard Davis, Jr., Columbus
 Robert Gerard DeFazio, Hamilton
 Philip Ross Derrrow, Columbus

Bachelor of Science

Cynthia Eve Chibis, Mt. Gilead
 Kerry L. Corthell, Columbus
 Felicia Cassandra Crawford, Cleveland
 Mary Louise Fraley, Garfield Heights
 Thomas Alan Griesemer, Washington
 Cynthia Jane Guest, Westerville
 Debra Ann Herdman, Portsmouth
 Thanaa Mohamed Khouloussi,
 Beirut, Lebanon
 Paula Marie Palmieri, Export, Pa.
 Terrence Joseph Schoen, Toledo
 Todd Alan Singer, Columbus
 Robin Stedfeld, Berea
 Robert Winter Stratton, Chagrin Falls
 Lori Sue Truesdell, Toledo
 Elizabeth Ann Vohs, Pittsburgh, Pa.
 Joni Lynn Wallace, Columbus

School of Journalism

Bachelor of Arts in Journalism

Karen C. Albers, Fairfax, Va.
 Kimberly Jo Barth, Cincinnati
 Robert Louis Benedetti, Columbus
 Joni Rae Berry, Hilliard
 Natalie Jane Carter, Warrensville Heights
 Thomas Jay Cole, Logan
 Lance D. Constien, Upper Sandusky
 Laura Elizabeth Cox, Mt. Sterling
 Kenneth M. Drenton, Columbus
 Daniel Ferrara, Broadview Heights
 Julie Colleen Ford, Columbus
 Roger Allen Hedges, Springfield
 Pamela J. Hinterachied, Reynoldsburg
 Leigh A. Hone, Celina
 Craig Stephan Jolley, Beaver Creek
 Dana Anne LeCain, Dublin
 Jan Nelson Lucas, Columbus
 Rhonda B. Macy, Reynoldsburg
 Mariann M. Main, Delaware
 James Brian Murphy, Youngstown
 Sandra Carolyn Myers, North Olmsted
 Mark William Naegle, Columbus

David A. Maiberger, Columbus
 Steven Gregg Maier, Columbus
 Annie Mei-Mei Mak, Hong Kong
 Michael F. Maloof, Columbus
 Robert Alan Manning, Columbus
 Billy Wilson Martin, Jr., Strongsville
 Keith Allen Matthews, Lancaster
 Ernest Brian McCallister, Elyria
 James Kenneth McHugh, Toledo
 David Brian McLaughlin, Wooster
 Christopher Alan Merklin, Pittsburgh, Pa.
 William Charles Miller, IV, Athens
 Evan Ben Millman, Cincinnati
 Janet Leah Mills, Kingsville
 John Francis Molley, Canal Winchester
 Donn Jean Moravick, St. Clairsville
 Mark Allen Naberhaus, Cincinnati
 Michael James Nann, Columbus
 Devin Scott Needles, Fostoria
 Edwin Ellsworth Newman, Jr., Leesburg
 Marie Elaine Niese, Lima
 George John Norke, North Royalton
 Robert Bradley North, Wilmington
 Elizabeth Ann Nuzum, Columbus
 Jeffery M. Olszewski, Warren
 Daniel F. Orvets, Youngstown
 John Francis O'Toole, River Forest, Ill.
 Carol Jean (Hall) Owens, West Lafayette
 Paul Allen Palmer, Shoreview, Minn.
 Christopher Brian Parham, Columbus
 Kevin Ray Patton, Westerville
 Timothy Dale Patton, Lima
 Ellen Cecile Payer, Proctorville
 Deborah Kay Pearson, Akron
 Peter Theodore Pergins, North Canton
 Jeffrey John Perry, Vancouver,
 British Columbia, Canada
 Audrey Ann Petruska, Westerville
 Michael Charles Pettis, Sandusky
 Sharon Jean Phelps, Granville
 Nancy J. Picklap, Columbus
 William David Pickrel, Dayton
 Juliane Marie Pizzino, Solon
 Mark Wilbert Poeppelman, Yorkshaire
 Larry Steven Powell, Germantown
 Colleen Jane Priest, Columbus
 Linda Skinner Priestas, Columbus
 Jeffrey F. Pritchard, Bucyrus
 Debra Louise Pusecker, Dublin
 Dean Max Rafeld, Ashland
 David Michael Randall, Columbus
 Jennifer Brinkman Reep, Columbus
 Kay Linn Reinehr, Mt. Blanchard
 Lee Owen Renner, Irwin
 Socrates John Rettos, Coshocton
 Nancy Marie Rubin, Mayfield Heights
 Mark Stephen Sales, Uhrichsville
 Prabdeep K. Sandhu, Columbus
 Deborah Meese Schenk, Mansfield
 Gregory Paul Schenk, Sylvania
 Linda Lee Schmunk, Mansfield
 Thomas E. Schodorf, Columbus
 Theodore Pete Sergakis, Pickerington
 Kent Leon Shaeffer, Westerville
 Edward George Sharick, Columbus
 Steven Lowell Shasky, Mansfield
 Bryan Jay Shaver, Norwalk
 Jeff David Sherman, Fredonia, N. Y.
 Jackson Jay Short, Archbold
 Thomas Laurence Showalter, Elyria
 Kenneth Jerry Simko, Mentor
 Kelly Sue Snyder, Mansfield
 Kerry Earl Snyder, Lima

Gregory Paul Sohovich, Reynoldsburg
 Kathryn Ann Spieldenner, Fremont
 Thomas John Sprowls, Medina
 Thomas Alan Stone, Gahanna
 Susan Lynelle Stoner, Columbus
 John Lee Streng, Marysville
 Mary Agnes Suvar, Elyria
 Linda Marie Sweeney, Columbus
 Dave Norman Sweet, Salem
 Kimberley Ann Swob, Troy
 Shelly Sue Thomas, West Chester
 Charmaine B. Thurman, Akron
 Michele Renee Tiburzi, Tiltonsville
 Tim L. Tosca, Ashville
 Quan Phat Tran, Columbus
 Brian Lee Treisch, Galion
 Matthew Charles Tyser, Westerville
 Walter Henry Vermeulen,
 Trumansburg, N. Y.
 Vaunda L. Vickio, Mansfield
 Michael Alan Vieira, Lima
 Ella Beatrice Vinson, Columbus
 David M. Vivino, Hudson
 Lou Doris Voelker, Painesville
 Morgan W. Von Lohr, IV, Centerville
 Britt Rodger Wadsworth, Sylvania
 Jonathan Robert Wagner, Columbus
 Melanie Denise Wagner-Gottberg,
 Cincinnati
 Edward Allen Walker, Hamilton
 Marcia Lynne Waller, Columbus
 William Thomas Weldon, Columbus
 Sondra Lee Wellmerling, Worthington
 Steven Marc Weston, Fairview Park
 Carolyn E. White, Columbus
 Doreen R. Whittaker, Worthington
 Cheryl Ann Williams, Cleveland Heights
 Thomas Edward Wilson, West Chester
 Diana Kay Winegardner, Thornville
 Mark A. Witchey, Columbus
 Mark Donald Witiak, Columbus
 Kirk Joseph Wuellner, Columbus
 Karen Lynne Wymer, Columbus
 Michael Scott Yankovich, Strongsville
 Chih Joy Yeh, Taipei, Taiwan, R.O.C.
 Douglas Kirk Yoho, Woodsfield
 John Roger Yoho, Columbus
 Leamon Dennis Young, Columbus
 Steven Mark Zimmerman, Akron
 Linda Joy Zovack, Massillon

Bachelor of Science in Labor and Human Resources

Cindy Lou Adelstein, Shaker Heights
 James Robert Callibbarri, Ashtabula
 Melissa Jane Corry, Rocky River
 Ronald R. Dodds, Bellefontaine
 Edward Leonard Ostrowski, Jr., Campbell
 Daniel Wayne Rankin, Columbus
 Linda Rose Remley, Batavia

College of Agriculture and Home Economics

Dean: Roy M. Kottman

Bachelor of Science in Agriculture

David Eugene Abfall, Avon
 Nathan Lowell André, Wauseon
 Frank Arata, Liberia, Costa Rica
 Tina Marie Bachner, Cincinnati
 Constance Leigh Baker, Columbus
 John Phillip Balzer, Chillicothe
 Jacquelyn Kay Banman, Willowick
 Bruce Leonard Beadle, Akron
 Harold Boggs, Jr., Galloway
 Michael William Bolton, Trenton
 Deborah Jean Boymer, Rocky River
 David John Brinton, Chagrin Falls
 Stephanie Mabel Bruegman, Midlothian, Va.
 Allan Wayne Campbell, Bucyrus
 Jeffrey Bryan Chapman, Gahanna
 Jeffrey Allen Clapper, Zanesville
 Pamela Sue Cline, Marysville
 Jacqueline Ann Colegrove, Ironton
 David Lee Cramer, Fostoria
 Thomas Paul D'Avello, Akron
 Cynthia Lynn Dye, Wilmington
 Bruce Kevin Eberhard, Grove City
 Steven James Engels, Columbus
 Christopher Kevin Eschhofen, Bryan
 Patricia Ann Fike, Ashland
 Christine Marie Fisher, Prospect
 Janice Sue Foster, Granville
 Regina Marie Frankenberg, New Bremen
 Robert Lee Fruth, Tiffin
 Jeffrey Scott Gabric, Alliance
 Randy Lee Gerber, Sabina
 Helen Marie Golovin, Columbus
 William Ernst Goos, Hamilton
 Michael James Green, Pleasantville
 Robert Bruce Gregg, Fredericktown
 Anita Beth Grisham, Cincinnati
 Jay Alan Hager, Spencerville
 David Glen Haley, Mt. Vernon
 Richard Lee Hannah, Chippewalk
 Cindy Ann Hanning, Bozeman, Mont.
 David Paul Hare, Akron
 Krista Jean Hartman, Bay Village
 Heidi Jane Haserodt, Novelty
 Sandra Kay Heileman, Port Clinton
 Christopher Jay Hicks, New Madison
 Mel LaMar Hilborn, Morral
 Dan Louis Huffman, Powell
 David Owen Hull, Alliance
 Claire Marie Jansen, Cincinnati
 Thomas Paul Junglen, Stow
 David Ellsworth Karda, Mentor
 Wayne Dale Keltner, New Vienna
 David Frank Kessler, Johnstonown
 Paul Jacob Kruger, Fonda, N. Y.
 Robert P. Krysiak, Willowick
 Robert Edward Lantz, Gates Mills
 Theresa Suzanne Leist, Farmersville
 William Donald Leist, Stoutsville
 Kevin Kenneth Levstek, Brunswick
 Lee Edward Mayes, Richwood
 Philip Kent McChesney, Edison
 Rebecca Lynn Melhorn, Zanessville
 Diana B-H Mesi, Shaker Heights
 Mary Beth Meyer, Cincinnati
 Todd Walter Michael, Urbana
 Mark Alan Miller, Louisville
 Terrence Keith Morris, Cincinnati

Michael James Moudry, Findlay
 Amy Louise Nold, Shelby
 Linda Sue Norden, Napoleon
 Mark David O'Shaughnessy, Cincinnati
 Von Paul Price, Garrettsville
 Paul Benson Ransom, Worthington
 Donald Richard Reed, Belle Center
 James Forrest Reed, Solon
 Jeffrey B. Reis, Hamilton
 Mark Allen Rettig, McClure
 David Arliss Rittinger, Circleville
 Lisa Marie Roby, Waterville
 Kenneth Wayne Roe, Columbus
 Tammy Lee Roll, Greenfield
 John Frederick Schilling, III, Mt. Vernon
 Nicholas Gale Schimmoeiler, Kalida
 Richard Stanfield Schneider, Mt. Sterling
 Dale Herman Shawk, Bucyrus
 James Roy Silver, Wooster
 Jennifer Ellen Slack, Marietta
 Brent Alan Standridge, Columbus
 Daniel Ray Stephens, Lancaster
 Martin Christian Stosiek, Hillsdale, N. Y.
 Daniel Lee Uher, Warsaw
 Boyd William Wallbrown, Deerfield
 Pat Rick Whittington, Sabina
 Bruce Alan Wiley, Canfield
 Thomas Leslie Wittich, Mt. Sterling
 Thomas Michael Wood, Worthington

Bachelor of Science in Food Science

Ingrid Amellia Howard, Akron

School of Home Economics

Bachelor of Science in Home Economics

Rebecca Ann Aldrich, Sandusky
 Stacie Jean Bornhorst, Fort Loramie
 Laura Beth Carr, Newark
 Diane McMillan Cipollo, Columbus
 Mary Christine Corcoran, Chillicothe
 Cathleen Susan Cummin, Kettering
 Michelle Darlean Dennis, Trotwood
 Regina Ann Dukes, Enon
 Rebecca Young Elliott, Worthington
 Ellen Ruth Emerman, Columbus
 Joan Dickas Flanagan, Columbus
 Mary R. Hammer, Doylestown
 Kim Ellen Hausser, Worthington
 Diane Kay Hertlein, Martinsville
 Kari C. Hill, Columbus
 Julijana Jana Kos, Mansfield
 Elizabeth A. Lennon, Columbus
 Evgenia Leontaridis, Westerville
 Michele Renee Lynch, Columbus
 Ginni Sue Malin, Beachwood
 Sandra Ann Miller, North Olmsted
 Monica Sue Nathan, Cincinnati
 Pamela Sue Nelson, Columbus
 Stephen E. Neumann, Akron
 Kathy Lynn Richey, Reynoldsburg
 Susan K. Ritter, Middletown
 Janet Raitt Russack, Columbus
 Nancy Rae Schaible, Wooster
 Lorraine M. Schmidt, Columbus
 Mary Catherine Shower, Columbus
 Patricia Ann Sloat, Akron
 Sheila Carmelle Smith, Columbus

Suzanne Pittman Suppes, Worthington
 Diane Marie Uhlenhake, St. Henry
 Mary A. Wagner, Edison
 Pamela Kay Weeks, Pleasant Hill
 Patricia Linn White, Columbus

Bachelor of Science in Restaurant Management

Robert Raymond Friedrich, Strongsville
 Richard Lynn Fritz, Berea
 Daniel Lynn Woodard, Dayton

School of Natural Resources

Bachelor of Science in Natural Resources

Jon Robert Appleman, Wooster
 Regina Rae Baird, Columbus
 Russell Homer Barbee, Jr., Hilliard
 Mark Sever Baumhardt, Centerville
 Ellen Coombs Bogardus, Columbus
 James Bruce Cardwell, Milan
 Jeffrey Phillip Cummons, Lakeview
 Dennis Francis Desmond, Cleveland
 Laurel Lynn Devaney, Hilliard
 Fred Ben Fallon, Worthington
 Paul Steve Haley, Mt. Vernon
 James Jeffrey Heck, Columbus
 Mary Barbara Henterly, Columbus
 James Theodore Jackson, Hamilton
 Donald Raymond Johnson, Cincinnati
 Steven Joe King, Findlay
 John Paul Kozloski, Worthington
 Penny Patterson Leedle, Columbus
 Rickey Nelson Lockhart, Willoughby Hills
 Gary Allen Ludwig, Adena
 Patrick Michael McKinney, Marion
 William Thomas Norman, North Canton
 Kevin Gerard O'Grady, Columbus
 Perry Jon Orndorff, Sandusky
 Bruce Patrick, Whitehall
 Lois Jean Sherrick, Ashland
 Deborah Schumann Thompson, Columbus
 John Christopher Tippie, Reynoldsburg

Agricultural Technical Institute-Wooster

Associate in Applied Science

Leslie Dawn Apgear, Columbus
 Dean Kenneth Balduff, Castalia
 Wayne Alan Becker, Ottoville
 Dennis Lloyd Begg, Bluffton
 David Mark Bell, Mansfield
 Rachel Dalton Boyer, Bowling Green
 Thomas Reber Bright, Delaware
 Dana Jon Bumgardner, Westerville
 Daniel Jay Connelly, Rocky River
 Norman Charles Dresbach, Circleville
 Thomas Moore Emmett, Richfield
 Daniel Joseph Gale, Lakewood

Bruce Melvin Gallaher, South Point
 Timothy Sherdain Giltner, Delaware
 James Ernest Hummel, Canal Winchester
 Marc Darrell Hummann, Columbus
 Gary William Inkel, Fairview Park
 Scott Arthur Kessler, Valley City
 Russell Jay King, Harrod
 Michael Larry Kocher, Galion
 David Paul Kreidler, Sandusky
 Kimberly Sue Laverly, Bay Village
 Cheryl Ann Martin, Mentor
 Tricia Ann McMaken, Tippy City
 Harry Connelly McWilliams, Bellevue
 Claire Denise Meggyesy, Wooster
 Anne Florence Nichols, Olmsted Falls
 Kevin Lee Noble, Westerville
 Danette Tanya Pitts, Parma
 Lucinda Elizabeth Schrader, Cuyahoga Falls
 Brenda Sue Schroeder, Bradner
 Craig Alan Shafer, Geneva
 Mark Edward Smith, Salem
 Charles Patrick Spatz, Trotwood
 Gregory Allan Spencer, North Royalton
 Gary Lee Ulmer, Galion
 Sharon Joanne Washington, Columbus
 Todd Jeffrey Weiland, Bellevue
 Thomas Alan Wheeler, Grove City
 Kristi Kay Wolfe, Sabina

College of Dentistry

Dean: William R. Wallace

Doctor of Dental Surgery

Carl Albion Gaston, East Liverpool
 B.A. (Case Western Reserve University)

College of Education

Dean: Robert A. Burnham

Bachelor of Science in Education

Bernice Kay Adams, Findlay
 Anne Rodier Allaby, Columbus
 Laura Carol Allgire, Bucyrus
 Sharon C. Alloway, Columbus
 Beth Amber, Delaware
 Morgan Robert Asemann, Columbus
 Linda Jane Babbert, Worthington
 Allyson J. Baker, Canfield
 Anna Maria Barnt, Spencerville
 Mark Thomas Barr, Columbus
 Bonnie Christopher Bates, Columbus; B.S.
 Carol Jene Beebe, Columbus; B.A.
 Sally Jo Beidler, Marion
 Laura Suzanne Beighley, Westerville
 Karen Sue Benedict, Blacklick
 Thomas Vincent Bensman, St. Marys
 William Richard Bremer, Newark
 Scott Edward Browning, Loudonville
 Joyce Ann Bryant, Hamilton

Janice Marie Butler, Pickerington
 Jennifer Lynn Caster, Columbus
 Tamera Sue Cellar, Delaware
 Beth Fair Cleckner, Barberton
 Anita S. Clymer, Findlay
 Linda King Courlas, Columbus
 Sharon Anne Crowe, Dublin
 Colleen Elizabeth Cunningham, Chillicothe
 Robert Vincent Darst, Zanesville
 Karen Bowen Davis, Mt. Gilead
 Michael Andrew Davis, Columbus
 Beverly Alice Dean, Grafton
 Debra Susan Delgado, Columbus
 Amy Lynn Dishong, Chagrin Falls; B.A.
 Dan L. Edwards, Van Wert
 James Frederick Ferrell, Zanesville
 Laura J. Parker Flaherty, Columbus
 Linda Skoglund Fryman, Cardington
 Peggy Lou Gavin, Columbus
 Teresa Lynn Glosser, Marion
 Gayla Lynn Grant, Brilliant
 Dianne Dusenbery Griffin, Reynoldsburg
 Juanita Kaye Hahn, Lexington
 Molly Jo Hamrick, Circleville; B.S.
 Carla Sue Harris, Columbus
 Kimberly Ann Henderson, Columbus
 Randall Earl Hendricks, Columbus
 Nanette Sue Henkel, Galion
 Margaret Rose Henning, Shelby
 Patricia Wright Heuberger, Mansfield
 Connie Marlain Hilty, Upper Sandusky
 Paula Marie Holmberg, Columbus
 Rodney Gordon Hopton, Shelby
 Karen Lynn Horn, Columbus
 Randal Dean Howett, Brookville
 Anna Mae Huntley, LaRue
 Deborah Suzette Idleman,
 Green Mt. Falls, Colo.
 Allen Timothy Jarrett, Sandusky
 Patricia Lynn Johnson, Ashland
 Robert Michael Kelsik, Fairview Park
 Clyde Stephen Keltner, Delaware
 Kirk Douglas Knox, Columbus
 Jennifer Lynn Kocher, Cardington
 Jerri Longworth Kohlhorst, Elida
 Marti Deneanne Kolb, Newark
 Jill Renee Kurtz, Beallsville
 Michelle LaFountaine, New Philadelphia
 Bonnie Sue Lahey, Bay Village
 Bryan Reid Larimore, Gahanna
 Eileen Frances Lloyd, Brentwood, N. Y.
 Rosalind Jayne Loshuk, Girard
 Anita Peters Marcus, Columbus
 Jean Marie Mavko, Madison
 Margaret Jean McElligott, Findlay
 William F. McKinney, Columbus
 Carolyn Sue McLaughlin, Sandusky
 Kathleen Louise McLinn, Columbus
 Jacqueline Ann Metzger, Shelby
 Eric Crawford Miller, Springfield
 Thomas Wesley Mitchell, Akron
 Lea Marie Montgomery, Thornville
 Thomas Steven Motka, Columbus
 Rebekah Achungo Munala,
 Kenya, East Africa
 Jerri Ann Nieberding, Lakewood
 Cheryl Ann Noble, Toledo
 Joan DeNezzo Ottolenghi, Worthington
 Todd DuWayne Penn, Columbus
 Gary Michael Pomeroy, Columbus;
 B.A. (Davidson College)
 Mary Catherine Poulos, Columbus
 Nancy Jean Pritchett, Worthington
 Gary Andrew Rawson, Columbus
 Sherri Lynn Reilly, Westlake
 Kathleen Louise Rhine, Lima

Kathryn Jean Richison, Columbus
 Michael Henry Rode, Toledo
 Pamela Sue Rowland, Bucyrus
 Sharan Anne Royer, Akron
 Susan Marie Rysavy, Columbus
 Leslie Lynne Sachs, Columbus
 Nancy Nichols Savage, Columbus
 Judith Ann Schieber, Leipsic
 Anne Spangler Sells, Marion
 Lynne Marie Shields, Sheffield Lake
 Kathleen Rae Smith, Westerville
 Deborah Lynn St. Clair, Columbus
 Daniel Robert Stevens, Worthington
 Terese Ellen Stolarski, Bexley
 Joyce Ann Stranges, Whitehall
 MaryEllen Swartz, Dayton
 Lynnette Victoria Sydnor, Cleveland
 Debra Kay Taylor, New Albany
 Kimara Jo TenEyck, Bucyrus
 Susanne Elizabeth Tilmans, Fairborn
 Karen A. Tompkins, Gahanna
 Joseph Adam Tressey, Warren
 Robert Edwin Vadas, Columbus
 Richard Peter VanDyke, Columbus
 Paul Vitartas, Columbus
 Steven James Walters, Columbus
 Joyce Leslie Wasela, Lorain
 John Jeffery Weddendorf, Westerville
 Ronda Leiola Westbrook, New Albany
 Brad Lee Weston, Greenville
 Denise Gail Whitehead, Trotwood
 Debra M. Wilson, Circleville
 Mary Jane Winner, Kenton
 Brian Leslie Wolfe, Lucasville
 Marcy Beth Zide, Cleveland
 Paul Joseph Zock, Warren

**Bachelor of Art Education and
 Bachelor of Music Education**
 degrees are offered jointly by the
 College of the Arts and the
 College of Education.

Candidates are listed under
 College of the Arts.

College of Engineering

Dean: Donald D. Glowor

Bachelor of Science in Aeronautical and Astronautical Engineering

Donna Lynn Burggraf, Upper Arlington
 Jeffrey Wayne Cole, Virginia Beach, Va.
 Thomas Michael Kuhns, Jr., Columbus
 Michael James Lawler, Dayton
 Mark Steven Miller, Columbus
 Patrick Dennis Quinn, Fort Wayne, Ind.
 Richard Byron Stewart, Vandalia
 Richard William Wills, Columbus
 Mark Matthew Wiseman, Medina
 William Anthony Wrobel, Waldo
 Ronald James Zaguli, Columbus

Bachelor of Science in Agricultural Engineering

Ronald Eugene Bowers, Bowerston
 Dean Ward Dayton, Hillsboro
 Steven Lawrence Keith Tuttle,
 Sagamore Hills

Bachelor of Science in Ceramic Engineering

Paul H. Bambeck, Dover
 Joseph A. Bruening, Chesterland
 Charles Duffy, Woodfield
 Dennis Michael Guzik, Totowa Boro, N. J.
 Gregory Paul Joyce, Akron
 Don Jeremy Roth, South Euclid

Bachelor of Science in Chemical Engineering

Jeffrey Curtis Elais, Middletown
 Michael Lee Kochersperger, West Milton
 Jeffrey Harold Yanof, Toledo

Bachelor of Science in Civil Engineering

Steven Kenneth Baum, Duval
 James Ronald Beitel, Columbus
 Robert W. Blakeman, Blacklick
 Brian Francis Casey, Columbus
 Walter Bartlett Curtis, Columbus
 Lawrence James Fridrich, Cleveland
 Larry Ralph Gaddis, Cincinnati
 David Joseph Humphrey, Columbus
 J. Christopher Mulholland, Columbus
 Molly Elizabeth Obrien, Kettering
 Muhammad Usman Kiaz, Lahore, Pakistan
 Babak Chaharsough Shirazi, Tehran, Iran
 Charles Douglas Valz, Milford
 Bryon Lee Willoughby, Richmond Dale

Bachelor of Science in Computer and Information Science

Mark Allen Courson, Clarion, Pa.
 Ricky Royce Fender, Columbus
 Tony Nelson Gossard, Lima
 Alan Frederick Hartman, Columbus
 Nouney Anom Hill, Jamaica, N. Y.
 Lisa Ellen Jackson, Bloomingburg
 James Kevin Koelkebeck, Bainbridge
 Kenneth Allen Kuttler, Middleburg Heights
 Richard Dale Lynn, Dallas, Tex.
 Robert Leslie McCoy, Columbus
 Jerome Andrew Mulner, Lorain
 Victor Thomas Nader, Zanesville
 Richard Kent Neer, East Liverpool
 Mitchell Peter Pappas, Sandusky
 Craig Alan Prall, Belle Center
 Lori Elizabeth Schultz, Westerville
 Charles Wilson Staples, Marion
 Kelly Ann White, Seven Hills

Bachelor of Science in Electrical Engineering

Craig Martin Arndt, Cleveland
 Peter Anthony Barany, Portsmouth
 Christopher Alan Bassett, Dayton
 Bradley Patten Benford, Findlay
 Michael Kevin Brown, Columbus
 Robert Kuo-wei Chen, Upper Arlington
 Allan James Crabill, Cincinnati
 Brian Thomas DeWitt, Lyndhurst
 David Thomas Dukovcic, Reynoldsburg

Kris Martin Fraley, Columbus
Barbara A. Hall
David Allen Huddlestone, Zanesville
John Calvin Katzendorn, Columbus
Phillip Arthur Kean, Hartstown
Steven Ernest Keller, Hamilton
David Mark Kollm, Fairview Park
James Alan Kroeger, Worthington
Anthony Alexander Maciejewski, Cleveland
Michael Lynn Patterson, Reynoldsburg
Jeffrey Carl Price, McConellsville
Michael Alan Radigan, Cleveland
Sudhir Rao, Columbus
Edward Gordon Rice, Corning, N. Y.
David Lee Searles, Columbus
Abdussalam Hadi Sheikh, Tripoli, Libya
Dennis Alan Shoulders, Cleveland
Deborah Ann Shutts, Grafton
Jeffrey Dean Vance, Milford
Thomas Carl Wallenhorst, Mt. Healthy
Michael Gene Weyant, Troy
Larry Keith Woolums, Lees Creek
Kenneth Scott Wyman, South Euclid

Bachelor of Science in Industrial and Systems Engineering

Deborah Ann Armeni, Salem
William Edward Bartos, Richfield
Tony Han-Kan Chau, Monterey Park, Calif.
Jeffrey Lynn Craig, Beaverreeck
Douglas Kent DeLong, Ashland
Terry Eugene Emerine, Fostoria
John Ward Finta, Warren
Richard Anthony Garnett, Middletown
Keith Richard Hoover, Bradford
Doris Elizabeth Korda, Dublin
Carol Ann Kreim, Newark
Gretchen Poettgen Lizza, Springfield
Laurie Jean Loomis, Columbus
Daniel A. Lukjanczuk, Conneaut
David Craig Schiltz, Columbus
Michael Frank Theeck, Carleton, Mich.
Maria Vanadia, Parma Heights
Wendy Lou Wirth, Middleburg Heights
Steven Michael Wolff, Columbus

Bachelor of Science in Mechanical Engineering

Menachem Amir, Ramat-Gan, Israel
Steven C. Bell, Westerville
Mark William Benoit, Cincinnati
Kevin Robert Boyne, Columbus
Bruce William Brayshaw, Miamisburg
Donald Herbert Bredbeck, Akron
Robert Esley Broderick, Fort Worth, Tex.
Paul Alan Burgener, Chesterland
Dale Douglas Carpenter, Brilliant
Dan Tillman Cox, Columbus
Jeffery David Deerhake, Lima
Robert Joseph Farmelo, Columbus
Jeffrey John Fulgham, Columbus
Rudolph Herman Helle, III, Millersport
Lucky Hionides, Canton
William Harold Kiracofe, Lima
John Joseph Laughlin, Camp Hill, Pa.
Kenneth Duane Lefton, Cleveland Heights
Steven R. Manwaring, Troy
David Bastian Marshall, Columbus
Glenda L. Mayfield, Akron
Terry Lynn Merriman, Circleville
Theodore Evans Miller, Cuyahoga Falls
Kris Joseph Modlich, Columbus

Matthew Louis Moulds, Columbus
Glen Prater, Jr., Plain City
David Anthony Schmenk, Miller City
Gary Steven Shapiro, Lyndhurst
Kathryn Elizabeth Stanton, Columbus
Russell Erling Urzi, Dayton
Jonathan Edward Uszak, Lorain
George Robert Wetterer,
Cincinnati Reading
Thomas Joseph Willis, St. Petersburg, Fla.
Mark William Wood, Columbus

Bachelor of Science in Metallurgical Engineering

Michael James Armeni, Salem

Bachelor of Science in Mining Engineering

Peter Clinton Kelley, Jr., Martins Ferry

Bachelor of Science in Surveying

James Edward Peterson, Pulaski, N. Y.

Bachelor of Science in Welding Engineering

William Hugh Hatcher, Kenton
Israel Shabtai, Columbus

School of Architecture

Bachelor of Science in Architecture

Brian James Goodall, Mansfield
Katherine Elaine Guss, Columbus
Sanaa Youssef Tobah, Cairo, Egypt

Bachelor of Science in Landscape Architecture

Bruce Randolph Moody, Columbus

College of Medicine

Dean: Manuel Tzagournis, M.D.

Doctor of Medicine

Patrick Brian Doyle, Columbus
B.A. (Capital University)
Robert Huson Hunsaker, Dayton
B.A. (Wittenberg University)
Wyndham George Mortimer, Springfield
B.S.

Melvin Wilson Thomas, Cleveland
B.A. (Oberlin College)
Douglas Craig Wallace, Grove City
B.A. (Capital University)
Kent Emerson Wallner, Lakewood
B.A. (Miami University)

School of Allied Medical Professions

Bachelor of Science in Allied Health Professions

Barbara Koczarski McNair, Columbus

School of Nursing

Bachelor of Science in Nursing

Pamela Gail Jackson, Cleveland
Betsy Hope Neckrich, Grosse Ile, Mich.

College of Optometry

Dean: Frederick W. Hebbard

Doctor of Optometry

David Brian Fritz, Warren

College of Pharmacy

Dean: Albert H. Soloway

Bachelor of Science in Pharmacy

Marion Kyle Cockerill, Washington C. H.
Lori Ater Coppel, Chillicothe
Carol Jean Damian, Columbus
Mark Oliver Durrant, Akron
Becky Sue Fultz, Middleport
Mark Alan Hadley, Harrod
Paula DeAnne Henry, St. Clairsville
Donna Louise Holmes, Coshocton
Karen Kiplinger Hostler, Ashland
Margaret Ann Hugg, Columbus
Bill Hale Jerrels, Columbus
Karen Lee Kennedy, Cambridge
Jeffrey Leonard Long, Haysville
Terrence Kent Malone, Greenhills
David James Marsico, Niles
Michael Alan Smith, Columbus
Linda Ann Taksa, Washington, Pa.
Mark A. Terpylak, Strongsville
Kenneth Alan Tolliver, Monroe
Arch Joseph Weber, Columbus
Jennifer Lynne Wharton, Columbus

College of Social Work

Dean: Robert O. Washington

Bachelor of Science in Social Welfare

Anita Louise Marshall-Gallick, Tiffin

Graduates with Honors

Criteria for graduates with honors are as follows:

With Distinction requires successful completion of a Senior Honors Thesis, oral examination, and graduation in the top 25% of the class.

With Honors in the Liberal Arts requires successful completion of the Arts and Sciences Honors Contract and graduation in the top 25% of the class.

Cum Laude designates those graduating in the top 10% of the class (top 6% in the Colleges of the Arts and Sciences).

Summa Cum Laude designates those graduating in the top 3% of the class (top 1.5% in the Colleges of the Arts and Sciences).

With Distinction in Agricultural Education
Christine Martha Fisher

With Distinction in Environmental Education
Elle Coombs Bogardus

With Distinction in Environmental Interpretation
Mary Barbara Henterly
Patrick Michael McKinney

With Distinction in Mechanical Engineering
Terry Lynn Merriman

With Distinction in English and with Honors in the Liberal Arts
Laurie Beth Wessely

With Honors in the Liberal Arts
Julie Colleen Ford
Debra Ann Herdman
John Milton Jones
Deborah Lynn Rogal
Robin Stedfeld

Cum Laude

Linda Jane Babbert
Raymond Anthony Bannan
Tina Marie Baehner
Wayne Alan Becker
Stacie Jean Bornhorst
John Phillip Bolger
Eric Bradley Brooks
Michael Kevin Brown
Charles Richard Buchanan
Paul Raymond Cieslak
Beth Fair Clechner
Lori Ater Coppel
Linda King Courlas
Jennifer Lynn Dowling
Dan L. Edwards
Connie Sue Gaib
Virginia Hardison Girard
Michael Dale Gwinn
Thomas K. Harrington
Karen Kiplinger Hostler
Daniel Scott Kaiser
Patricia Ann Kaiser
Russell Jay King
Jennifer Lynn Kocher
Michael Larry Kocher
Bryan Reid Lalmore
Lea Marie Montgomery
Patricia I. Patterson
Nancy J. Picklap
Mark Wilbert Foepfelman
Janet Raitt Russack
Judith Ann Schieber
Lucinda Elizabeth Schrader
Jeff David Sherman
Lynn Marie Shields
Todd Alan Singer
Michael Frank Theeck
Gary Lee Ulmer
Richard Scott Urban
Sondra Lee Wellmerling
Windy Lou Wirth

Cum Laude with Distinction in Animal Science
Janice Sue Foster

Summa Cum Laude

Anne Rodier Allaby
Laura Carol Allgire
Charles Linn Booth
Diane McMillan Cipollo
Robert K. Chen
Kerry L. Corthell
Brian Thomas DeWitt
Charlotte E. Green
David Allen Gurwin
Alan Frederick Hartman
Constance Louise Kahle
Carol Ann Kriem
Anthony Alexander Maciejewski
Linda Sue Norden
Amy Irene Palm
Glen Prater, Jr.
Don Jeremy Roth
Deborah Meese Schenk
Vaunda L. Vickio
Mary Ann Wagner
Mary Jane Winner

Summa Cum Laude with Distinction in Parks and Recreation Administration

Lois Jean Sherrick

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THE OHIO STATE UNIVERSITY
OFFICIAL PROCEEDINGS OF THE
ONE THOUSAND ONE HUNDRED AND SEVENTY-EIGHTH MEETING
OF THE BOARD OF TRUSTEES

Lima, Ohio, April 2, 1982

The Board of Trustees met at its regular monthly meeting on Friday, April 2, 1982, at The Ohio State University Lima Campus, Lima, Ohio, pursuant to adjournment.

Present: Chester Devenow, Chairman, Warren J Smith, John D. Jacob, D. James Hilliker, John F. Havens, Leonard J. Immke, and John W. Berry.

* * *

Minutes of the last meeting were approved.

* * *

April 2, 1982 meeting, Board of Trustees

The Vice Chairman, Mr. Smith, called the meeting of the Board of Trustees to order at 9:45 a.m. He requested the Secretary to call the roll. The meeting recessed into Executive Session for the purpose of considering legal issues and personnel-related matters.

Present: Warren J Smith, John D. Jacob, D. James Hilliker, Leonard J. Immke, and John W. Berry.

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The meeting of the Board of Trustees reconvened at 12:15 p.m. with Chester Devenow, Chairman, presiding.

RESOLUTIONS IN MEMORIAM

Resolution.No. 82-87

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

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

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

Wallace E. Anderson

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on February 28, 1982, of Wallace E. Anderson, Associate Professor in the Department of Philosophy.

Professor Anderson was born in 1931 near Staples, Minnesota. He attended Macalester College and upon graduation in 1953 (cum laude), attended Chicago Theological Seminary for one year. He was married in 1954 and went on to the University of Minnesota where he received the M.A. in 1958 and Ph.D. in 1961. He taught at the University of Florida from 1958 to 1961, joining The Ohio State University's Department of Philosophy in 1961.

During his 21 years at Ohio State, Professor Anderson served on numerous department and University committees. He was especially committed to the development of our library resources and headed the department Library Committee for a number of years. He taught and published primarily in 17th and 18th century philosophy, and in American philosophy. His writing dealt with problems of metaphysics, perception, and the history and philosophy of science. He edited a volume of the Yale University Press edition of the works of Jonathon Edwards, contributing a number of lengthy and scholarly introductions to Edwards' scientific and philosophical writings.

Professor Anderson's research has been supported by the National Endowment for the Humanities, the Southern Fellowships Foundation, and The Ohio State University. He

April 2, 1982 meeting, Board of Trustees

RESOLUTIONS IN MEMORIAM (contd)

Wallace E. Anderson (contd)

belonged to a number of professional and public service organizations, including the American Philosophical Association, the Society for 18th Century Studies, the Columbus Area Civil Rights Council, the United Nations Organization, and groups which supported the musical and cultural institutions of Columbus.

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

Mary Jane Loomis

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on December 8, 1981, of Mary Jane Loomis, Professor Emeritus in the Academic Faculty of Early and Middle Childhood Education.

Mary Jane Loomis was born in 1904 in New Philadelphia, Ohio. She attended Goucher College, Baltimore, Maryland, and received her B.S.Edu., M.A. and Ph.D. degrees at The Ohio State University. She taught several years in New Philadelphia, Ohio. She was an associate of the *Columbus Citizen* and taught at the School For the Handicapped Children in Columbus.

In 1936 she joined the faculty at the University School and College of Education at OSU and continued there until her retirement. She was a Professor Emeritus in Early and Middle Childhood Education.

While at OSU, she was an active member of the Association for Childhood Education International organization and served in various capacities. For many years, she contributed articles to the journal, *Childhood Education*, and served one term on the journal's editorial board. She also was a member of the Association for Supervision and Curriculum Development and contributed to the organization's magazine. She served on the association's Yearbook Committee that prepared the ASCD 1962 Yearbook, titled: *Perceiving, Behaving, Becoming: A New Focus for Education*. She received an award of merit for her years of service to the organizations.

She was a member of Pen Women in Ohio and received recognition for her book, *The Pre-adolescent*, published in 1959.

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

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April 2, 1982 meeting, Board of Trustees

UNIVERSITY HOSPITALS BOARD

Resolution No. 82-88

Synopsis: Confirmation and approval of nominees to the University Hospitals Board is proposed.

WHEREAS the Board of Trustees on November 30, 1979, approved the establishment of a University Hospitals Board; and

WHEREAS the membership of the Board was approved on April 4, 1980; and

WHEREAS it was stipulated that "The Hospitals Board shall be comprised of three members of the University Board of Trustees and twelve other persons, selected from the general public who shall be appointed by the University Board of Trustees in consultation with the President"; and

WHEREAS the present terms of four members selected from the general public and the terms of the three members from the University Board of Trustees expire on April 30, 1982:

NOW THEREFORE

BE IT RESOLVED, That the following nominees be approved as general public members of the University Hospitals Board for a term of three years, effective May 1, 1982:

Arthur I. Vorys
John Hodges
Frank Lomax
Freida I. Shirk

and

BE IT FURTHER RESOLVED, That the following three members of the University Board of Trustees be confirmed for membership on the University Hospitals Board for the term, May 1, 1982, through April 30, 1983:

Daniel M. Galbreath
D. James Hilliker
Edmund C. Redman

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

--o--

April 2, 1982 meeting, Board of Trustees

NAMING OF HOYT SHERMAN GALLERY

Resolution No. 82-89

Synopsis: The gallery located in Sullivant Hall be named The Hoyt Sherman Gallery.

WHEREAS Professor Hoyt L. Sherman was recognized as an outstanding contributor to the discipline of art; and

WHEREAS Professor Hoyt L. Sherman's accomplishments extended through a variety of disciplines; and

WHEREAS the many grateful students who studied under Professor Sherman are found in all parts of the country:

NOW THEREFORE

BE IT RESOLVED, That the gallery located in Sullivant Hall be named The Hoyt Sherman Gallery.

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

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**DATE CHANGE FOR IMPLEMENTATION OF UNCONDITIONAL ADMISSION
TO THE OHIO STATE UNIVERSITY**

Resolution No. 82-90

Synopsis: Date change for implementation of unconditional admission to The Ohio State University is being proposed.

WHEREAS the Board of Trustees announced on September 4, 1981, the intent of The Ohio State University to grant unconditional admission in Autumn 1983 to those students completing a college preparatory curriculum in high school; and

WHEREAS the University Senate at its meeting of March 13, 1982, defined that curriculum which will best prepare students to undertake and succeed at university level study; and

WHEREAS the Council on Academic Affairs and Council on Admission and Registration, together with numerous individuals and high school administrations, have asked that implementation of the unconditional admission policy be delayed until Autumn 1984 in order to allow an efficient and appropriate transition period; and

WHEREAS implementation of this policy in 1984 will allow time for better articulation with the high schools and students who will be affected:

April 2, 1982 meeting, Board of Trustees

**DATE CHANGE FOR IMPLEMENTATION OF UNCONDITIONAL ADMISSION
TO THE OHIO STATE UNIVERSITY (contd)**

NOW THEREFORE

BE IT RESOLVED, That the effective date for implementation of Board Resolution Number 82-18 be Autumn Quarter 1984 instead of Autumn Quarter 1983.

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

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PERSONNEL ACTIONS

Resolution No. 82-91

Synopsis: In addition to the regular personnel actions taken since the last meeting, the following Changes in Title; Reappointment of Principal Administrative Officials; Reappointment of Chairmen of Academic Faculties, Departments, and Divisions, and Director of School; Medical Staff Appointments; Leaves of Absence Without Salary; Professional Improvement Leaves; and Emeritus Titles are recommended for approval.

RESOLVED, That the personnel actions as recorded in the Personnel Budget Records of the University since the March 5, 1982 meeting of the Board, including the following Changes in Title; Reappointment of Principal Administrative Officials; Reappointment of Chairmen of Academic Faculties, Departments, and Divisions, and Director of School; Medical Staff Appointments; Leaves of Absence Without Salary; Professional Improvement Leaves; and Emeritus Titles as detailed in the University Budget, be approved.

Changes in Title

Name: CLIVE W. DONOHO
Title: Acting Director, Ohio Agricultural Research and Development Center, and Professor, Department of Horticulture
Effective: April 2, 1982
Present Position: Associate Director, Ohio Agricultural Research and Development Center, and Professor, Department of Horticulture

Name: GEORGE R. GIST, JR.
Title: Acting Director, Cooperative Extension Service, and Professor, Department of Agronomy
Effective: April 2, 1982
Present Position: Associate Director, Cooperative Extension Service, and Professor, Department of Agronomy

April 2, 1982 meeting, Board of Trustees

PERSONNEL ACTIONS (contd)

Reappointment of Principal Administrative Officials

ALBERT H. SOLOWAY, Dean of the College of Pharmacy, effective July 1, 1982 through June 30, 1987, pursuant to rule 3335-3-17 of the Administrative Code.

JAMES S. BIDDLE, Dean and Director of The Ohio State University Lima Campus, effective July 1, 1982 through June 30, 1987, pursuant to rule 3335-3-17 of the Administrative Code.

Reappointment of Chairmen of Academic Faculties, Departments, and Divisions, and Director of School

July 1, 1982 through June 30, 1986

Agricultural Education	J. Robert Warmbrod
Agricultural Mechanics (ATI)	Wayne Longbrake
Animal Industries (ATI)	Ronald Borton
Home Economics	Francille M. Firebaugh
Horticultural Industries (ATI)	Gary Anderson
Horticulture	Howard Rollins

July 1, 1982 through June 30, 1984

Dairy Science	Glen H. Schmidt
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July 1, 1982 through June 30, 1983

Educational Foundations and Research	*Elsie J. Alberty
Educational Administration	*Lonnie H. Wagstaff

*Acting Chairman

Medical Staff Appointments

Effective July 1, 1973

Joseph Schlonsky, M.D.	Courtesy Staff in Surgery, Division of Orthopaedic Surgery	Clinical Instructor
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Effective July 1, 1979

Albert C. Clairmont, M.D.	Limited Staff in Physical Medicine and Rehabilitation	Clinical Instructor H.S.
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April 2, 1982 meeting, Board of Trustees

PERSONNEL ACTIONS (contd)

Medical Staff Appointments (contd)

Effective July 1, 1981

Lester R. Mohler, M.D.	Courtesy Staff in Surgery, Service of Plastic Surgery	Clinical Assistant Professor
Ronald A. Naille, M.D.	Courtesy Staff in Surgery, Service of Plastic Surgery	Clinical Assistant Professor
H. William Porterfield, M.D.	Courtesy Staff in Surgery, Service of Plastic Surgery	Clinical Associate Professor
Blair D. Vermilion, M.D.	Courtesy Staff in Surgery, Service of General Surgery	Clinical Assistant Professor

Effective September 1, 1981

Linda James Myers, Ph.D.	Associate Staff in Psychiatry (Clinical Psychology)	Clinical Associate Professor
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Effective October 1, 1981

John E. Horton, D.D.S.	Attending Staff in Dentistry, Service of General Dentistry	Professor
Charles F. Johnson, M.D. Elaine Nemzer, M.D.	Attending Staff in Pediatrics Transfer from Limited Staff in Psychiatry, Service of Child Psychiatry, to Courtesy Staff in Child Psychiatry	Professor Clinical Assistant Professor
Nicolas Tsakalos, M.D	Limited Staff in Medicine, Service of Rheumatology (Fellow)	Clinical Instructor H.S.

Effective January 1, 1982

David K. Johnson, M.D.	Limited Staff in Physical Medicine and Rehabilitation	Clinical Instructor H.S.
Paul D. Kautz, M.D.	Limited Staff in Surgery, Service of Thoracic and Cardiovascular Surgery	Clinical Instructor H.S.

April 2, 1982 meeting, Board of Trustees

PERSONNEL ACTIONS (contd)

Medical Staff Appointments (contd)

Effective January 1, 1982 (contd)

Douglas A. Kuperman, M.D.	Limited Staff in Family Medicine	Clinical Instructor H.S.
Thomas E. Lammertse, M.D.	Limited Staff in Physical Medicine and Rehabilitation	Clinical Instructor H.S.
Wyndham G. Mortimer, M.D.	Limited Staff in Anesthesiology	Clinical Instructor H.S.
Kim Nicola, M.D.	Limited Staff in Family Medicine	Clinical Instructor H.S.
Kottil Walappil Rammohan, M.D.	Attending Staff in Medicine, Service of Neurology	Assistant Professor
Lewis Seeder, M.D.	Limited Staff in Physical Medicine and Rehabilitation	Clinical Instructor H.S.

Effective February 1, 1982

Melvin Wilson Thomas, M.D.	Limited Staff in Family Medicine	Clinical Instructor H.S.
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Effective March 1, 1982

Patrick Brian Doyle, M.D.	Limited Staff in Family Medicine	Clinical Instructor H.S.
John C. Jump, M.D.	Courtesy Staff in Physical Medicine and Rehabilitation	Clinical Assistant Professor
Douglas C. Wallace, M.D.	Limited Staff in Family Medicine	Clinical Instructor H.S.

Leaves of Absence Without Salary

EDWARD P. J. CORBETT, Professor, Department of English, effective January 1, 1983 through March 31, 1983, to accept a visiting professorship at the University of Houston.

JOHN K. SHANK, Professor and Chairman, Academic Faculty of Accounting, effective October 1, 1982 through June 30, 1983, to accept a visiting professorship at the Amos Tuck School at Dartmouth College.

NORA CHING, Instructor, Department of East Asian Languages and Literatures, effective May 24, 1982 through June 12, 1982, to accompany an official trade delegation of the State of Ohio to China.

April 2, 1982 meeting, Board of Trustees

PERSONNEL ACTIONS (contd)

Leaves of Absence Without Salary (contd)

SUSAN ZAVOTKA, Instructor, School of Home Economics, effective October 1, 1982 through June 30, 1983, to pursue work on her Ph.D. degree.

Professional Improvement Leaves

B. CHANDRASEKARAN, Professor, Department of Computer and Information Science, effective Autumn Quarter 1982, Winter Quarter 1983, and Spring Quarter 1983.

JAMES R. GAINES, Professor, Department of Physics, effective Autumn Quarter 1982, Winter Quarter 1983, and Spring Quarter 1983.

LESTER E. KRUEGER, Professor, Department of Psychology, effective Autumn Quarter 1982, Winter Quarter 1983, and Spring Quarter, 1983.

DAVID J. LIM, Professor, Department of Otolaryngology, effective Summer Quarter 1982 and Autumn Quarter 1982.

JOSEPH J. PARNICKY, Professor, College of Social Work, effective Autumn Quarter 1982, Winter Quarter 1983, and Spring Quarter 1983.

THOMAS H. ROCKWELL, Professor, Department of Industrial and Systems Engineering, effective Autumn Quarter 1982, Winter Quarter 1983, and Spring Quarter 1983.

MICHAEL A. CHIPPERFIELD, Associate Professor, Department of Art, effective Autumn Quarter 1982, Winter Quarter 1983, and Spring Quarter 1983.

JOHN D. HARDER, Associate Professor, Department of Zoology, effective Autumn Quarter 1982, Winter Quarter 1983, and Spring Quarter 1983.

THOMAS A. WOLF, Associate Professor, Department of Economics, effective Autumn Quarter 1982, Winter Quarter 1983, and Spring Quarter 1983.

Emeritus Titles

WILLIAM E. HURLEY, Academic Faculty of Management Sciences, with the title Professor Emeritus, effective July 1, 1982.

D. RANSOM WHITNEY, Department of Statistics, with the title Professor Emeritus, effective April 1, 1982.

RICHARD B. FARISON, Cooperative Extension Service, with the title Associate Professor Emeritus, effective May 1, 1982.

April 2, 1982 meeting, Board of Trustees

PERSONNEL ACTIONS (contd)

Emeritus Titles (contd)

MARY JAYNE DOVENBARGER, Cooperative Extension Service, with the title Assistant Professor Emeritus, effective July 1, 1982.

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

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REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS

Resolution No. 82-92

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

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

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

NOW THEREFORE

BE IT RESOLVED, That the research agreements between The Ohio State University and The Ohio State University Research Foundation for the contracts and grants reported herein, and the acceptance of the reports from the Engineering Experiment Station, the Ohio Agricultural Research and Development Center, and The Ohio State University Development Fund during the month of February 1982 be approved.

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

SUMMARY FOR FEBRUARY 1982

Source	No. of Projects	Support Level
The Ohio State University Research Foundation	66	\$8,474,272.42
Engineering Experiment Station	48	578,494.00
Ohio Agricultural Research and Development Center	63	187,503.00
		\$9,240,269.42

April 2, 1982 meeting, Board of Trustees

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

SUMMARY FOR FEBRUARY 1982 (contd)

The Ohio State University Development Fund

Establishment of Named Funds

The Alec Parsons Scholarship in the College of Engineering (College of Engineering)	\$9,094.28
The Rudolf Kaebbling Memorial Research Fund in Psychiatry (Department of Psychiatry)	\$8,600.00
Endowed Program Fund in Cooperative Business Management (Department of Agricultural Economics and Rural Sociology)	\$7,500.00
The John T. Mount Fund for Post- Baccalaureate Study (Office of Academic Affairs)	\$6,500.00
The Buford M. and May Scott Teater Scholarship Fund (School of Natural Resources)	\$5,000.00

Change in Name and Description of Named Fund

From: The Donald E. Demkee Dental Scholarship Fund
To: The Dr. Donald E. Demkee Wayne-Holmes County Scholarship Fund

Report from Presidents Club

Members to date	4,535
1982 members - year to date	16
New members - February 1982	8

New Presidents Club Members - February 1982

Christine D. Davis (Mrs. James R., Jr.)	Gary A. Matthews
Fredric A. Davis	Paul E. Slade
Robert H. Heinecke	Paul K. Wooster
Jacqueline K. Kloenne (Mrs. Frank J.)	Ronald J. Zeller

April 2, 1982 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION

Federal Research Contracts/Grants

\$4,633,895.00 - Department of Education, Office of Vocational and Adult Education, Washington, D. C., The National Center for Research in Vocational Education, The National Center for Research in Vocational Education (R. E. Taylor), 1 February 1982 through 15 January 1983. (Project 761008 - Continuation)

\$790,000.00 - Department of Energy, Chicago Operations Office, Argonne, Illinois, High Energy Physics, Department of Physics (T. A. Romanowski, K. Reibel, N. W. Reay, N. R. Stanton, T. Y. Ling, H. P. Kagan, W. F. Palmer, K. Tanaka, K. D. Lane, S. S. Pinsky and W. W. Wada), 1 February 1982 through 31 January 1983. (Project 762116 - Continuation)

\$216,663.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Southwest Oncology Group, Department of Medicine (S. P. Balcerzack), Department of Pathology (K. P. Clausen), Department of Surgery (J. P. Minton), and Department of Radiology (F. Batley), 1 January 1982 through 31 December 1982. (Project 761094 - Continuation)

\$200,513.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Division of Research Resources, Bethesda, Maryland, General Clinical Research Center, College of Medicine - Administration (M. Tzagouris) and Department of Medicine (W. B. Malarkey), 1 December 1981 through 30 November 1982. (Project 761196 - Continuation)

\$174,660.00 - Department of Education, National Institute of Education, Washington, D. C., Research Program on Employability, The National Center for Research in Vocational Education (R. E. Taylor), 1 February 1982 through 31 March 1982. (Project 762530 - Continuation)

\$166,800.00 - National Science Foundation, Washington, D. C., Rainfall Studies Using the Differential Reflectivity Radar Techniques, Department of Electrical Engineering (T. A. Seliga), 15 February 1982 through 31 December 1982. (Project 762445 - Continuation)

\$114,989.00 - National Aeronautics and Space Administration, Langley Research Center, Hampton, Virginia, Radar Cross Section Studies, Department of Electrical Engineering, ElectroScience Laboratory (L. Peters and W. D. Burnside), 1 May 1982 through 30 April 1983. (Project 761608 - Continuation)

\$106,894.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Immunity to Tumor - Localized, Chemically - Modified Drugs, Department of Pathology (R. F. Barth), 1 January 1982 through 31 December 1982. (Project 761801 - Continuation)

April 2, 1982 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

\$104,750.00 · Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Role of Glycolipids in Glioma Resistance to Cytolysis, Department of Pathology (A. J. Yates), 1 February 1982 through 31 January 1983. (Project 762989 · New)

\$104,544.00 · Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Immunosuppressive Properties of Retrovirus Protein, Department of Veterinary Pathobiology (R. G. Olsen and E. A. Hoover), 1 February 1982 through 31 January 1983. (Project 762986 · New)

\$80,471.00 · Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, Solution Structure of Ribosomal 5S RNA and 5.8S RNA, Department of Chemistry (A. G. Marshall), 1 January 1982 through 31 December 1982. (Project 762523 · Continuation)

\$68,685.00 · Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Vasoactive Intestinal Peptide in Diagnosis of Leukemia, Department of Medicine (M. S. O'Dorisio and T. O'Dorisio), 1 December 1981 through 30 November 1982. (Project 762499 · Continuation)

\$66,200.00 · Department of Energy, Chicago Operations Office, Argonne, Illinois, Development and Optimization of Methodologies for Analysis of Complex Hydrocarbon Mixtures, Department of Chemistry (R. J. Laub), 1 January 1982 through 31 December 1982. (Project 761982 · Continuation)

\$65,282.00 · National Science Foundation, Washington, D. C., Effect of Vegetation Roots on Slope Stability, Department of Civil Engineering (T. H. Wu), 15 January 1982 through 14 January 1983. (Project 762987 · New)

\$61,300.00 · National Science Foundation, Washington, D. C., An Analysis of Microstructure and Toughness of Ceramics, Department of Metallurgical Engineering (R. G. Hoagland), 1 January 1982 through 31 December 1982. (Project 762334 · Continuation)

\$60,000.00 · National Science Foundation, Washington, D. C., Analytical and Physicochemical Studies by Gas-Liquid Chromatography, Department of Chemistry (R. J. Laub), 15 February 1982 through 28 February 1983. (Project 762981 · Continuation)

April 2, 1982 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

\$58,600.00 - National Science Foundation, Washington, D. C., Multiple Hydrogen Bonding, Department of Chemistry (J. Hine), 1 March 1982 through 28 February 1983. (Project 762996 - New)

\$56,900.00 - Department of Energy, Chicago Operations Office, Argonne, Illinois, Kinetics of Fast Reactions of Excited Species, Department of Chemistry (R. F. Firestone), 1 December 1981 through 30 November 1982. (Project 760022 - Continuation)

\$51,500.00 - National Science Foundation, Washington, D. C., Glacial Geological and Fossil Beetle Studies in Southern Argentina: A Climatic Reconstruction of the Last 15,000 Years, Institute of Polar Studies (J. H. Mercer), 15 January 1982 through 15 January 1983. (Project 762973 - New)

\$50,000.00 - Department of the Air Force, Air Force Systems Command, Aeronautical Systems Division, Wright-Patterson AFB, Ohio, Experimental and Theoretical Assessment of a New Technique for the Non-Destructive Evaluation of Adhesive Joints, Department of Engineering Mechanics (V. H. Kenner), 18 February 1982 through 30 September 1982. (Project 762999 - New)

\$47,470.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute on Aging, Bethesda, Maryland, Model to Study Intra and Extrathymic Influences in Aging, Department of Anatomy (K. H. Jones), 1 March 1982 through 28 February 1983. (Project 762998 - New)

\$47,462.00 - National Science Foundation, Washington, D. C., Toward More Complicated Computer Imagery, Department of Computer and Information Science (F. C. Crow), 1 February 1982 through 31 January 1983. (Project 762017 - Continuation)

\$41,542.00 - National Aeronautics and Space Administration, Washington, D. C., The Role of Acid and Calcium Gradients in Gravitropism, Department of Botany (M. L. Evans), 1 March 1982 through 28 February 1983. (Project 763005 - New)

\$40,838.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Arthritis, Diabetes, Digestive and Kidney Disease, Bethesda, Maryland, Short-Term Dietary Control of Liver Lipogenesis, Department of Food Science and Nutrition (J. B. Allred), 1 January 1982 through 31 December 1982. (Project 760592 - Continuation)

\$40,000.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Studies of the Distribution, Disposition and Metabolism of Antineoplastic Agents, College of Pharmacy (L. Malspeis), 1 February 1982 through 14 September 1982. (Project 761876 - Continuation)

April 2, 1982 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

\$40,000.00 - National Science Foundation, Washington, D. C., Molecular Beam Studies of Reaction of Laser-Excited Metal Atoms with Gases Using Spectroscopic Detection of Products, Department of Chemistry (J. M. Parson), 1 March 1982 through 28 February 1983. (Project 762056 - Continuation)

\$38,467.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Division of Research Resources, Bethesda, Maryland, Experimentally Induced Mucoïd Enteritis in Rabbits, Department of Veterinary Preventive Medicine (F. Toofanian), 1 March 1982 through 28 February 1983. (Project 762041 - Continuation)

\$33,023.00 - Department of Transportation, National Highway Traffic Safety Administration, Vehicle Research and Test Center, East Liberty, Ohio, Laboratory Reconstruction of Pedestrian Accidents, Department of Mechanical Engineering (D. A. Guenther), 1 January 1982 through 30 June 1982. (Project 762688 - Continuation)

\$31,817.00 - Department of Transportation, National Highway Traffic Safety Administration, Vehicle Research and Test Center, East Liberty, Ohio, Preliminary Development of a Pedestrian Dummy Thorax Simulator, Department of Mechanical Engineering (D. A. Guenther), 10 February 1982 through 30 September 1982. (Project 762594 - Continuation)

\$29,900.00 - Department of Commerce, National Oceanic and Atmospheric Administration, Office of Sea Grant, Rockville, Maryland, Ohio Sea Grant Internship, Center for Lake Erie Area Research (J. M. Reutter and C. E. Herdendorf), 1 February 1982 through 31 January 1983. (Project 762833 - Continuation)

\$24,000.00 - Department of the Air Force, Rome Air Development Center (AFSC), Griffiss AFB, New York, Advanced SATCOM ECCM Techniques, Department of Electrical Engineering, ElectroScience Laboratory (A. A. Ksienski), 4 February 1982 through 30 September 1982. (Project 762948 - Continuation)

\$22,781.00 - Environmental Protection Agency, Washington, D. C., The Role of Environmental Temperature in Carcinogenesis, Department of Physiology (H. S. Weiss), 14 April 1981 through 13 April 1982. (Project 762133 - Continuation)

\$20,180.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Eye Institute, Bethesda, Maryland, Strain Differences in Herpes Keratitis and Labialis, Department of Medicine (M. F. Para), 16 February 1982 through 15 February 1983. (Project 763003 - New)

April 2, 1982 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

\$19,973.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Develop a Communications Office and Cancer Information Services, Cancer Research Center (C. J. Cavalaris), 1 February 1982 through 31 March 1982. (Project 761352 - Continuation)

\$19,100.00 - National Science Foundation, Washington, D. C., Probability and Ergodic Theory, Department of Mathematics (L. Sucheston), 1 July 1982 through 30 June 1983. (Project 762313 - Continuation)

\$15,000.00 - Department of the Navy, Naval Research Laboratory, Washington, D. C., T-Matrix Analysis of Acoustic Wave Scattering by Finite Cylindrical Elastic Shells Immersed in Water, Department of Engineering Mechanics (V. K. Varadan and V. V. Varadan), 1 February 1982 through 30 April 1982. (Project 762839 - Continuation)

\$14,981.00 - Department of Transportation, National Highway Traffic Safety Administration, Vehicle Research and Test Center, East Liberty, Ohio, Simulation Studies of Apportionment of Braking Effort for the Development of Truck Braking Standards, Department of Mechanical Engineering (G. L. Kinzel and D. A. Guenther), 31 March 1982 through 30 June 1982. (Project 762085 - Continuation)

\$14,000.00 - National Science Foundation, Washington, D. C., Acquisition of a Zeiss Videoplan - Image Analysis System, Department of Botany (V. Raghavan, M. L. Evans, T. N. Taylor and R. Warmbrodt), 1 March 1982 through 28 February 1983. (Project 763004 - New)

\$12,714.00 - Department of Education, Office of Special Education, Washington, D. C., The Ohio State University Preservice Training Project for Special Education Personnel, Academic Faculty of Exceptional Children (P. Connard), 1 February 1982 through 31 May 1982. (Project 762853 - Continuation)

\$7,920.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Child Health and Human Development, Bethesda, Maryland, Comparative Studies in Perinatal Toxicology, Department of Veterinary Physiology and Pharmacology (R. A. Yeary), 1 December 1981 through 30 November 1982. (Project 762962 - Continuation)

\$5,929.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Heart, Lung and Blood Institute, Bethesda, Maryland, Subunit Studies of a Heart Respiratory Complex, Department of Physiological Chemistry (J. S. Rieske), 1 December 1981 through 30 November 1982. (Project 762285 - Continuation)

April 2, 1982 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

\$4,000.00 - National Aeronautics and Space Administration, Goddard Space Flight Center, Greenbelt, Maryland, Further Studies of the UV Spectra of Late-Type Stars, Department of Astronomy (R. F. Wing), 1 June 1982 through 31 May 1983. (Project 761634 - Continuation)

\$3,960.00 - National Aeronautics and Space Administration, Langley Research Center, Hampton, Virginia, Bellanca Skyrocket Natural Laminar Flow Flight Research, Department of Aeronautical and Astronautical Engineering (G. Gregorek) and Department of Aviation (G. S. Weislogel), 1 February 1982 through 31 March 1982. (Project 762359 - Continuation)

\$3,825.00 - Department of Education, Office of Special Education, Washington, D. C., Design for a Cooperative Program to Prepare Teachers of Visually Handicapped for the State of West Virginia, Academic Faculty of Exceptional Children (M. E. Ward), 2 February 1982 through 31 May 1982. (Project 762858 - Continuation)

\$3,070.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Allergy and Infectious Diseases, Bethesda, Maryland, Acanthamoeba Strain Comparisons: Mitochondrial DNA, Department of Microbiology (T. J. Byers), 1 December 1981 through 30 November 1982. (Project 762493 - Continuation)

TOTAL - FEDERAL RESEARCH CONTRACTS/GRANTS

\$7,814,598.00

State of Ohio Research Contracts/Grants

\$200,365.00 - State of Ohio, Department of Natural Resources, Office of Litter Control, Columbus, Ohio, Litter Control and Recycling Education Program, Cooperative Extension State Operations (J. D. Rohrer), 13 January 1982 through 31 December 1982. (Project 762995 - New)

\$156,221.00 - State of Ohio, The Public Utilities Commission, Columbus, Ohio, Telecommunications Technical Assistance, National Regulatory Research Institute (D. N. Jones and C. Mount-Campbell), 18 January 1982 through 31 January 1983. (Project 762985 - Continuation)

\$38,304.00 - State of Ohio, Department of Energy, Columbus, Ohio, Electric Load Management for Smaller Ohio Industries, Graduate School - Administration, Program for Energy Research, Education and Public Service, (R. E. Bailey), 9 February 1982 through 31 October 1982. (Project 762994 - New)

\$20,600.00 - State of Ohio, Department of Health, Columbus, Ohio, Comprehensive Adult Hemophilia Clinic, Department of Medicine (S. P. Balcerzak), 1 October 1981 through 30 June 1982. (Project 762760 - Continuation)

April 2, 1982 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

State of Ohio Research Contracts/Grants (contd)

\$12,000.00 - State of Ohio, Department of Health, Columbus, Ohio, Survey of Nursing Employment and Education, School of Allied Medical Professions (R. J. Caswell and S. Strasser), 1 January 1982 through 31 December 1982. (Project 763007 - New)

TOTAL - STATE OF OHIO RESEARCH CONTRACTS/GRANTS **\$427,490.00**

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

\$41,053.00 - University of Florida, Gainesville, Florida, Decomposition Pathways for Carbon Disulfide, Department of Chemistry (I. Shavitt), 1 January 1982 through 31 July 1982. (Project 762983 - New)

\$40,000.00 - Rockwell International, North American Aircraft Operations, Los Angeles, California, Radar Cross Section of Aircraft/Avionics Systems, Department of Electrical Engineering, ElectroScience Laboratory (L. Peters and W. D. Burnside), 25 January 1982 through 24 April 1982. (Project 762982 - Continuation)

\$31,670.00 - General Molecular Application, Inc., Columbus, Ohio, Strand Break Repair of DNA in Human Peripheral Lymphocytes, Department of Radiology (P. D. Lipetz and R. E. Stephens), 10 February 1982 through 10 June 1982. (Project 762992 - New)

\$30,554.00 - Materials Technology Institute, Columbus, Ohio, Development of Controlled Hydrodynamic Techniques for Corrosion Testing, Department of Metallurgical Engineering (D. D. Macdonald), 1 January 1982 through 31 December 1982. (Project 762062 - Continuation)

\$29,979.00 - Electric Power Research Institute, Palo Alto, California, An Advanced Prototype System for Locating and Mapping Underground Obstacles, Department of Electrical Engineering, ElectroScience Laboratory (R. Caldecott), 1 January 1982 through 31 March 1982. (Project 760604 - Continuation)

\$17,620.00 - Upper Arlington City School District, Upper Arlington, Ohio, Career Education Intern Project, Academic Faculty of Special Services, (J. J. Quaranta), 1 September 1981 through 30 June 1982. (Project 762990 - Continuation)

\$14,868.00 - Various Pharmaceutical Labs, Research in Clinical Pharmacology, Department of Pharmacology (J. R. Bianchine and P. B. Hollander), 1 December 1981 through 30 November 1982. (Project 762968 - Continuation)

April 2, 1982 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

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

\$10,000.00 - Central State University, Wilberforce, Ohio, Careers in Natural Resources for Urban Minorities, School of Natural Resources (J. D. Kasile), 1 October 1981 through 30 September 1983. (Project 762944 - New)

\$5,000.00 - National Training Fund for the Communications Industry, Washington, D. C., Technical Assistance to the National Training Fund for the Communications Industry, The National Center for Research in Vocational Education (R. E. Taylor), 1 January 1982 through 28 February 1983. (Project 768050 - New)

\$4,000.00 - Islamic Center for Technical and Vocational Training and Research, Dacca, Bangladesh, Islamic Center for Technical and Vocational Training and Research Proposal Development Grant, The National Center for Research in Vocational Education (R. E. Taylor), 15 January 1982 through 31 March 1982. (Project 762984 - New)

\$2,850.00 - National Alliance of Business, Columbus, Ohio, Career Guidance Institute, Academic Faculty of Special Services (J. J. Quaranta), 1 January 1982 through 31 March 1982. (Project 762991 - Continuation)

\$2,000.00 - UNESCO, Paris, France, Technical Assistance, The National Center for Research in Vocational Education (R. E. Taylor), 1 November 1981 through 15 March 1982. (Project 768037 - New)

\$1,500.00 - W. K. Kellogg Foundation, Battle Creek, Michigan, Kellogg National Fellowship Program, School of Architecture - Administration, City and Regional Planning (S. I. Gordon), 15 February 1982 through 31 August 1982. (Project 762906 - Continuation)

\$500.00 - Greater Columbus Arts Council, Columbus, Ohio, Humanities through the Arts in Columbus, Office of Academic Affairs, Continuing Education - Non-Credit Programs (J. H. Oshins), 1 August 1981 through 31 May 1982. (Project 762978 - New)

\$352.00 - La Secretaria del Trabajo y Prevision Social de los Estados Unidos Mexicanos through Unidad Coordinadora del Empleo Capacitacion y Adiestramiento (UCECA), Mexico City, D. F., Republic of Mexico, UCECA Planning Project, The National Center for Research in Vocational Education (R. E. Taylor), 15 September 1981 through 28 February 1982. (Project 762919 - Continuation)

\$238.42 - Utah Technical College, Provo, Utah, National Alliance of Postsecondary Education Institutions/Districts, The National Center for Research in Vocational Education (R. E. Taylor), 1 July 1981 through 31 December 1981. (Project 761599 - Continuation)

TOTAL - INDUSTRIAL, PRIVATE, AND
OTHER NON-FEDERAL CONTRACTS/GRANTS

\$232,184.42

April 2, 1982 meeting, Board of Trustees

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

ENGINEERING EXPERIMENT STATION

Industrial and Other Sponsored Research and Development

\$578,494.00 - 47 sponsors for 48 development projects under the direction of 9 engineering departments and research areas. February, 1982, support included \$520,000 from IBM, Data Processing Division, White Plains, New York, for "Development of Computer Graphics Systems"; \$248,500 of which will be directed by Associate Professor C. Yessios, Department of Architecture, and \$271,500 by Professor R. I. Hang, Department of Engineering Graphics, for the period January 25, 1982, through March 31, 1984.

OHIO AGRICULTURAL RESEARCH AND DEVELOPMENT CENTER

Government Contracts/Grants

\$45,552--Solar Energy Research Institute, Golden, Colorado, support of a study on analysis and investigation of brine and soil samples from Truscott Brine Lake site, Department of Agricultural Engineering, February 15 to June 30, 1982. (Sub-contract No. XP-2-02066-1)

\$22,000--Ohio Department of Agriculture, Columbus, Ohio, continued support of a survey on rural transportation in Ohio, Department of Agricultural Economics and Rural Sociology, to August 31, 1982.

\$14,097--U. S. Army Corps of Engineers, Tulsa, Oklahoma, support of a feasibility study of Truscott Brine Lake development, Department of Agricultural Engineering, February 19 to June 30, 1982. (Contract No. P. O.-DACW56-82-M-0296)

TOTAL - GOVERNMENT CONTRACTS/GRANTS **\$81,649.00**

Industrial and Other Contracts/Grants

\$19,992--NRTA-AARP Andrus Foundation, Washington, D. C., support of a study on crime, fear of crime and crime prevention; an analysis among the rural elderly, Department of Agricultural Economics and Rural Sociology, January 1 to December 31, 1982.

\$17,992--Society of American Florists Endowment, Edwardsville, Illinois, continued support of a study on pesticide application methods in relation to insect, mite, and disease control on greenhouse floral crops, Departments of Entomology and Plant Pathology, May 1, 1982 to April 30, 1983.

\$12,000--Society of American Florists Endowment, Edwardsville, Illinois, support of a study on the testing and establishment of chain of life criteria for commercial potted plants, Department of Horticulture, January 1 to December 31, 1982.

TOTAL - INDUSTRIAL AND OTHER CONTRACTS/GRANTS **\$49,984.00**

April 2, 1982 meeting, Board of Trustees

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

OHIO AGRICULTURAL RESEARCH AND DEVELOPMENT CENTER (contd)

Gifts of \$1,000 or More

\$7,200 from Dow Chemical Company, Midland, Michigan
2,905 from Voris Seeds, Inc., Windfall, Indiana
2,500 from Jacob Stern & Sons, Inc., Jenkintown, Pennsylvania
2,000 from National Soybean Processors Association, Washington, D. C.
1,680 from Ring Around Products, Inc., Montgomery, Alabama
1,600 from Ohio Florists Association, Columbus, Ohio
1,500 from Ohio Fruit Growers Society, Columbus, Ohio
1,500 from Pioneer Hi-Bred International, Inc., Tipton, Indiana
1,425 from Funk Seeds International, Bloomington, Illinois
1,425 from Rupp Seed Farm, Wauseon, Ohio
1,350 from Leader Seeds, Inc., Celina, Ohio
1,320 from Agrigenetics Corporation, Denver, Colorado
1,300 from Madison Seed Company, London, Ohio
1,275 from Bo-Jac Hybrid Corn Company, Mt. Pulaski, Illinois
1,275 from Northrup King Company, Des Moines, Iowa
1,275 from Ruff's Hybrids, Amanda, Ohio
1,200 from Dennis Hybrid Corporation, Windfall, Indiana
1,200 from RBA, Inc., Springfield, Illinois
1,125 from French's Hybrids, Inc., Wakeman, Ohio
1,125 from Knisely Hybrids Company, New Philadelphia, Ohio
1,125 from P-A-G Seeds, Minneapolis, Minnesota
1,050 from O's Gold Seed Company, Parkersburg, Iowa
1,050 from Robinson Hybrids, Inc., Delaware, Ohio
1,000 from U. S. Borax, Los Angeles, California

Gifts of Less Than \$1,000

33 - \$15,465

TOTAL GIFTS

\$55,870.00

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND

Gifts of \$5,000 or More

\$130,000.00 E. I. duPont de Nemours & Company, Wilmington, Delaware--
\$26,000.00 for Advanced Design Methods Lab--Mechanical Engineering; \$25,000.00 for DuPont Fund in Chemistry; \$14,000.00 for DuPont Fund in Research; \$12,500.00 for DuPont Fund in Health Grant; \$12,500.00 for DuPont Young Faculty Grants; \$12,000.00 for Affirmative Action Fund; \$12,000.00 for DuPont Fund in Chemical Engineering; \$6,000.00 for DuPont Fund in Electrical Engineering; \$6,000.00 for Professorship in Plant Protection; \$4,000.00 for DuPont Business Fund.

April 2, 1982 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

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

- \$ 38,008.30 Ohio Seed Improvement, Dublin, Ohio--\$37,908.30 for Special Gifts Fund; \$100.00 for Dale Ray Memorial Fund.
- \$ 35,000.00 Bremer Foundation, Youngstown, Ohio, for Bremer Foundation Fund.
- \$ 30,646.80 Systems Associates, Columbus, Ohio, for Cardiology Support Fund.
- \$ 30,128.40 Rocco Antenucci, North Canton, Ohio--\$15,064.20 for College of Medicine Progress Fund; \$15,064.20 for undesignated purposes.
- \$ 29,333.30 University Eye Surgeons, Columbus, Ohio, for Eye Bank Fund.
- \$ 27,278.75 Owens Illinois, Toledo, Ohio--\$25,863.75 for Owens Illinois Professorship; \$1,000.00 for Presidents Club Special Fund; \$125.00 for College of Engineering Special Fund; \$100.00 for College of Law Advancement Fund; \$100.00 for Staiger Men's Glee Club; \$50.00 for Friends of WOSU; \$40.00 for undesignated purposes.
- \$ 19,350.00 Anna Roessler, Columbus, Ohio, for Roessler Memorial Medical Scholarship Fund.
- \$ 18,982.18 Retinal Consultants, Columbus, Ohio, for Retina Research Fund.
- \$ 16,500.00 Uniroyal Chemical Company, Naugatuck, Connecticut--\$15,000.00 for Professorship in Plant Protection; \$1,500.00 for S. A. Brooks Scholarship.
- \$ 14,704.74 Carl Baldwin, Columbus, Ohio--\$11,305.67 for C. & G. Baldwin Fund; \$3,399.07 for Eye Care.
- \$ 14,083.13 Carlos Liggett, Dayton, Ohio, for undesignated purposes.
- \$ 13,000.00 Eli Lilly and Company, Indianapolis, Indiana--\$10,000.00 for Cardiovascular Research Fund; \$3,000.00 for Anesthesia Research Fund.
- \$ 11,500.00 Adria Laboratories, Columbus, Ohio--\$5,000.00 for Ohio Cancer Information Center; \$3,500.00 for Pharmacy Administration Research/Educational Fund; \$3,000.00 for Endowed Chair in Veterinary Toxicology.

April 2, 1982 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

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

- S 10,195.00 Eastman Kodak Company, Rochester, New York--\$8,395.00 for Kodak Scholarships in Engineering; \$750.00 for Electrical Engineering Special Fund; \$450.00 for Chemical Engineering Support Fund; \$300.00 for ISE Advancement Fund; \$150.00 for I. G. Brenner Fund; \$150.00 for Computer Information Science Discretionary Fund.

- S 10,000.00 Dow Chemical USA, Midland, Michigan--\$6,000.00 for Dow Research Fellowship Fund; \$2,000.00 for Minority Assistance Fund; \$2,000.00 for Student Grant-in-Aid.

- S 10,000.00 Shafer Foundation, Columbus, Ohio, for Friends of WOSU.

- S 9,950.00 Grace Washburn, Bucyrus, Ohio, for Grace High Washburn Trust Scholarship Fund.

- S 6,500.00 Templeton Medical Research, Cleveland, Ohio, for A. M. and H. R. Templeton Research Fund.

- S 6,450.00 Procter and Gamble, Cincinnati, Ohio--\$4,000.00 for Procter and Gamble Biological Science Fellowship; \$2,000.00 for Special Procedures Room; \$450.00 for Chemical Research--Dr. Devon Meek.

- S 5,416.00 Marathon Oil Foundation, Findlay, Ohio--\$2,666.00 for Presidents Club Special Fund; \$1,000.00 for Marketing Support Fund; \$700.00 for Mars G. Fontana Endowment Fund; \$350.00 for Administrative Science Fund; \$350.00 for Student Athlete Grant-in-Aid Fund; \$200.00 for College of Law Advancement Fund; \$150.00 for undesignated purposes.

- S 5,075.19 Ohio Turfgrass Foundation, Columbus, Ohio--\$2,575.19 for GCSAA Research Fund; \$2,500.00 for Turfgrass Research Fund.

- S 5,050.00 Wayne County National Bank, Wooster, Ohio--\$5,000.00 for Kottman Scholarship; \$50.00 for Ohio 4-H Foundation Support Fund.

Gift-in-Kind

- S 10,925.00 Mr. and Mrs. Charles Hoff Prints and manuscripts

April 2, 1982 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

Establishment of Named Funds

The Alec Parsons Scholarship in the College of Engineering

The Alec Parsons Scholarship in the College of Engineering was established April 2, 1982, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from his parents, Dr. and Mrs. George Parsons, his sister, Heather and friends.

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

The income is to be used to establish a scholarship in the College of Engineering. The recipient should be a male Ohio resident who has been admitted to a branch of The Ohio State University College of Engineering. Preference would be to someone who shows financial need and demonstrated interest in human relations and potential service to others. This scholarship is limited to undergraduate students and the support would remain in effect through the recipients undergraduate years as long as all academic qualifications were maintained.

Should the need for this fund cease to exist or so diminish as to provide unused income, the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate administrative official of the College of Engineering.

The Rudolf Kaelbling Memorial Research Fund in Psychiatry

The Rudolf Kaelbling Memorial Research Fund in Psychiatry was established April 2, 1982, by the Board of Trustees of The Ohio State University with a gift to The Ohio State University Development Fund from Marianne Kaelbling in memory of her husband, Rudolf Kaelbling, M.D., M.S. '59, originator of the OSU Sleep Research Laboratory and Professor of Psychiatry at The Ohio State University, until his death, December 15, 1976.

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

The annual income is to be used to provide a stipend for one (or more) medical students each year (no one student to receive more than two stipends) to conduct a research project in the Department of Psychiatry. During the initial six years, preference shall be given, but not necessarily limited to, students wishing to do research on the topics of sleep and sleep disorders. In the absence of any suitable candidates for the stipend from among medical students, consideration can also be given to a resident or a student from a related discipline.

April 2, 1982 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

Establishment of Named Funds (contd)

The Rudolf Kaelbling Memorial Research Fund in Psychiatry (contd)

The size of the stipend shall be at least 90 percent of the annual income. Any remainder shall be added to the principal. The selection of the recipient is to be made upon the recommendation of the Director of Sleep Disorders Clinic, in cooperation with the Chairman of the Department of Psychiatry and the Dean of the College of Medicine.

Should the need for funds for this purpose cease to exist or so diminish as to provide unused income, then the Chairman of the Department of Psychiatry, in cooperation with the Dean of the College of Medicine, shall have the right to designate an alternate use of the income that will be of benefit to the Department of Psychiatry.

Endowed Program Fund in Cooperative Business Management

The Endowed Program Fund in Cooperative Business Management was established April 2, 1982, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from the Ohio Council of Farmer Cooperatives, its members, and friends of cooperatives throughout the State of Ohio and nationally.

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

The annual income is to be used to provide program support for the work of a distinguished scholar in the field of cooperative education and business management. Funds will be allocated by the chairperson of the Department of Agricultural Economics and Rural Sociology based upon recommendations of those within the department and the Cooperative Extension Service responsible for the program and an advisory committee comprised of members of the Ohio Council of Farmer Cooperatives Executive Committee. Until this fund reaches \$250,000 or three years have elapsed from the date the endowment is established, whichever occurs first, seventy-five percent of the interest earnings will be added to the principal. During this same period twenty-five percent may be used for program support.

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

The John T. Mount Fund for Post-Baccalaureate Study

The John T. Mount Fund for Post-Baccalaureate Study was established April 2, 1982, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University

April 2, 1982 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

Establishment of Named Funds (contd)

The John T. Mount Fund for Post-Baccalaureate Study (contd)

Development Fund from John T. Eby, B.Sc.Bus.Adm. '62, and other friends of Vice President and Dean John T. Mount, B.S.Agr. '41.

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

The annual income is to be used to:

1. Identify undergraduate students who may be strong candidates for post-baccalaureate scholarships;
2. Alert these students to the opportunities provided by such scholarships;
3. Encourage qualified students in their pursuit of these awards;
4. Assist potential candidates to be successful recipients of available scholarships.

This fund shall be administered by the principal administrative officer of the Office of Academic Affairs.

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

The Buford M. and May Scott Teater Scholarship Fund

The Buford M. and May Scott Teater Scholarship Fund was established April 2, 1982, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from Robert W. Teater, M.S. '55, Ph.D. '57, family and friends in honor of Dr. Teater's parents, Buford M. and May Scott Teater.

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

The annual income is to be used to provide scholarship assistance for one or more undergraduate students enrolled in the School of Natural Resources. Selection of the recipient(s)

April 2, 1982 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

Establishment of Named Funds (contd)

The Buford M. and May Scott Teater Scholarship Fund (contd)

is to be made by the University Scholarship Committee upon the recommendation of the School of Natural Resources Scholarship Committee. Recipients will be selected on the basis of financial need, academic achievements and leadership potential. Should the need for student scholarship assistance in the School of Natural Resources cease to exist, the income from this fund may be used for any academic purpose as determined by the Director of the School of Natural Resources.

Should the School of Natural Resources cease to exist through any reorganization of the University, then the income may be used by the Board of Trustees with preference being given to the recommendations of the appropriate administrative official of the University who is then directly responsible for natural resource education.

Change in Name and Description of Named Fund

From: The Donald E. Demkee Dental Scholarship Fund
To: The Dr. Donald E. Demkee Wayne-Holmes County Scholarship Fund

This Fund was established April 2, 1976, by the Board of Trustees of The Ohio State University with a gift to The Ohio State University Development Fund from Dr. Donald E. Demkee, D.D.S. '65, Wooster, Ohio.

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

The annual income is to be used to provide scholarships to undergraduate students who are residents of Wayne County or Holmes County. Financial need may or may not be a consideration. Recommendations for students who qualify should be forwarded to the University Scholarship Committee for final selection in conjunction with the Dean of the intended recipient's chosen College.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees, with preference being given to recommendations from the appropriate official on the University Scholarship Committee.

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April 2, 1982 meeting, Board of Trustees

DEMOLITION OF BUILDING - 930 KINNEAR ROAD

Resolution No. 82-93

Synopsis: Demolition of Building No. 3 at 930 Kinnear Road, Columbus, Ohio, is proposed.

WHEREAS the Board of Trustees of The Ohio State University owns 3.295 acres at 930 Kinnear Road (consisting of three commercial-use buildings and parking facilities) and authorized lease of this property to Warner Cable Corporation on July 22, 1977 (for Buildings No. 1 and 3), and November 30, 1979 (for Building No. 2), with the leases to expire on June 14, 1982, and each lease providing for two five-year renewal options; and

WHEREAS Building No. 3 has deteriorated beyond economical repair and the demolition of this building has been recommended by the appropriate University Offices; and

WHEREAS in negotiating the five-year renewal under the option in the original leases, Warner Amex Communications, Inc. (the successor Lessee to Warner Cable Corporation), has agreed to demolish Building No. 3 and install a gasoline storage tank under the site and improve parking facilities on the site, all to be accomplished at the Lessee's sole cost and expense and subject to University approval of plans and specifications:

NOW THEREFORE

BE IT RESOLVED, That the demolition of Building No. 3 at 930 Kinnear Road as proposed above be approved.

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

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EASEMENT - COLUMBUS AND SOUTHERN OHIO ELECTRIC COMPANY

Resolution No. 82-94

Synopsis: Renewal of electric power line easement at Don Scott Field is proposed.

WHEREAS in 1967 the University granted to the Columbus and Southern Ohio Electric Company a ten-foot wide easement for electric power lines to serve University buildings at Don Scott Field; and

WHEREAS this easement will expire on June 6, 1982, and the University has received a request from the Columbus and Southern Ohio Electric Company to renew the easement for a period of fifteen years upon the same terms and conditions as the original term; and

WHEREAS the power lines for which the easement is requested serve only University facilities; and

April 2, 1982 meeting, Board of Trustees

EASEMENT - COLUMBUS AND SOUTHERN OHIO ELECTRIC COMPANY (contd)

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

NOW THEREFORE

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

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

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PURCHASE OF PROPERTY

Resolution No. 82-95

Synopsis: Request for authorization to purchase residential property.

WHEREAS the Margaret E. (Runnels) Krauss real property consisting of approximately .219 acres, improved with a two-story dwelling with a one-story addition and a one-car garage, located in Wooster Township, Wayne County, and described as the east 70 feet of Lots 1440, 1441, and 1442, is being offered for sale; and

WHEREAS this property is immediately adjacent to and surrounded on all sides by OARDC property; and

WHEREAS the OARDC desires to have this property purchased by OSU for use as graduate student housing, and to eliminate the nuisance of private ownership; and

WHEREAS this property and improvements have been appraised, according to Department of Administrative Services, Bureau of Real Estate recommendations, and these appraisals are \$43,000, \$49,000 and \$59,000; and

WHEREAS the Director of OARDC and the owner have negotiated a purchase price of \$52,000 contingent upon Board of Trustees approval:

NOW THEREFORE

BE IT RESOLVED, That the Board of Trustees authorize the purchase of the above-described real property for fifty-two thousand dollars (\$52,000), and authorize the Director, OARDC, to formalize the transfer with appropriate State agencies.

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

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April 2, 1982 meeting, Board of Trustees

Mr. Devenow presented the following resolution:

DISTINGUISHED SERVICE AWARD AND NAMING OF STREET

Resolution No. 82-96

Synopsis: It is proposed that the Distinguished Service Award be presented to Wayne Woodrow "Woody" Hayes and that Stadium Drive be renamed Woody Hayes Drive.

WHEREAS the public record reflects that Wayne Woodrow "Woody" Hayes served as head football coach at The Ohio State University for twenty-eight years; and

WHEREAS during this time Coach Hayes established himself as one of the truly great college football coaches, providing leadership for the Ohio State football program in achieving a degree of excellence--205 wins, 65 losses and 10 ties--unmatched in the University's illustrious athletic history; and

WHEREAS Coach Hayes' dedication to excellence in the classroom and the well-being of those associated with him--his athletes, coaches, fans and other friends--has been amply chronicled; and

WHEREAS his involvement in the life of the University, its people and institutional processes has been extraordinary; and

WHEREAS his outstanding contributions to public service are evidenced by his deep involvement with the less fortunate and by his active participation and support of organizations committed to the betterment of mankind; and

WHEREAS his overall meritorious service, loyalty and dedication to the University attest to the many noble contributions of Coach Hayes:

NOW THEREFORE

BE IT RESOLVED, That in recognition and appreciation of Coach Hayes' exemplary service, the University will award him the Distinguished Service Medal at a time convenient to the recipient and the University, in accordance with action taken by the Board of Trustees in 1952; and

BE IT FURTHER RESOLVED, That in order to establish a living memorial which recognizes Mr. Hayes' significant role in the history of the University, the street located north of Ohio Stadium and south of St. John Arena and which runs from Neil Avenue to Kenny Road be renamed Woody Hayes Drive.

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

April 2, 1982 meeting, Board of Trustees

President Jennings responded to the adoption of the foregoing resolution as follows:

Mr. Chairman, if I might say that while I do not vote on that I would just like to express my support to this Board for honoring Coach Hayes. I have been in Big 10 institutions now almost 17 years; 16 of those years I had not exactly been a fan of Ohio State's. One of the things that, around the Big 10, was always clear--one of the reasons Ohio State wasn't all that well liked around the Big 10--was because Coach Hayes not only was an outstanding football coach, but Coach Hayes was one of the early coaches who insisted that the youngsters were first of all students and scholars, and secondly, football players. He had a deep and important commitment to the academic excellence of this institution and the young people that he had the privilege to tutor. He had a few of them, he didn't stock his teams, and he went overboard in staying within the NCAA rules. It was the cleanest program around the Big 10, around the nation. All the talk now you hear from football, basketball coaches about academic excellence, about how these are students, if you'll look back in history, all of us, you'll find that those words were being uttered by Coach Hayes in the early 1950's, and they are almost all duplicates of what Coach Hayes began. Stories are legend about the students that graduated to become physicians, lawyers, leaders, politicians, from the Ohio State football team, and that's largely to the credit of Coach Hayes. He really does mean it when he means that students are students first and athletes second, and the most important part of football coaching is getting them graduated and getting them on to successful years and not winning football games. He happened to do both, but he is rare in that context and I thank this Board for recognizing his contributions.

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REPORT - UNIVERSITY'S INVESTMENT PORTFOLIO

Resolution No. 82-97

RESOLVED, That the report on the University's Investment Portfolio, dated March 19, 1982, as submitted to the Fiscal Affairs Committee of the Board of Trustees, be received and filed with the official records of the Board.

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Thereupon the Board adjourned to meet Friday, May 7, 1982, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, at 1:30 p.m.

Attest:

Madison H. Scott
Secretary

Chester Devenow
Chairman

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

Columbus, Ohio, May 7, 1982

The Board of Trustees met at its regular monthly meeting on Friday, May 7, 1982, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, pursuant to adjournment.

Present: Chester Devenow, Chairman, Warren J Smith, John D. Jacob, D. James Hilliker, Edmund C. Redman, Leonard J. Immke, and John W. Berry.

* * *

Minutes of the last meeting were approved.

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May 7, 1982 meeting, Board of Trustees

The Chairman, Mr. Devenow, called the meeting of the Board of Trustees to order at 11:45 a.m. He requested the Secretary to call the roll. The meeting recessed into Executive Session for the purpose of considering legal issues and personnel-related matters.

Present: Chester Devenow, Chairman, Warren J Smith, John D. Jacob, D. James Hilliker, Edmund C. Redman, Leonard J. Immke, and John W. Berry.

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

**ELECTION OF OFFICERS
BOARD OF TRUSTEES**

Resolution No. 82-98

Mr. Hilliker presented the following slate of officers:

WHEREAS pursuant to paragraph (B) of rule 3335-1-02 of the Administrative Code, the officers of the Board are to be elected at the May meeting to take office immediately following adjournment of the meeting (May 7, 1982) and shall hold their office through the May 1983 meeting:

NOW THEREFORE

BE IT RESOLVED, That the following slate of officers for 1982-83 be elected:

Warren J Smith, Chairman

John D. Jacob, Vice Chairman

Madison H. Scott, Secretary

James L. Nichols, Treasurer

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

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RESOLUTIONS IN MEMORIAM

Resolution No. 82-99

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

May 7, 1982 meeting, Board of Trustees

RESOLUTIONS IN MEMORIAM (contd)

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

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

Martha Brian

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on March 25, 1982, of Ms. Martha Brian, Associate Professor, School of Journalism, College of Social and Behavioral Sciences.

Martha Brian was born in Cincinnati, Ohio, on September 28, 1930. She earned an Associate of Arts degree from Stephens College, Columbia, Missouri, in 1950 and a Bachelor of Journalism degree from the University of Missouri in 1952. She completed a Master of Arts degree in Journalism at The Ohio State University in 1970.

Ms. Brian became a general assignment reporter for the Bristol, Virginia, *Virginia-Tennessean* in 1952. In 1954 she took a position as continuity director for WLW-C television, Columbus, and in 1955 moved to the *Columbus Dispatch* where she worked for 12 years as reporter covering social welfare, the juvenile court and general assignments as well as writing for the *Sunday Magazine*. During this period in her professional life, Ms. Brian won many awards, including prizes in the writing contests of the Ohio Newspaper Women's Association, the Associated Press Editors Association, the Ohio United Press International and the Press Club of Ohio. These honors as a professional journalist were climaxed when she was nominated for a Pulitzer Prize in 1960.

During her tenure at Ohio State, where she was appointed to the faculty of the School of Journalism in 1967, Ms. Brian moved up from the rank of Instructor to that of Associate Professor. She was active in the University community as well as in her profession, serving as a member of the OSU Athletic Council and as an adviser to the student chapter of the Society of Professional Journalists/Sigma Delta Chi and for seven years served as chapter Adviser to Women in Communications, Inc. She was several times a finalist for distinguished teaching awards at the University, and was the first woman faculty member of Ohio Staters, Inc., a student/faculty service organization.

While she taught reporting and writing to Ohio State Journalism students, she continued to write, with articles appearing frequently in the *Columbus Monthly Magazine*.

On behalf of the University community, the Board of Trustees expresses to the family its deepest sympathy. It was directed that this resolution be inscribed in the minutes of the Board of Trustees and that a copy be tendered to the family as a sincere expression of the Board's realization of the loss which the family and The Ohio State University have sustained.

May 7, 1982 meeting, Board of Trustees

RESOLUTIONS IN MEMORIAM (contd)

Viola Marie Cassidy

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on April 16, 1982, of Viola Marie Cassidy, Professor Emeritus in the Department of Psychology.

Dr. Viola Cassidy began her career in education in 1926 as an elementary school teacher in the Cleveland Public Schools. She received her Bachelor of Arts degree from Western Reserve in 1929 and her Master of Arts degree from Columbia University in 1936.

She taught at Western Michigan University and at Eastern Washington College of Education before returning to Ohio where she received her Doctor of Philosophy degree in Psychology from The Ohio State University in 1948. That same year she took a position as Associate Professor of Psychology at Ohio State.

Dr. Cassidy's primary interests were in school psychology, human growth and development, and the education of exceptional children. She served a term as President of the Ohio Chapter of the National Council for Exceptional Children and she was, until her retirement in 1971, head of the Program for Exceptional Children at this University. She authored numerous professional papers, including a highly influential treatise dealing with the efficacy of special education classes.

Dr. Cassidy's work has been a great credit to the University from which she received her doctorate and at which she taught for so many years. She befriended many of her students and will be long remembered by both the undergraduate and graduate students who took classes and seminars with her and took their degrees under her direction. She will also be remembered with respect and admiration by her faculty colleagues, both in the College of Education and the Department of Psychology.

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

Elizabeth Minter Moore

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on April 1, 1982, of Elizabeth Minter Moore, Assistant Professor Emeritus in the Department of Home Management and Housing in the School of Home Economics.

Mrs. Moore was born in Wilksburg, Pennsylvania, on August 8, 1896. She received the Bachelor of Science degree from Muskingum College in 1924 and the Master of Science degree from The Ohio State University in 1933.

Mrs. Moore taught high school home economics and English at Youngstown Public Schools from 1918-19; home economics and biology in the Frazeyburg Public School from 1924-26, and was an Instructor of home economics at Muskingum College in the Summer of 1925.

May 7, 1982 meeting, Board of Trustees

RESOLUTIONS IN MEMORIAM (contd)

Elizabeth Minter Moore (contd)

She came to Ohio State as a graduate assistant in 1929-33. She was appointed an Instructor in September, 1933 until she resigned in June, 1942. She later returned to teaching at Ohio State as an Assistant Professor, October 1945 and remained until her retirement in March, 1964. She was considered an inspiring teacher.

Mrs. Moore held honorary memberships in Phi Upsilon Omicron, Omicron Nu, and Pi Lambda Theta. Membership in professional societies included Ohio Education Association, Ohio Home Economics Association, American Home Economics Association, American Vocational Association, and Ohio Vocational Association. She also served on various school committees and held office in state associations.

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

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DEGREES AND CERTIFICATES - SPRING QUARTER COMMENCEMENT

Resolution No. 82-100

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

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

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

NOW THEREFORE

BE IT RESOLVED, That the degrees and certificates be conferred on June 11, 1982, to those persons who have completed the requirements for their respective degrees and certificates and are recommended by the colleges and schools and that the names of those persons awarded degrees and certificates be included in the minutes of this meeting.

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

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May 7, 1982 meeting, Board of Trustees

President Jennings made the following statement:

I am recommending on the next item that the Office of Public Affairs and the Office of University Development be combined into one position as a Vice President for University Communications and Development. That Vice Presidency would have responsibility for the current Public Affairs Office, the current University Development Fund as well as to provide us some managerial transition as to how we will handle WOSU and the Fawcett Center when Vice President Schoen retires in August of 1983. I am recommending that Mr. Burnham, who is currently the Dean of the College of Education, be appointed as Acting Vice President for University Communications and Development. We will develop shortly a search committee for that position. Dean Burnham will continue on as Dean of the College of Education, but Professor Russell Spillman, who is Associate Dean there, will be taking on most of Dean Burnham's duties as he assumes the duties of this new Vice Presidency.

I also ask that Vice President Crawford take on a special assignment for me to explore the possibilities of operating an office in Washington, D. C., because of the need, I believe, to establish better relations in Washington, not only with Congress but with the various agency heads. Some of the progress we have made on that already is what you heard earlier this morning--some of the report from Janet Martin about the Student Aid issue is that combined teamwork on this has been very helpful, and Ed has taken this on as a special project to explore this possibility.

We have also got that--Vice President Schoen, who announced her retirement at the April meeting, will take on the Acting Directorship of University Communications which will include Public Affairs, WOSU and the Fawcett Center. And I am recommending, Mr. Chairman, that the University Rules be changed to reflect that. And in the personnel section, those individuals are recommended for your approval - Mr. Burnham, Mr. Buxton, Mr. Crawford and Mrs. Schoen.

**RESTRUCTURING OF THE UNIVERSITY'S EXTERNAL RELATIONS OFFICES
AND AMENDMENTS TO BYLAWS OF THE BOARD OF TRUSTEES
AND RULES OF THE UNIVERSITY FACULTY**

Resolution No. 82-101

Synopsis: Restructuring of two administrative offices is being recommended and modification of bylaws and rules to effectuate that change are being proposed.

WHEREAS the President has announced his intention to restructure the University's external relations offices; and

WHEREAS it is recommended that the offices of the vice president for public affairs and the vice president for university development be combined into one position, vice president for university communications and development; and

May 7, 1982 meeting, Board of Trustees

**RESTRUCTURING OF THE UNIVERSITY'S EXTERNAL RELATIONS OFFICES
AND AMENDMENTS TO BYLAWS OF THE BOARD OF TRUSTEES
AND RULES OF THE UNIVERSITY FACULTY (contd)**

WHEREAS the vice president for university communications and development will be the executive head of the two offices; and

WHEREAS pursuant to rule 3335-1-09 of the Administrative Code and upon the recommendation of the President, the following rule changes are proposed:

3335-1-03 Administration of the university.

(E) The president's staff.

(1) The president's staff shall consist of the president, the provost, the vice president for business and administration, the vice president for student services, the vice president for health sciences, the vice president for regional campuses, the vice president for educational services, the vice president for public affairs, the vice president for personnel services, the vice president for finance and planning, the vice president for university development, the vice president for agricultural administration and executive dean for agriculture, home economics, and natural resources, the vice president for university communications and development, and special assistants.

(R) Vice president for university communications and development. The major area of responsibility and authority of the vice president for university communications and development shall be the administration of the university communications and university development activities of the university. Without limiting the generality of the foregoing, the vice president for university communications and development shall, under the direction of the president and with the approval of the board of trustees, be responsible and have the requisite authority for: public relations; coordination of university efforts relating to public information; and management and direction of fund raising, including individual, corporate and foundation giving.

3335-3-05 President's staff.*

(A) The president's staff shall consist of the president, the provost, the vice president for business and administration, the vice president for student services, the vice president for health sciences, the vice president for regional campuses, the vice president for educational services, the vice president for public affairs, the vice president for personnel services, the vice president for finance and planning, the vice president for university development, the vice president for agricultural administration and executive dean for agriculture, home economics, and natural resources, the vice president for university communications and development, and special assistants.

*Rule initiated by board of trustees.

May 7, 1982 meeting, Board of Trustees

**RESTRUCTURING OF THE UNIVERSITY'S EXTERNAL RELATIONS OFFICES
AND AMENDMENTS TO BYLAWS OF THE BOARD OF TRUSTEES
AND RULES OF THE UNIVERSITY FACULTY (contd)**

3335-3-153 Vice president for university communications and development.*

- (A) The vice president for university communications and development shall be the executive head of the office of university communications and development.
- (B) The major area of responsibility and authority of the vice president for university communications and development shall be the administration of the university communications and university development activities of the university. Without limiting the generality of the foregoing, the vice president for university communications and development shall, under the direction of the president and with the approval of the board of trustees, be responsible and have the requisite authority for: public relations; coordination of university efforts relating to public information; and management and direction of fund raising, including individual, corporate and foundation giving.
- (C) The principal administrative officials of the office of university communications and development shall be the director of university communications, the director of university development, and such other associates as may be authorized from time to time. (B/T 5/7/82)

*Rule initiated by board of trustees.

NOW THEREFORE

BE IT RESOLVED, That the foregoing changes in the bylaws and rules as they are printed herein be adopted.

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

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PERSONNEL ACTIONS

Resolution No. 82-102

Synopsis: In addition to the regular personnel actions taken since the last meeting, the following Appointments/Title Change, Reappointment of Chairmen of Departments and Directors of Schools, Leaves of Absence Without Salary, Professional Improvement Leave-Cancellation, Professional Improvement Leave-Date Change, and Emeritus Titles are recommended for approval.

RESOLVED, That the personnel actions as recorded in the Personnel Budget Records of the University since the April 2, 1982 meeting of the Board, including the following Appointments/Title Change, Reappointment of Chairmen of Departments and Directors of Schools, Leaves of Absence Without Salary, Professional Improvement Leave-Cancellation, Professional Improvement Leave-Date Change, and Emeritus Titles as detailed in the University Budget, be approved.

May 7, 1982 meeting, Board of Trustees

PERSONNEL ACTIONS (contd)

Appointments/Title Change

Name: ROBERT A. BURNHAM
Titles: Acting Vice President for University Communications and Development
Dean, College of Education
Professor, Academic Faculty of Educational Administration
Effective: Immediately
Salary: N/A
Present Position: Dean, College of Education, and Professor, Academic Faculty of Educational Administration

Name: RICHARD O. BUXTON
Title: *Director of University Development
Effective: Immediately
Salary: N/A
Present Position: Vice President for University Development, and Director of the Development Fund

Name: EDWIN M. CRAWFORD
Title: Vice President for Public Affairs
(On Special Assignment in Washington, D. C.)
Effective: Immediately
Salary: N/A
Present Position: Vice President for Public Affairs

Name: KATHRYN T. SCHOEN
Title: Vice President for Educational Services
Acting Director of University Communications (Special Assignment)
Effective: Immediately
Salary: N/A
Present Position: Vice President for Educational Services

Name: A. JOHN CHRISTOFORIDIS
Title: Professor and Chairman
Department: Radiology
Effective: August 1, 1982
Salary: \$55,080 (12 month)
Present Position: Professor and Chairman, Department of Radiology, Medical College of Ohio at Toledo

*Title Change.

Reappointment of Chairmen of Departments and Directors of Schools

July 1, 1982 through June 30, 1986

Anesthesiology
Home Management and Housing

John McDonald
Loren Geistfeld

May 7, 1982 meeting, Board of Trustees

PERSONNEL ACTIONS (contd)

Reappointment of Chairmen of Departments and Directors of Schools (contd)

July 1, 1982 through June 30, 1986 (contd)

Home Management and Nutrition	Barbara Newman
Medical Microbiology and Immunology	Ronald Glaser
Pediatrics	Grant Morrow III
Pharmacology	Joseph Bianchine
Preventive Medicine	Martin Keller

July 1, 1982 through June 30, 1985

Physiology	Heinz Pieper
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July 1, 1982 through June 30, 1984

Allied Medical Professions	Robert J. Atwell
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July 1, 1982 through June 30, 1983

Nursing	Edna Fritz
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October 1, 1982 through September 30, 1986

Psychology	Samuel H. Osipow
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Leaves of Absence Without Salary

GEORGE F. WADLINGTON, Professor, Cooperative Extension Service, effective April 1, 1982 through June 30, 1982, for medical reasons.

DAVID LYNN FORSTER, Associate Professor, Department of Agricultural Economics and Rural Sociology, effective April 1, 1982 through December 31, 1982, to work at the Forster Farms, Inc., in Indiana.

STANLEY E. GONTARSKI, Associate Professor, Department of English (Lima Campus), effective October 1, 1982 through June 30, 1983, to accept an appointment at the University of California - Riverside.

BERNARD ROSEN, Associate Professor, Department of Philosophy, effective October 1, 1982 through June 30, 1983, to accept a teaching appointment at the U. S. Air Force Academy in Colorado Springs, Colorado.

RONALD M. SOLOMON, Associate Professor, Department of Mathematics, effective April 1, 1982 through June 30, 1982, to accept a grant from the British Research Council to do research at Oxford University.

May 7, 1982 meeting, Board of Trustees

PERSONNEL ACTIONS (contd)

Leaves of Absence Without Salary (contd)

LAUREL FAY, Assistant Professor, School of Music, effective January 1, 1983 through June 30, 1983, to accept a teaching appointment at Wellesley College.

PAUL L. GERSTNER, Assistant Professor, Cooperative Extension Service, effective April 1, 1982 through June 30, 1982, for medical reasons.

MARIE-CLAIRE JULIENNE VALLOIS, Assistant Professor, Department of Romance Languages and Literatures, effective April 1, 1982 through June 30, 1982, to work on a monograph on the literature of 18th Century France.

ROBERT L. HORTON, Instructor, Cooperative Extension Service, effective September 16, 1981 through August 31, 1983, to pursue work on his Ph.D. degree.

Professional Improvement Leave - Cancellation

ROBERT T. ROSS, Professor, Department of Biochemistry, cancel leave approved for Autumn Quarter 1982, Winter Quarter 1983, Spring Quarter 1983 and Summer Quarter 1983.

Professional Improvement Leave - Date Change

JOSEPH J. PARNICKY, Professor, School of Social Work, change starting date from Autumn Quarter 1982 to Winter Quarter 1983.

Emeritus Titles

ALLAN C. BARNES, Department of Obstetrics and Gynecology, with the title Clinical Professor Emeritus, effective July 1, 1982.

S. P. BRUNY, Cooperative Extension Service, with the title Professor Emeritus, effective May 1, 1982.

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

President Jennings made the following announcement:

Mr. Chairman on personnel matters as well, we will ask for recommendations as of next Board meeting, but I would like to point out my intention now to combine the Office of Business and Administration and the Office of Finance and Planning into a single position as Vice President for Business and Finance. This is in line with my continued assessment of the University's organizational structure, and I will be recommending to you along this line that Mr. Richard Jackson be appointed as the new Vice President for Business and Finance.

May 7, 1982 meeting, Board of Trustees

PERSONNEL ACTIONS (contd)

President Jennings continued the following announcement:

In addition to that, I will also recommend that Mr. Weldon Ihrig be appointed to a newly created position as University Fiscal Officer who will report to Mr. Jackson on day-to-day matters but report directly to me in terms of advising on financial matters as we work through these very difficult things. In that context, Mr. Ihrig will be responsible for not only the duties he has now as Acting Vice President of Finance and Planning but will, in addition, take on the responsibility for the University Treasurer's Office.

Also associated with that, I will recommend that the Special Assistant to the President, Mrs. Judith Washburn, be appointed as Special Assistant to assist me in developing budget strategy and advising on financial matters, and in addition I will ask next time that Miss Sue Mayer be appointed permanently as Special Assistant to the President, and her responsibilities will be office management, special events and my speech writing activities in the institution.

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REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS

Resolution No. 82-103

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

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

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

NOW THEREFORE

BE IT RESOLVED, That the research agreements between The Ohio State University and The Ohio State University Research Foundation for the contracts and grants reported herein, and the acceptance of the reports from the Engineering Experiment Station, the Ohio Agricultural Research and Development Center, and The Ohio State University Development Fund during the month of March 1982 be approved.

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

May 7, 1982 meeting, Board of Trustees

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

SUMMARY FOR MARCH 1982

Source	No. of Projects	Support Level
The Ohio State University Research Foundation	95	\$3,855,953.93
Engineering Experiment Station	47	205,653.00
Ohio Agricultural Research and Development Center	9	223,633.00
		\$4,285,239.93

The Ohio State University Development Fund

Establishment of Named Funds

The John C. Geupel Chair Fund (Department of Civil Engineering)		\$198,528.00
Biological Environmental Research Fund (College of Biological Sciences)		\$ 26,000.00
The Sheldon B. Ackerman Endowment Fund (College of Administrative Science - Management)		\$ 6,860.00
The William J. Skou Faculty Enrichment Fund (Agricultural Technical Institute)		\$ 5,000.00
The William J. Skou Scholarship Fund (Agricultural Technical Institute)		\$ 5,000.00

Report from Presidents Club

Members to date	4,537
1982 members: year to date	39
New members - March 1982	15

New Presidents Club Members - March 1982

Joyce Abramowitz (Mrs. Irving)	F. Jerome Fix
Anonymous	John F. Foreman
Timir Banerjee	Larry C. Hansgen
Roy O. Becker	Josephine D. Ingraham
Susan C. Benes	(Mrs. Charles)
Bonnie W. Burks (Mrs. Paul E.)	Belle V. Joseph
Paul E. Burks	Albert J. Kolibash III
Joseph F. Cullman 3rd	Suzanne I. Seubert

May 7, 1982 meeting, Board of Trustees

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

THIRD QUARTER SUMMARY

January 1, 1982 through March 31, 1982

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION

Source	No. of Projects	Support Level
FEDERAL		
National Aeronautics and Space Administration	11	\$ 503,996.00
National Science Foundation	20	1,185,151.00
Department of Defense	19	1,752,687.00
Department of Energy	3	913,100.00
Department of Education	7	5,141,218.00
Department of Health and Human Services	47	2,697,512.00
Other Federal	14	273,411.00
TOTAL - FEDERAL	121	\$12,467,075.00
STATE OF OHIO	16	\$ 774,943.25
INDUSTRIAL, PRIVATE, AND OTHER NON-FEDERAL SPONSORS	74	\$ 2,340,200.10
GRAND TOTAL	211	\$15,582,218.35

ENGINEERING EXPERIMENT STATION

Source	No. of Projects	Support Level
INDUSTRIAL AND OTHER	125	\$ 1,165,716.00

May 7, 1982 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION

Federal Research Contracts/Grants

\$392,182.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Division of Research Resources, Bethesda, Maryland, General Clinical Research Center, College of Medicine - Administration (M. Tzournis) and Department of Medicine (W. B. Malarkey), 1 December 1981 through 30 November 1982. (Project 761196 - Continuation)

\$145,882.00 - National Science Foundation, Washington, D. C., Complex Animation and Complex Object Synthesis, Department of Art Education (C. A. Csuri), Department of Computer and Information Science (R. E. Parent) and Department of Electrical Engineering (K. W. Olson), 1 April 1982 through 31 March 1983. (Project 762077 - Continuation)

\$125,000.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, Research on Computer Database Systems, Department of Computer and Information Science (D. K. Hsiao), 1 December 1981 through 30 June 1982. (Project 760226 - Continuation)

\$109,960.00 - National Aeronautics and Space Administration, Lewis Research Center, Cleveland, Ohio, Effects of Ice Formation on 2-D Aerodynamic Shapes, Department of Aeronautical and Astronautical Engineering (G. M. Gregorek and M. B. Bragg), 1 April 1982 through 5 June 1983. (Project 762009 - Continuation)

\$106,900.00 - National Science Foundation, Washington, D. C., Basic Mechanisms of Sliding Friction and Wear, Department of Metallurgical Engineering (D. A. Rigney), 1 April 1982 through 31 March 1983. (Project 763031 - Continuation)

\$105,332.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Chemical Carcinogen Induced Neoplastic Transformation, Department of Physiological Chemistry (G. E. Milo), 1 January 1982 through 31 December 1982. (Project 761756 - Continuation)

\$104,863.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Heart, Lung and Blood Institute, Bethesda, Maryland, The Immune Complex Mediated Glomerulopathies, Department of Medicine (L. A. Hebert), 1 April 1982 through 31 March 1983. (Project 761786 - Continuation)

\$100,000.00 - Department of the Army, U. S. Army Research Office, Research Triangle Park, North Carolina, Studies on Syntheses and Derivatives of Boron Hydride Systems, Department of Chemistry (S. G. Shore), 1 April 1982 through 31 March 1983. (Project 763039 - Continuation)

May 7, 1982 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

\$100,000.00 - National Science Foundation, Washington, D. C., Liquid Helium at Low Temperatures, Department of Physics (D. O. Edwards), 1 April 1982 through 31 March 1983. (Project 761582 - Continuation)

\$99,173.00 - Department of the Air Force, Air Force Office of Scientific Research, Bolling Air Force Base, D. C., Optical Flow and Texture Variables Useful in Simulating Self Motion, Department of Psychology (D. H. Owen), 1 February 1982 through 31 January 1983. (Project 762550 - Continuation)

\$95,757.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Division of Research Resources, Bethesda, Maryland, Biomedical Research Support Grant, Graduate School Administration (J. B. Lapidus), 1 April 1982 through 31 March 1983. (Project 764748 - Continuation)

\$91,676.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, The Development and Evaluation of Point Defect Models for the Growth of Passive Films on Single Crystal, Polycrystalline, and Amorphous Metal Surface, Department of Metallurgical Engineering (D. D. Macdonald), 1 March 1982 through 28 February 1983. (Project 763048 - New)

\$84,400.00 - National Science Foundation, Washington, D. C., Ductile Fracture and Hydrogen Embrittlement, Department of Metallurgical Engineering (J. P. Hirth), 1 April 1982 through 31 March 1983. (Project 761528 - Continuation)

\$79,663.00 - Department of Health and Human Services, Office of Human Development Services, Administration for Children, Youth and Families, Washington, D. C., Identification, Management, and Prevention of Child Abuse and Neglect, College of Social Work (N. J. Rindfleisch), 1 February 1982 through 31 January 1983. (Project 762019 - Continuation)

\$74,135.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Neurological and Communicative Disorders and Stroke, Bethesda, Maryland, Vestibular Control of Posture, Department of Otolaryngology (C. W. Stockwell), 1 April 1982 through 31 March 1983. (Project 760820 - Continuation)

\$63,673.00 - Department of Health and Human Services, Public Health Service, Alcohol, Drug Abuse and Mental Health Administration, National Institute on Drug Abuse, Rockville, Maryland, Amphetamine: Effects on Muscle Contraction and Endurance, College of Pharmacy (M. C. Gerald), 1 February 1982 through 31 January 1983. (Project 764488 - Continuation)

May 7, 1982 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

\$63,350.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Allergy and Infectious Diseases, Bethesda, Maryland, Identification of Essential Genes for HSV DNA Synthesis, Department of Microbiology and Immunology (D. S. Parris), 1 March 1982 through 28 February 1983. (Project 762587 - Continuation)

\$61,599.00 - National Aeronautics and Space Administration, Lewis Research Center, Cleveland, Ohio, Vibration Analysis of Turbine Engine Blades, Department of Engineering Mechanics (A. W. Leissa), 30 April 1982 through 30 April 1983. (Project 762029 - Continuation)

\$59,951.00 - Department of the Navy, Office of Naval Research, Arlington, Virginia, Separated Flows, Department of Aeronautical and Astronautical Engineering (O. R. Burggraf), 1 April 1982 through 31 December 1982. (Project 760325 - Continuation)

\$58,081.00 - Department of Education, National Institute of Education, Washington, D. C., Calculator Information Center, Academic Faculty of Science and Mathematics Education (M. N. Suydam), 18 March 1982 through 17 March 1983. (Project 762053 - Continuation)

\$57,620.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Neurological and Communicative Disorders and Stroke, Bethesda, Maryland, Analysis of Local Circuitry in the Inferior Olive, Department of Anatomy (G. A. Bishop), 1 February 1982 through 31 January 1983. (Project 763013 - New)

\$52,048.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Allergy and Infectious Diseases, Bethesda, Maryland, Immunologic Aspects of Legionellosis, Department of Medicine (J. F. Plouffe), 1 February 1982 through 31 January 1983. (Project 762577 - Continuation)

\$51,435.00 - Department of the Air Force, Air Force Office of Scientific Research, Bolling Air Force Base, D. C., Transition from Deflagration to Detonation and Effect of Heat and Mass Addition to Established Steady Flows of Air, Department of Aeronautical and Astronautical Engineering (R. Edse), 1 May 1982 through 30 April 1983. (Project 761050 - Continuation)

\$49,991.00 - National Aeronautics and Space Administration, Lewis Research Center, Cleveland, Ohio, Propellor/Rotor Icing Study, Department of Aeronautical and Astronautical Engineering (D. J. Lee), 1 April 1982 through 31 March 1983. (Project 762399 - Continuation)

May 7, 1982 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

\$47,600.00 - National Science Foundation, Washington, D. C., Investigation of Oxygen and Alkali Diffusion in Feldspar, Department of Geology and Mineralogy, (K. A. Foland), 1 February 1982 through 31 January 1983. (Project 762357 - Continuation)

\$47,310.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Division of Research Resources, Bethesda, Maryland, Biomedical Research Support Grant, College of Pharmacy (A. H. Soloway), 1 April 1982 through 31 March 1983. (Project 760661 - Continuation)

\$44,259.00 - Department of the Army, Headquarters U. S. Army Communications-Electronics Command and Fort Monmouth, Fort Monmouth, New Jersey, Computer Communication Protocols for Advanced Communication Systems, Department of Computer and Information Science (M. T. Liu), 22 February 1982 through 22 June 1983. (Project 762718 - Continuation)

\$38,401.00 - Department of Transportation, National Highway Traffic Safety Administration, Vehicle Research and Test Center, East Liberty, Ohio, Measurement Methodology of Impact Devices, Department of Mechanical Engineering (R. P. Singh and N. Berme), 1 March 1982 through 27 February 1983. (Project 763036 - New)

\$31,883.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Eye Institute, Bethesda, Maryland, The Corneal Environment, College of Optometry (R. M. Hill), 1 April 1982 through 31 March 1983. (Project 761080 - Continuation)

\$24,050.00 - National Science Foundation, Washington, D. C., A Unified Treatment of Rank 2 Simple Groups (Mathematics), Department of Mathematics (R. M. Solomon), 1 July 1982 through 30 June 1984. (Project 763027 - New)

\$20,225.00 - Department of Transportation, National Highway Traffic Safety Administration, Vehicle Research Test Center, East Liberty, Ohio, Construction of Vehicle Tracking-Phase II, Department of Electrical Engineering, ElectroScience Laboratory (D. E. Svoboda), 1 January 1982 through 30 September 1982. (Project 763034 - New)

\$20,000.00 - Department of the Interior, Fish and Wildlife Service, Division of Contracting and General Services, Washington, D. C., Status and Population Dynamics of White Perch (*Morone Americana*) in Lake Erie (On Campus), Department of Zoology (T. J. Peterle, F. J. Margraf and R. F. Carline), 1 April 1981 through 1 April 1983. (Project 762625 - Continuation)

May 7, 1982 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

\$20,000.00 - National Aeronautics and Space Administration, Goddard Space Flight Center, Greenbelt, Maryland, Utilization of Range and Range-Difference Observations in Geodynamics, Department of Geodetic Science and Surveying (I. I. Mueller), 1 February 1982 through 18 September 1982. (Project 761882 - Continuation)

\$15,753.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Eye Institute, Bethesda, Maryland, The Transient Visual Evoked Response in Amblyopia, College of Optometry (G. W. Good), 16 February 1982 through 15 February 1983. (Project 763011 - New)

\$11,028.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Heart, Lung and Blood Institute, Bethesda, Maryland, Pathogenesis of Experimental Atherosclerosis, Department of Physiological Chemistry (D. G. Cornwell), 1 December 1981 through 30 November 1982. (Project 762525 - Continuation)

\$9,998.00 - Department of the Air Force, Air Force Office of Scientific Research, Bolling Air Force Base, D. C., Investigation of an Error Theory for Conjoint Measurement Methodology, Department of Psychology (T. E. Nygren), 1 April 1982 through 31 March 1983. (Project 763025 - New)

\$9,974.00 - Department of the Navy, Naval Research Laboratory, Underwater Sound Reference Detachment, Orlando, Florida, Scattering of Waves by Viscoelastic Composites and the Characterization of Their Dynamic Properties, Department of Engineering Mechanics (V. K. Varadan and V. V. Varadan), 8 March 1982 through 1 November 1982. (Project 763033 - New)

\$9,406.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Neurological and Communicative Disorders and Stroke, Bethesda, Maryland, Non-Nitrogen Containing Dopamine Agonists, College of Pharmacy (D. D. Miller and N. J. Uretsky), 1 March 1982 through 30 November 1982. (Project 762967 - Continuation)

\$8,774.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Arthritis, Diabetes, Digestive and Kidney Diseases, Bethesda, Maryland, Antivasular Endothelial Antibody in Transplantation, Department of Surgery (G. J. Cerilli), 1 December 1981 through 30 November 1982. (Project 763857 - Continuation)

\$7,560.00 - National Science Foundation, Washington, D. C., Structural and Temporal Patterns in Executive Politics, Department of Political Science (J. H. Kessel), 1 January 1983 through 30 June 1983. (Project 762546 - Continuation)

May 7, 1982 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

\$7,000.00 - National Aeronautics and Space Administration, Ames Research Center, Moffett Field, California, Unitary Group Methods in Quantum Chemistry, Department of Chemistry (I. Shavitt), 1 March 1982 through 31 July 1982. (Project 763023 - New)

\$6,500.00 - National Endowment for the Arts, Washington, D. C., Film and Video Exhibition in Columbus, Department of Photography and Cinema (J. R. Green), 1 January 1982 through 31 December 1982. (Project 763029 - Continuation)

\$4,265.00 - National Science Foundation, Washington, D. C., Doctoral Dissertation Research in Systematic Biology, Department of Botany (D. J. Crawford), 1 April 1982 through 31 March 1984. (Project 763017 - New)

\$4,240.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Neurological and Communicative Disorders and Stroke, Bethesda, Maryland, Control of Synaptogenesis in Cultures of the CNS, Department of Anatomy (R. W. Burry), 1 December 1981 through 30 November 1982. (Project 761963 - Continuation)

\$3,216.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Eye Institute, Bethesda, Maryland, The Color and Brightness Channels of the Visual System, Department of Sensory Biophysics (C. R. Ingling, Jr.), 30 September 1980 through 29 September 1981. (Project 761926 - Continuation)

\$3,000.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Division of Research Resources, Bethesda, Maryland, Minority High School Student Research Apprentice Program, Office of Minority Affairs (R. T. McDonald) and College of Pharmacy (A. H. Soloway), 1 March 1982 through 28 February 1983. (Project 762730 - Continuation)

\$3,000.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Division of Research Resources, Bethesda, Maryland, Minority High School Student Research Apprentice Program, Office of Minority Affairs (R. T. McDonald) and Graduate School Administration (J. B. LaPidus), 1 March 1982 through 28 February 1983. (Project 762731 - Continuation)

\$3,000.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Division of Research Resources, Bethesda, Maryland, Minority High School Student Research Apprentice Program, Office of Minority Affairs (R. T. McDonald) and College of Medicine - Administration (E. L. Craig), 1 March 1982 through 28 February 1983. (Project 762728 - Continuation)

May 7, 1982 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

\$3,000.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Division of Research Resources, Bethesda, Maryland, Minority High School Student Research Apprentice Program, Office of Minority Affairs (R. T. McDonald) and Department of Veterinary Physiology and Pharmacology (H. B. Williams), 1 March 1982 through 28 February 1983. (Project 762729 - Continuation)

\$2,932.00 - Department of Transportation, National Highway Traffic Safety Administration, Vehicle Research and Test Center, East Liberty, Ohio, Light Truck Side Structure Evaluation - Statistical Design and Analysis, Department of Statistics (J. S. Rustagi), 4 January 1982 through 30 December 1982. (Project 763012 - New)

\$2,721.00 - Department of Transportation, National Highway Traffic Safety Administration, Vehicle Research and Test Center, East Liberty, Ohio, On-Board Portable Data Acquisition and Processing for Vehicle Testing, Department of Electrical Engineering (H. Hemami), 1 October 1981 through 31 December 1981. (Project 761987 - Continuation)

\$1,306.00 - National Endowment for the Humanities, Washington, D. C., Divine Omniscience and Omnipotence in Medieval Jewish, Islamic and Christian Philosophy, Department of Philosophy (T. Rudavsky), 1 February 1982 through 30 June 1982. (Project 763032 - New)

\$1,143.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Neurological and Communicative Disorders and Stroke, Bethesda, Maryland, Otitis Media with Effusion, Department of Otolaryngology (D. J. Lim), 1 December 1981 through 31 August 1982. (Project 760043 - Continuation)

\$183.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Heart, Lung and Blood Institute, Bethesda, Maryland, Human Thrombin: Binding and Recognition Sites, Department of Chemistry (L. J. Berliner), 1 July 1981 through 30 June 1982. (Project 761742 - Continuation)

TOTAL - FEDERAL RESEARCH CONTRACTS/GRANTS **\$2,744,398.00**

State of Ohio Research Contracts/Grants

\$41,403.00 - State of Ohio, Department of Mental Retardation and Developmental Disabilities, Columbus, Ohio, Parent-Professional Interaction: A Key to Parental Involvement, College of Social Work (A. Riemenschneider), 1 December 1981 through 30 September 1982. (Project 762993 - New)

May 7, 1982 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

State of Ohio Research Contracts/Grants (contd)

\$30,000.00 - State of Ohio, Department of Energy, Columbus, Ohio, Lesson Plans on Energy Management in Agriculture for Teachers of Vocational Agriculture, Department of Agricultural Education (L. E. Hedges and L. E. Miller), 1 March 1982 through 28 February 1983. (Project 763021 - New)

\$10,832.00 - Ohio Arts Council, Columbus, Ohio, Public Film/Video Exhibition in Columbus 1981/1982, Department of Photography and Cinema (R. J. Green), 1 July 1981 through 30 June 1982. (Project 763016 - Continuation)

\$5,146.00 - State of Ohio, Department of Health, Columbus, Ohio, Family Planning Out-Patient Services, Department of Obstetrics and Gynecology (F. P. Zupan), 1 March 1982 through 31 March 1982. (Project 762533 - Continuation)

TOTAL - STATE OF OHIO RESEARCH CONTRACTS/GRANTS \$ 87,381.00

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

\$154,209.00 - Koppers Company, Inc., Monroeville, Pennsylvania, Study of Modified Electrodes for Electrosynthetic Purposes, Department of Chemistry (T. Kuwana), 1 June 1982 through 31 May 1984. (Project 762217 - Continuation)

\$75,040.00 - Various Pharmaceutical Labs, Research in Clinical Pharmacology, Department of Pharmacology (J. R. Bianchine and P. B. Hollander), 1 December 1981 through 30 November 1982. (Project 762968 - Continuation)

\$74,990.00 - Southwest Research Institute, San Antonio, Texas, Electromagnetic Reradiation Theoretical Prediction for Complex Building Structures, Department of Electrical Engineering, ElectroScience Laboratory (E. H. Newman), 27 February 1982 through 26 February 1983. (Project 763010 - New)

\$69,874.00 - New York State Department of Labor, New York State Occupational Information Coordinating Committee, Albany, New York, National Career Education Infusion Project: Integrating the Occupational Outlook Handbook into the General Education Curriculum, The National Center for Research in Vocational Education (R. E. Taylor), 1 November 1981 through 31 October 1982. (Project 763024 - New)

\$65,515.00 - Various Pharmaceutical Labs, Research in Infectious Diseases, Department of Medicine (R. L. Perkins, R. J. Fass and J. L. Plouffe), 1 March 1982 through 28 February 1983. (Project 763020 - New)

May 7, 1982 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

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

\$54,809.00 - National Joint Painting, Decorating and Drywall Apprenticeship and Training Committee, Washington, D. C., To Provide Services to the National Joint Painting, Decorating and Drywall Apprenticeship and Training Committee, The National Center for Research in Vocational Education (R. E. Taylor), 1 February 1982 through 31 July 1982. (Project 762988 - New)

\$50,000.00 - American Cancer Society, Ohio Division, Cleveland, Ohio, Application for a Grant to Help Create an American Cancer Society Professorship of Clinical Oncology, Department of Surgery (J. P. Minton), 1 July 1982 through 30 June 1984. (Project 761833 - Continuation)

\$44,662.00 - Michigan State University, East Lansing, Michigan, Neuro-oncogenesis by Resorptive Carcinogens, Department of Veterinary Pathobiology (K. Marushige), 1 October 1981 through 30 June 1982. (Project 763040 - New)

\$42,935.00 - International Training and Education Company, Framingham, Massachusetts, Development of "Clerk General Level I" Curriculum, The National Center for Research in Vocational Education (R. E. Taylor), 1 March 1982 through 30 August 1982. (Project 763014 - New)

\$39,899.00 - University of Minnesota, St. Paul, Minnesota, Schools and Adolescent Development, Department of Psychology (D. A. Blyth), 1 January 1982 through 31 December 1982. (Project 762683 - Continuation)

\$34,000.00 - University Genetics Co., Norwalk, Connecticut, Designed Novel Vectors, Department of Genetics (P. S. Perlman), 31 December 1981 through 31 December 1982. (Project 763018 - New)

\$26,000.00 - Commonwealth of Pennsylvania, Department of Education, Harrisburg, Pennsylvania, Consortium for the Development of Professional Materials for Vocational Education, The National Center for Research in Vocational Education (R. E. Taylor), 1 September 1981 through 31 August 1982. (Project 763035 - Continuation)

\$24,992.00 - Boeing Aerospace Company, Seattle, Washington, Radar Cross-Section (RCS) Controls, Department of Electrical Engineering, ElectroScience Laboratory (B. A. Munk), 22 March 1982 through 15 December 1982 (Project 763042 - New)

\$24,000.00 - City of Columbus, Division of Fire, Columbus, Ohio, City of Columbus Fire Project, College of Administrative Science, Continuing Education (J. J. Stanley), 1 October 1981 through 31 March 1982. (Project 762950 - Continuation)

May 7, 1982 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

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

\$23,750.00 - University of Dayton, Dayton, Ohio, Analyzation and Evaluation of the AN/GYK-31 System, Department of Computer and Information Science (T. Y. Feng), 20 January 1982 through 30 September 1982. (Project 763041 - New)

\$23,498.00 - New Mexico Institute of Mining and Technology, Socorro, New Mexico, A Proposed Subcontract for Research on the Volcanic and Climatic Record of Antarctic Ice Cores, Institute of Polar Studies (E. Mosley-Thompson and D. H. Elliot), 15 January 1982 through 30 June 1982. (Project 763009 - New)

\$22,000.00 - The Columbus Foundation, Columbus, Ohio, An Investigation of Non-Traditional Funding Sources, Telecommunications Center (D. K. Ouzts), 1 November 1981 through 31 October 1982. (Project 762997 - New)

\$19,646.00 - Illuminating Engineering Research Institute, New York, New York, Studies of Visual Performance and Illumination, Department of Microbiology (H. R. Blackwell), 1 July 1981 through 30 June 1982. (Project 760716 - Continuation)

\$19,235.00 - Ministry of Education, Government of Malaysia, Kuala Lumpur, Malaysia, Malaysian Staff Training - Programme II, The National Center for Research in Vocational Education (R. E. Taylor), 1 January 1982 through 31 December 1982. (Project 763015 - New)

\$16,937.00 - Elsa U. Pardee Foundation, Midland, Michigan, A Study of Serum Lipids in Colon Cancer Patients, Cancer Research Center (N. A. Reiches), 1 March 1982 through 28 February 1983. (Project 763028 - New)

\$16,000.00 - Woods Hole Oceanographic Institution, Woods Hole, Massachusetts, Remote Acoustic Sensing of Suspended Particle Distributions, Department of Civil Engineering (K. W. Bedford) and Department of Engineering Mechanics (V. V. Varadan and V. K. Varadan), 28 March 1982 through 30 September 1982. (Project 763037 - New)

\$14,467.00 - Ohio Coal Research Laboratories Association, Inc., Columbus, Ohio, Fracture Mechanics and Structural Responses Associated with Energy Resource Recovery, Department of Engineering Mechanics (S. H. Advani and T. G. Richard), 16 June 1980 through 15 March 1983. (Project 762227 - Continuation)

\$14,200.00 - Iowa State University-Ames Laboratory, Energy and Mineral Resources Research Institute, Ames, Iowa, Ultrasonic Scattering from Cracks, Department of Welding Engineering (L. Adler), 1 February 1982 through 31 May 1982. (Project 762511 - Continuation)

May 7, 1982 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

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

\$10,653.00 - Iowa State University-Ames Laboratory, Energy and Mineral Resources Research Institute, Ames, Iowa, Elastic Wave Scattering by Flaws for Application in NDE, Department of Engineering Mechanics (V. V. Varadan and V. K. Varadan), 1 February 1982 through 31 May 1982. (Project 762502 - Continuation)

\$9,420.00 - Ohio Coal Research Laboratories Association, Columbus, Ohio, Kinetic Requirements for the High Intensity Combustion of Coal as Data Source for Design of Small Coal Burners for Industrial Use, Department of Mechanical Engineering (R. H. Essenhigh), 26 May 1980 through 31 December 1982. (Project 762203 - Continuation)

\$6,765.00 - American Veterinary Medical Association, Schaumburg, Illinois, Segmental Epidural and Subarachnoid Analgesia in Conscious Horses, Department of Veterinary Clinical Sciences (R. T. Skarda), 1 March 1982 through 31 August 1982. (Project 763008 - New)

\$6,000.00 - C. S. G. Corporation, Washington, D. C., Technical Assistance Project for the Microcomputer Choices Program, The National Center for Research in Vocational Education (R. E. Taylor), 1 March 1982 through 31 May 1982. (Project 763026 - New)

\$5,754.00 - Southeastern Ohio Technical Education Consortium, Nelsonville, Ohio, Cooperative Agreement between Southeastern Ohio Technical Education Consortium and The Ohio State University Research Foundation, Cooperative Extension State Operations (C. J. Cunningham) and Cooperative Extension Field Operations (L. G. Sanford and D. P. Miller), 4 January 1982 through 31 March 1982. (Project 763030 - New)

\$5,000.00 - Family Health Foundation of America, Kansas City, Missouri, A Study of the Effect of a Supervised Aerobic Exercise Program on In-Term and Long-Term Success of a Smoking Cessation Clinic, Department of Family Medicine (L. L. Gabel and R. Lowry), 1 February 1982 through 30 June 1983. (Project 763019 - New)

\$4,977.00 - The University of Arizona, Tucson, Arizona, Revision Specifications for Arizona Model for Vocational Assessment, The National Center for Research in Vocational Education (R. E. Taylor), 15 March 1982 through 30 June 1982. (Project 763002 - New)

\$4,938.00 - The University of Arizona, Tucson, Arizona, Field Test of the Arizona Model for Vocational Assessment, The National Center for Research in Vocational Education (R. E. Taylor), 18 January 1982 through 30 March 1982. (Project 763000 - New)

May 7, 1982 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

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

\$4,920.00 - The University of Arizona, Tucson, Arizona, Training Workshop for a Field Test of the Arizona Model for Vocational Assessment, The National Center for Research in Vocational Education (R. E. Taylor), 14 February 1982 through 11 March 1982. (Project 763001 - New)

\$4,610.00 - American Academy of Physician Assistants, Arlington, Virginia, Self-Assessment and Self-Paced Learning Modules for Physicians Assistants, Academic Faculty of Educational Foundations and Research (A. D'Costa), 1 March 1982 through 30 April 1982. (Project 762258 - Continuation)

\$3,772.93 - Various Pharmaceutical Labs, Research in Clinical Pharmacology, Department of Pharmacology (J. R. Bianchine and P. B. Hollander), 1 December 1981 through 30 November 1982. (Project 762968 - Continuation)

\$3,707.00 - Chemical Abstracts Service, Division of The American Chemical Society, Columbus, Ohio, Design and Evaluation of Procedures for Optimizing Human Performance in an Online Data Retrieval System, Department of Psychology (H. Shulman), 16 March 1982 through 15 June 1982. (Project 762213 - Continuation)

\$2,000.00 - Durham Technical Institute, Durham, North Carolina, National Alliance of Postsecondary Education Institutions/Districts, The National Center for Research in Vocational Education (R. E. Taylor), 1 July 1981 through 30 June 1982. (Project 761599 - Continuation)

\$1,000.00 - Wildlife Management Institute, Washington, D. C., Metal Ion Absorption and Toxicity in Pine Seedlings, Department of Botany (E. D. Rudolph and F. A. Miller), 1 April 1982 through 30 September 1982. (Project 763038 - New)

TOTAL - INDUSTRIAL, PRIVATE, AND OTHER

NON-FEDERAL RESEARCH CONTRACTS/GRANTS

\$1,024,174.93

ENGINEERING EXPERIMENT STATION

Industrial and Other Sponsored Research and Development

\$205,653.00 - 45 sponsors for 47 development projects under the direction of 11 engineering departments and research areas.

May 7, 1982 meeting, Board of Trustees

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

OHIO AGRICULTURAL RESEARCH AND DEVELOPMENT CENTER

Federal Contract/Grant

\$321,396.00 - Grants Administrative Management Office, Science and Education, U. S. Department of Agriculture, Arlington, Virginia, continued support of the North Central Region special studies program for pesticide impact assessment, OARDC, to February 19, 1984.

Industrial and Other Contracts/Grants

\$113,221.00 - Ross Laboratories, Columbus, Ohio, continued support of studies on Rotavirus: immunization of prepartum dairy cows and passive protection in neonates, Department of Veterinary Science, April 1, 1982 to March 31, 1984.

\$51,550.00 - Ross Laboratories, Columbus, Ohio, continued support of studies of Rotavirus: immunization of prepartum dairy cows, Department of Dairy Science, April 1, 1982 to March 31, 1984.

\$29,612.00 - Ross Laboratories, Columbus, Ohio, support of a study on effect of two high nitrogen liquid formula diets on fecal composition, fecal transit time and nitrogen balance in healthy college students, Department of Home Economics, April 1 to October 1, 1982.

\$8,250.00 - Robinson Hybrids, Inc., Delaware, Ohio, continued support of a study on an accelerated breeding program for the development of early maturity corn inbred lines, Department of Agronomy, to December 31, 1982.

\$3,000.00 - Lilly Research Laboratories, Division of Eli Lilly and Company, Greenfield, Indiana, support of a study on the effect of continuous versus withdrawal of Tylosin from swine feeds, Department of Animal Science, January 27 to June 30, 1982.

\$3,000.00 - University of California, Department of Land, Air and Water Resources, Davis, California, continued support of a study on mechanism of frost heave pressures, Department of Agronomy, to July 31, 1982.

TOTAL INDUSTRIAL AND OTHER CONTRACTS/GRANTS **\$208,633.00**

Gifts of \$5,000 or More

\$10,000.00 - Foundation for Agronomic Research, Atlanta, Georgia
5,000.00 - Potash & Phosphate Institute, Atlanta, Georgia

TOTAL GIFTS **\$ 15,000.00**

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND

Gifts of \$5,000 or More

\$39,000.00	PPG Industries Foundation, Pittsburgh, Pennsylvania--\$20,000.00 for Pittsburgh Plate Glass Fund; \$10,000.00 for Advance Design Lab--Mechanical Engineering; \$5,000.00 for Affirmative Action Program; \$4,000.00 for Minority Assistance Program.
\$20,000.00	Jerome Fix, Cincinnati, Ohio, for Veterinary Medicine Education and Research Fund.
\$20,000.00	TRW Foundation, Cleveland, Ohio--\$15,000.00 for TRW Grant in Industrial Systems Engineering; \$5,000.00 for TRW Fellowship in Mechanical Engineering.
\$17,154.82	Systems Associates, Columbus, Ohio, for Cardiology Support Fund.
\$16,308.30	University Eye Surgeons, Inc., Columbus, Ohio, for Eye Bank Fund.
\$15,000.00	Uniroyal Chemical Company, Naugatuck, Connecticut, for Plant Protection Professorship.
\$13,500.00	St. Joe Minerals Company, New York, New York, for St. Joe Mineral Fellowship.
\$10,624.00	Sisa, Inc., Cambridge, Massachusetts, for Department of Pharmacology.
\$10,000.00	Harris Corporation, Melbourne, Florida, for Electrical Engineering Special Fund.
\$10,000.00	L.B.E.M. Cullman Foundation, New York, New York, for Cullman Business Policy Fund.
\$10,000.00	Trust Under Will of Anna Roessler, Columbus, Ohio, for Roessler Memorial Medical Scholarship Fund.
\$ 9,700.00	Estate of Fred Hitchcock, Columbus, Ohio, for Fred A. Hitchcock Professorship.
\$ 9,300.00	American Foundation Pharmaceutical Education, Fair Lawn, New Jersey, for American Foundation Pharmaceutical Education Fund.
\$ 7,890.00	Eastman Kodak Company, Rochester, New York, for Kodak Fellows Program.

May 7, 1982 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

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

- \$ 7,605.00 Dow Chemical USA, Midland, Michigan--\$3,000.00 for Dow Research Fellowship; \$2,000.00 for Minority Assistance Program; \$2,000.00 for Student Athlete Grant-in-Aid; \$250.00 for undesignated purposes; \$205.00 for Class of Champions; \$100.00 for Class of 1931 Fund; \$50.00 for Friends of WOSU.
- \$ 7,000.00 Conoco, Inc., Houston, Texas, for Conoco Fellowship in Chemistry.
- \$ 7,000.00 Firestone Tire & Rubber Company, Akron, Ohio, for Chemistry and NMR Research Fund.
- \$ 6,500.00 Adria Laboratories, Columbus, Ohio--\$3,500.00 for PADM Research-Education Fund; \$3,000.00 for Toxicology Research Fund.
- \$ 6,500.00 Gulf Research Development (Gulf Oil), Pittsburgh, Pennsylvania, for Mechanical Engineering Coal Combustion Fund.
- \$ 6,011.30 Merrymakers Club, Columbus, Ohio, for National Achievement Merrymakers Fund.
- \$ 6,000.00 Economic Education Center of Central Ohio, Columbus, Ohio, for Economic Education Fund.
- \$ 5,464.00 Deloitte Haskins & Sells Foundation, New York, New York--\$2,100.00 for J. R. McCoy Scholarship Fund; \$1,000.00 for Student Athlete Grant-in-Aid Fund; \$825.00 for Accounting Special Fund; \$775.00 for College of Administrative Science Fund; \$500.00 for University Activities Fund; \$150.00 for H. C. Miller Memorial Fund; \$65.00 for undesignated purposes; \$49.00 for Friends of WOSU.
- \$ 5,050.00 Donald Cruickshank, Columbus, Ohio, for fund to improve teacher education.
- \$ 5,000.00 Beulah Brown, Columbus, Ohio, for Dr. Howard Brown Fund.
- \$ 5,000.00 Ohio Quarter Horse Association, Richwood, Ohio, for Quarter Horse Building.
- \$ 5,000.00 Swift Industries Packing Company, Chicago, Illinois, for Kottman Scholars Program.

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

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

\$ 5,000.00 U. S. Steel Corporation, Pittsburgh, Pennsylvania, for Engineering Evaluation Program.

\$ 5,000.00 Wayne County National Bank, Wooster, Ohio, for Kottman Scholars Program.

Establishment of Named Funds

The John C. Geupel Chair Fund

The John C. Geupel Chair Fund was established May 7, 1982, by the Board of Trustees of The Ohio State University with a gift to The Ohio State University Development Fund from John C. Geupel of Columbus, Ohio.

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

The annual income is to be used for salary and program support for a distinguished teacher, researcher and engineer in the Department of Civil Engineering. Appointment to the Geupel Chair will be upon the recommendation of the Dean of the College of Engineering to the President and approval of the Board of Trustees.

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

Biological Environmental Research Fund

The Biological Environmental Research Fund was established May 7, 1982, by the Board of Trustees of The Ohio State University with a gift to The Ohio State University Development Fund from Columbia Gas of Ohio.

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

The annual income is to be used for support of biological environmental research to be conducted by faculty in the College of Biological Sciences at the Neotoma preserve, Hocking County, Ohio. The Dean of the College of Biological Sciences is authorized to invade the

May 7, 1982 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

Establishment of Named Funds (contd)

Biological Environmental Research Fund (contd)

principal amount of the endowment if necessary, and will have sole authority to approve expenditures from the fund.

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

The Sheldon B. Ackerman Endowment Fund

The Sheldon B. Ackerman Endowment Fund was established May 7, 1982, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University through The Ohio State University Development Fund from the family and friends of Sheldon B. Ackerman.

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

The annual income is to be used to establish a prize to be known as the Sheldon B. Ackerman Award to be given to an outstanding student(s) in the area of business logistics or for similar outstanding achievement in marketing. The selection of the recipient(s) will be recommended by the faculty member holding "The James R. Riley Professorship (designated) in Transportation and Business Logistics." If the Riley professor does not exercise the selection option, then the chairman of the marketing faculty will recommend the recipient(s). All recommendations are to be approved by the dean of the College of Administrative Science.

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

The William J. Skou Faculty Enrichment Fund

The William J. Skou Faculty Enrichment Fund was established May 7, 1982, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from the estate of William J. Skou, M.S. '51, of Akron, Ohio, in memory of his service as a faculty member of The Ohio State University Agricultural Technical Institute, Wooster, Ohio.

May 7, 1982 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

Establishment of Named Funds (contd)

The William J. Skou Faculty Enrichment Fund (contd)

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

The annual income may be used exclusively for full-time faculty members of The Ohio State University Agricultural Technical Institute for defraying costs involved in attending off-campus professional meetings, courses and similar educational meetings with the funds being used to defray travel expenses, lodging, meal costs and registration fees. All requisitions for funds will be approved by the Director of the Agricultural Technical Institute.

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

The William J. Skou Scholarship Fund

The William J. Skou Scholarship Fund was established May 7, 1982, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from the estate of William J. Skou, M.S. '51, of Akron, Ohio.

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

The annual income (over and above what must be added to the principal to offset the annual inflation rate) is to be used to provide one or more scholarships for students entering the field of floriculture and/or greenhouse production of flowers or ornamentals. Only students in the upper third of their graduating high school class, and without regard to their parent's income level, can be selected to receive the scholarships. Further, of the annual income available for distribution, 50 per cent will be utilized for scholarship recipients at The Ohio State University Columbus Campus and the remaining 50 per cent of the income for scholarship recipients at The Ohio State University Agricultural Technical Institute Campus. Selection of recipient(s) is to be made upon the recommendation of a committee comprised of the Chairman, Department of Horticulture (Columbus Campus), the Director of the Agricultural Technical Institute and the Dean of the College of Agriculture and Home Economics with the latter serving as chairman (designees of these officers may serve as the recommending committee).

May 7, 1982 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

Establishment of Named Funds (contd)

The William J. Skou Scholarship Fund (contd)

Should the need for these scholarships cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever as determined by the Board of Trustees of the University with preference being given to recommendations from the appropriate administrative officials of the University who are then directly responsible for floriculture education at either the Columbus Campus or at the Agricultural Technical Institute.

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EMPLOYMENT OF ARCHITECTS/ENGINEERS

OHIO AGRICULTURAL RESEARCH AND DEVELOPMENT CENTER PROJECTS

Resolution No. 82-104

Synopsis: Authorization to employ architectural/engineering firms for six projects is requested.

WHEREAS Amended Substitute House Bill 552 contains capital appropriations for the following projects at the Ohio Agricultural Research and Development Center of The Ohio State University:

Gnotobiotic Laboratory
Farm Headquarters, Storage Building, Land Improvement
Agronomy Farm
Research Services Building
Agricultural Museum
Utilities and Renovation Projects

WHEREAS it is important that plans for these projects be completed as soon as possible:

NOW THEREFORE

BE IT RESOLVED, That the Vice President for Business and Administration be authorized to select a qualified architectural/engineering firm for each project listed above from lists of firms requested from and provided by the Department of Administrative Services and that the fees for these architectural/engineering services be negotiated between the firms selected and the Department of Administrative Services, Division of Public Works.

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

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May 7, 1982 meeting, Board of Trustees

EMPLOYMENT OF ARCHITECT

VARIOUS HEALTH SCIENCES CENTER RENOVATION PROJECTS

Resolution No. 82-106

Synopsis: Authorization to employ an architect to define projects and develop schematics for various renovation projects within the Health Sciences Center is requested.

WHEREAS several projects have been requested by the Health Sciences Center to be accomplished over the next five years to support teaching and research, patient care, and administration and support services; and

WHEREAS these renovations will improve space utilization to accommodate increased work load within University Hospitals, will increase operational efficiency, will provide greater efficiency in patient treatment, and will upgrade facilities permitting use of modern technology; and

WHEREAS the University Hospitals Board endorsed these renovations at their meeting of January 26, 1982:

NOW THEREFORE

BE IT RESOLVED, That the firm of C. Curtis Inscho and Associates of Columbus, Ohio, be employed to provide all architectural consulting services to define the various projects required and define schematic representation of those necessary projects and that the fee for these services be negotiated between the firm and the Department of Administrative Services, Division of Public Works, within the limits established by The Ohio State University, and that funds be provided for these consulting services from the University Hospitals.

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

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PLANS AND SPECIFICATIONS

Resolution No. 82-106

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

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

May 7, 1982 meeting, Board of Trustees

PLANS AND SPECIFICATIONS (contd)

**ELECTRICAL DISTRIBUTION IMPROVEMENTS, PROJECT A (SUBSTATION B)
ELECTRICAL DISTRIBUTION IMPROVEMENTS, PROJECT B (RESEARCH CENTER)**

Project: Substation B - Install new 5KV switchgear to replace the obsolete equipment which is no longer adequate.

Research Center - Extend the main campus 15KV electrical distribution system to the Research Center buildings to improve the electrical service and reduce energy costs.

Funding: H. B. 552, Utilities and Renovation, Item 315-074 (81-83 Biennium)

Estimated Project Cost: \$510,000

FAWCETT CENTER FOR TOMORROW - ROOF REPLACEMENT

Project: Extensive roof repairs to prevent severe water damage to the interior of Fawcett Center for Tomorrow.

Funding: Budget Account 210134 (Contract Repair)

Estimated Project Cost: \$400,000

ELEVATOR REPLACEMENTS - PROJECT A (POMERENE AND JOHNSTON)

Project: Installation of new passenger elevators to replace obsolete elevators for which repair parts are no longer available. The new units will be complete with provisions for the handicapped added.

Funding: H. B. 552, Utilities and Renovation, Item 315-074 (81-83 Biennium)

Estimated Project Cost: \$230,000

WINDOW REPLACEMENT - PROJECT C (HASKETT HALL)

Project: Installation of new windows to replace the existing deteriorated and energy inefficient units.

Funding: H. B. 552, Utilities and Renovation, Item 315-074 (81-83 Biennium)

Estimated Project Cost: \$220,000

May 7, 1982 meeting, Board of Trustees

PLANS AND SPECIFICATIONS (contd)

LIGHTING IMPROVEMENTS - PROJECT A

Project: Installation of new energy efficient fluorescent lighting fixtures to replace obsolete incandescent units to improve lighting and reduce energy consumption and maintenance costs.

Funding: H. B. 552, Utilities and Renovation, Item 315-074 (81-83 Biennium)

Estimated Project Cost: \$140,000

**OHIO UNION PARKING RAMP - INSTALLATION OF NEW
13.2KV ELECTRICAL SERVICE**

Project: Installation of primary 15KV 3 phase electrical service from Sullivant Hall. By transferring this electrical load from a direct utility company service to the University's distribution system it is estimated that a \$9,000 annual savings will be made.

Funding: Budget Account 885178

Estimated Project Cost: \$42,544

LINCOLN TOWER - INSTALLATION OF TELEPHONE DUCTS

Project: Installation of telephone duct work from the manhole at the southeast corner of Drake Union on Cannon Drive to Room 128 of Lincoln Tower. The duct system is to be used in conjunction with the expansion of the University's telephone system.

Funding: Budget Account 885171

Estimated Project Cost: \$39,013

NOW THEREFORE

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

May 7, 1982 meeting, Board of Trustees

PLANS AND SPECIFICATIONS (contd)

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

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

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**REPORT OF AWARD OF CONTRACTS AND
ESTABLISHMENT OF CONTINGENCY FUNDS**

Resolution No. 82-107

Synopsis: Contracts have been awarded for the projects listed below to the lowest and best bidders in accordance with University procedures.

WHEREAS resolutions adopted by the Board of Trustees at previous meetings authorized the President and/or Vice President for Business and Administration to sign the plans and specifications and, in accordance with established University procedures, to request bids and, if satisfactory bids were received, to recommend to the Department of Administrative Services, Division of Public Works, the award of contracts for the following projects:

**MCCRACKEN POWER PLANT
INSTALLATION OF DESUPERHEATERS AND
PIPING INSULATION RETROFIT (ECM-3)**

Description: Installation of a desuperheater in the Power Plant to reduce temperature of steam distribution through the system and installation of additional insulation of piping in selected areas in the five-mile tunnel system to further reduce heat losses. These modifications will substantially save dollars in energy costs and will have a two-and-one-half year payback.

Mechanical Contract

Date Received:	March 23, 1982
No. of Bids:	10
Low Bid:	\$ 84,300.00
High Bid:	\$120,110.00
Estimate of Cost:	\$108,270.00
Awarded to:	J. A. Guy, Inc., Dublin, Ohio

May 7, 1982 meeting, Board of Trustees

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

**MCCRACKEN POWER PLANT
INSTALLATION OF DESUPERHEATERS AND
PIPING INSULATION RETROFIT (ECM-3) (contd)**

Insulation Contract

Date Received:	March 23, 1982
No. of Bids:	6
Low Bid:	\$325,430.00*
High Bid:	\$450,000.00*
Estimate of Cost:	\$413,252.29*
Awarded to:	M. K. Moore and Sons, Inc., Dayton, Ohio
Total All Contracts:	\$409,730.00
Total Contingency Allowance:	\$ 38,681.63 which is 9 per cent of construction contracts
Total Project Cost:	\$500,000.00
Funding:	Federal Grant (\$250,000) and matching funds from the Ohio Board of Regents and University Funds (Budget Account 885153)

* Recommended Alternates reflected in these figures.

**PARKING LOT MAINTENANCE - 1981-82
RESURFACING AND DRAINAGE MODIFICATIONS**

Description: Resurfacing and drainage modifications will be accomplished for the following parking lots:

Dentistry Lot
French Field House/St. John Arena - North Lot
Printing Facility - East Lot
Tuttle Park Lots 3 and 4 West and 1 and 2 East
Water Resources Lot
French Field House - South Lot
Fawcett Center - North and South Lots

May 7, 1982 meeting, Board of Trustees

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

**PARKING LOT MAINTENANCE - 1981-82
RESURFACING AND DRAINAGE MODIFICATIONS (contd)**

General Contract

Date Received:	March 23, 1982
No. of Bids:	7
Low Bid:	\$356,770.00*
High Bid:	\$447,995.05*
Estimate of Cost:	\$532,296.00*
Awarded to:	Central Ohio Asphalt Paving, Inc., Hilliard, Ohio
Total Contract:	\$356,770.00
Total Contingency Allowance:	\$ 35,677.22 which is 10 per cent of construction contract
Total Project Cost:	\$512,154.81
Funding:	Budget Account 885071

* Recommended Alternate reflected in these figures.

**PARKING LOT MAINTENANCE - 1981-82
PATCH, REPAIR, AND SLURRY SEAL**

Description: Patch, repair, and slurry seal work will be accomplished due to deterioration on the following lots:

University Airport - Main Parking Lot
Dodd Hall - South Lot
Research Center Lots

General Contract

Date Received:	March 23, 1982
No. of Bids:	5
Low Bid:	\$104,767.00
High Bid:	\$145,880.00
Estimate of Cost:	\$164,744.00
Awarded to:	Strawser Paving Company, Columbus, Ohio

May 7, 1982 meeting, Board of Trustees

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

**PARKING LOT MAINTENANCE - 1981-82
PATCH, REPAIR, AND SLURRY SEAL (contd)**

Total Contract: \$104,767.00
Total Contingency Allowance: \$ 16,239.00 which is 16 per cent of construction contract
Total Project Cost: \$149,799.64
Funding: Budget Account 885071

WOODRUFF AVENUE, REPAIR/REPLACE CURBS AND SIDEWALKS

Description: Repair of curbs and sidewalks on the north side of Woodruff Avenue from Neil Avenue to High Street. This is necessary due to deterioration.

General Contract

Date Received: March 23, 1982
No. of Bids: 7
Low Bid: \$ 33,320.00
High Bid: \$ 45,209.00
Estimate of Cost: \$ 35,000.00
Awarded to: Tom Mayle & Sons, Cutler, Ohio
Total Contract: \$ 33,320.00
Total Contingency Allowance: \$ 853.16 which is 3 per cent of construction contract
Total Project Cost: \$ 35,500.00
Funding: Budget Account 210134 (Contract Repair)

**PARKING LOT MAINTENANCE - 1981-82
PATCH, REPAIR, AND EMULSION SEAL COAT**

Description: Patching, repair, and seal coating will be accomplished for the following parking lots: Women's Field House; Drackett (North of Curl Drive); Cunz Hall; Kinsman (Belmont and 10th Avenue); Goss Laboratory (South); Sisson (Northeast); and Laundry. These repairs are needed due to deterioration.

May 7, 1982 meeting, Board of Trustees

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

**PARKING LOT MAINTENANCE - 1981-82
PATCH, REPAIR, AND EMULSION SEAL COAT (contd)**

General Contract

Date Received:	March 23, 1982
No. of Bids:	7
Low Bid:	\$ 28,259.00
High Bid:	\$ 39,929.00
Estimate of Cost:	\$ 35,873.00
Awarded to:	Miller Sealing & Trucking Co., Inc., Hilliard, Ohio
Total Contract:	\$ 28,259.00
Total Contingency Allowance:	\$ 3,673.60 which is 13 per cent of construction contract
Total Project Cost:	\$ 41,296.00
Funding:	Budget Account 885071

NOW THEREFORE

BE IT RESOLVED, That pursuant to the actions previously authorized by the Board, the award of contracts and the establishment of project funds and contingency funds for the projects listed above are hereby approved.

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

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**INCREASE IN THE NUMBER OF CARRIERS AUTHORIZED
TO PARTICIPATE IN TAX DEFERRED ANNUITY PROGRAM**

Resolution No. 82-108

Synopsis: An increase in the number of carriers authorized to participate in the University's Tax Deferred Annuity program is recommended.

WHEREAS on July 6, 1973, this Board selected four carriers to provide and service a Tax Deferred Annuity program for University faculty and staff; and

May 7, 1982 meeting, Board of Trustees

**INCREASE IN THE NUMBER OF CARRIERS AUTHORIZED
TO PARTICIPATE IN TAX DEFERRED ANNUITY PROGRAM (contd)**

WHEREAS the Aetna Variable Annuity Life Insurance Company, the Prudential Life Insurance Company of America, the Teachers Insurance Annuity Association and College Retirement Equities Fund, and the Variable Annuity Life Insurance Company have served as carriers to the faculty and staff for this program; and

WHEREAS a periodic review indicated that the Tax Deferred Annuity program might be enhanced by offering faculty/staff members one or more new carrier/plan choices; and

WHEREAS a solicitation of 35 companies by means of bid specifications was made and 21 proposals were received; and

WHEREAS based on an analysis of the bid proposals, it is recommended that H. C. Copeland and Associates and T. Rowe Price be authorized as of August 1, 1982, to provide their Tax Deferred Annuity programs for University faculty/staff:

NOW THEREFORE

BE IT RESOLVED, That H. C. Copeland and Associates and T. Rowe Price, selected on the basis of their specific bid proposals, be authorized to provide and service their Tax Deferred Annuity programs for the University faculty/staff effective August 1, 1982.

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

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TRIBUTE TO CHESTER DEVENOW

President Jennings:

Mr. Chairman, I would like now to call on Professor Protheroe, who I see in the audience, who would like to make a comment.

Professor Protheroe:

President Jennings, I have been asked by a group of faculty to come before the Board to read a statement to you today. It is dated May 7, 1982.

To Mr. Chester Devenow:

The below named faculty, speaking directly in their own names and symbolically for the entire faculty, wish to express to you our thanks for your service to our University. You have consistently given of yourself to The Ohio State University beyond that which could be reasonably expected. Your devotion and attention to our academic endeavour has been an example to us which serves to reinforce our collective belief in Ohio State.

May 7, 1982 meeting, Board of Trustees

TRIBUTE TO CHESTER DEVENOW (contd)

In recognition of your efforts, we wish to do something which we have no power to do in either rule or in law but which we feel we have in spirit and in mind. We would confer upon you the title Professor and ask that you accept this act and, in so doing, will feel free, if not obligated, to continue your association with Ohio State. We invite you to join us, at your pleasure, in the Faculty Club, in our classrooms, in our laboratories and in our studies. We will not settle for a mere nine years of your devotion and we therefore ask you to continue with us.

With our deep thanks and appreciation,

ROBERT L. BARTELS	Professor of Health and Physical Education
MORRIS BEJA	Professor of English
GOODWIN BERQUIST	Professor of Communications
S. LESLIE BLATT	Professor of Physics
DAVID H. BOYNE	Professor of Agricultural Economics and Rural Sociology
CHARLES H. BREWER	Professor of Architecture
EUGENE R. CAPRIOTTI	Professor of Astronomy
PHILLIP M. CLARK	Professor of Psychology
CHARLES E. CORBATO	Professor of Geology
W. ARTHUR CULLMAN	Professor of Marketing
DAVID W. DEAN	Professor of Mathematics
RAYMOND W. DOSKOTCH	Professor of Pharmacy
WARREN W. EASON	Professor of Economics
NATHAN S. FECHHEIMER	Professor of Dairy Science
JOHN B. GABEL	Professor of English
J. BRUCE GRIFFING	Professor of Genetics
LAWRENCE J. HERSON	Professor of Political Science
CHARLES W. HOFFMANN	Professor of German
CALVIN M. KUNIN	Professor of Medicine
RICHARD R. LANESE	Professor of Preventive Medicine
ROY A. LARMEE	Professor of Educational Administration
ILSE LEHISTE	Professor of Linguistics
ARTHUR W. LEISSA	Professor of Engineering Mechanics
HERBERT S. LIVINGSTON	Professor of Music
FRANKLIN M. LUDDEN	Professor of Art History
SVEN B. LUNDSTEDT	Professor of Public Administration
MARK P. MORFORD	Professor of Classics
ANDREW G. OLDENQUIST	Professor of Philosophy
THOMAS E. POWERS	Professor of Veterinary Physiology and Pharmacology
WILLIAM M. PROTHEROE	Professor of Astronomy
EDWARD RAY	Professor of Economics
KENT P. SCHWIRIAN	Professor of Sociology
WILLIAM B. SHOOK	Professor of Ceramic Engineering
FRANK R. SILBAJORIS	Professor of Slavic Languages
FREDERIC D. STOCKER	Professor of Economics
MARLIN O. THURSTON	Professor of Electrical Engineering
GISELA M. VITT	Associate Professor of German
MARVIN R. ZAHNISR	Professor of History

May 7, 1982 meeting, Board of Trustees

TRIBUTE TO CHESTER DEVENOW (contd)

Professor Protheroe: (contd)

I think 'Professor Devenow' when you look at the breadth of disciplines represented you will realize your professorship is not an ordinary one but rather it is most cosmic in nature.

Mr. Devenow:

Thank you, Professor Protheroe. I am shocked and delighted and at a loss for words for the first time in nine years but very grateful for the recognition, and you can be assured that whether I am or am not a professor, I will continue my deep and committed dedication to this University. As I said last night, it is a great, great complex. It goes beyond the ordinary realm of anything I have ever been in, and I feel very honored and grateful that I have had an opportunity to serve. Thank you very, very much.

President Jennings:

Thank you, Bill. Professor Devenow, we expect you to agree with everything that the Board says from here on out.

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RECOGNITION OF THE SEVENTY-FIFTH ANNIVERSARY OF SPHINX

Resolution No. 82-109

WHEREAS: Sphinx, the Senior Honor Society, is today celebrating its 75th Anniversary of service to The Ohio State University; and

WHEREAS: Sphinx Plaza is to be dedicated today as an anniversary gift from the honor society commemorating its 75 years of loyalty and service to our University; and

WHEREAS: the Sphinx Plaza makes substantial esthetic contribution to the campus environment in support of our educational activities and helps complete the master plan for the area enclosed by University Hall, the Main Library, Townsend Hall, and Independence Hall:

NOW THEREFORE, BE IT RESOLVED, that the Board of Trustees accept with deep gratitude the gift of Sphinx Plaza in tribute to that organization whose leadership and individual members have, through time, provided exemplary and exceptional service to their Alma Mater, The Ohio State University.

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

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May 7, 1982 meeting, Board of Trustees

THANKS BY CHESTER DEVENOW

Mr. Devenow:

Well, maybe I can take five minutes to thank everybody in the total University for all the support that you have given me. I have never felt more comfortable than I have with this Board of Trustees. They are a bunch of magnificent men that they have. I hope you understand and take it back to your constituencies that they spend a lot of time and they give a lot of concern to all the problems of the University, and they are deeply concerned about all the problems that we face at the University, and the Board of Trustees is normally considered to be just a rubber stamp operation; but that is not a fact at Ohio State. I found that out, we have got individual men with individual opinions, and over the last nine years they have with complete commitment and dedication made decisions which they felt were best for the total University, the faculty, students and administration, and I feel very confident that the future of Ohio State is in very secure hands. You have a President who is one of the ablest men I have met in many, many years, and one who knows what the problems are and probably will, in my opinion, resolve those problems to the best interests of all of us. So I take leave with great confidence that this is the beginning of a tremendous growth area for Ohio State. You've got everything; the question is, 'How you develop it?' Is that five minutes up? I feel like some Senator filibustering.

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APPRECIATION TO CHESTER DEVENOW

Mr. Smith:

You know when you get the first appointment you have nine years, it seems like a long time and yet it goes very quickly. Sometimes it's a flash of leaky roofs and parking lots that need paved and buildings that are constructed, but it is more than that. There are light moments like Barnebey Center, which I am sure you remember, Barnebey Center which we visited, etc., and there are thorny problems like the practice plan and like the budget problems that you just led us through; but I think you put your finger on it last night when you were talking to the group and that was: it is different from our work-a-day life what we do here at the University. There is a marked difference for all of us to observe, and I think it is an institution that is going to be here after we are all gone, after we are all dust. Somehow there are many parts to us, and a lot of people make the contribution that makes it a great university. I think in your years of service you have made your contribution, and it will live a long time with this institution.

Mr. Devenow: Thank you very much, thank you.

President Jennings:

Well, we are not in television so we can't stretch this further. I want to, from the University, present perhaps a small symbol of our appreciation to you--speaking for the entire University--with a couple of small tokens that perhaps will allow you to remember us by.

May 7, 1982 meeting, Board of Trustees

APPRECIATION TO CHESTER DEVENOW (contd)

President Jennings presented a plaque (State of Ohio) with the inscription:

Chester Devenow

*Member,
The Ohio State University
Board of Trustees
1973-1982
Chairman, 1980-1982*

In appreciation to Chester Devenow
for outstanding leadership, service and dedication
to
The Ohio State University.



President Jennings:

We will present you also with a gavel in recognition of your outstanding contribution as Chairman of this Board from all of us at the University.

Chester Devenow
in appreciation of his service
to the Board of Trustees of
The Ohio State University
Member 1973-82
Chairman 1980-82

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May 7, 1982 meeting, Board of Trustees

REPORT - UNIVERSITY'S INVESTMENT PORTFOLIO

Resolution No. 82-110

RESOLVED, That the report on the University's Investment Portfolio, dated April 16, 1982, as submitted to the Fiscal Affairs Committee of the Board of Trustees, be received and filed with the official records of the Board.

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Thereupon the Board adjourned to meet Thursday, June 10, 1982, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, at 1:30 p.m.

Attest:

Madison H. Scott
Secretary

Chester Devenow
Chairman

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APPENDIX IV

Degrees Conferred at

**THE OHIO STATE UNIVERSITY
COMMENCEMENT CONVOCATION**

June 11, 1982

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Commencement Speaker

Roy M. Kottman

Roy M. Kottman has devoted more than 22 years of service to the state of Ohio. Before being appointed vice president for Agricultural Administration and executive dean for Agriculture, Home Economics, and Natural Resources—he served as dean of the College of Agriculture and Home Economics for more than 20 years. Aside from holding a professorship in the Department of Animal Science, he is also director of both the Ohio Agricultural Research and Development Center and the Cooperative Extension Service. In his various administrative posts, he has forged a strong link between the University and business and industry. He has ensured that the great assets and resources of Ohio State have been and will continue to be made available to the farming community, not only throughout Ohio, but throughout the world. Although Dr. Kottman's basic field is animal science—specifically genetics and breeding—his interests and activities encompass all aspects of research and education in agriculture, home economics, and natural resources. He has received numerous awards for his outstanding service and holds an honorary degree from the University of Wooster. Dr. Kottman is a Fellow of the American Society of Animal Science and is a member of the honorary societies of Sigma Xi and Phi Kappa Phi, as well as a member of Gamma Sigma Delta and Alpha Zeta, agricultural honoraries. In recognition of his service to the University and to the state of Ohio, a permanent endowment in his name was established to provide financial support to students majoring in agriculture, home economics, or natural resources.

The University is proud to have this distinguished administrator, researcher, and teacher address the graduates of its 280th Commencement.

Recipients of Honors

R. M. Lumiansky

Doctor of Humane Letters

An internationally recognized scholar of medieval literature, Dr. Lumiansky is one of the most influential spokesmen for the humanities in the United States today. Dr. Lumiansky played a pivotal role in the establishment of the National Endowment for the Arts and the National Endowment for the Humanities. Most recently, he was a member of the Presidential Task Force on the Arts and Humanities. A teacher and scholar for more than a quarter century, he is an academic administrator and leader as well. He served as chairman of the departments of English at two universities, as well as dean and then provost at Tulane University. He has taught at Tulane University, Duke University, the University of Pennsylvania, and New York University. Professor Lumiansky's translation of Chaucer stands as a classic and has brought the joy of the famous poet's work to many modern readers. His scholarly work has been recognized by the governments of France, from which he received the *Palme Académiques*, and of Italy, from which he received the *Stella della Solidarietà Italiana*. He received a Guggenheim Fellowship in 1968 and is a Fellow of the Medieval Academy of America and of the American Academy of Arts and Sciences. An author of eight books and more than fifty scholarly articles, he has received honorary degrees from the University of South Carolina, the University of Southern California, the City University of New York, and the University of North Carolina. In bestowing this honor, the University seeks to recognize Dr. Lumiansky for his unflinching commitment to higher education, to scholarship, and, most especially, to the advancement of the humanities.

Elmer Boyd Staats

Doctor of Humane Letters

After receiving his doctoral degree from the University of Minnesota, Elmer Staats joined the New Deal Bureau of the Budget in 1939 and headed up its War Agencies Section during World War II. Serving in every administration since Roosevelt's, he was appointed Comptroller General of the United States by President Johnson. In his fifteen years as head of the Government Accounting Office, Elmer Staats transformed what was once essentially an accounting and auditing organization into a highly respected voice in public policy. Under his leadership, the GAO's mission increasingly became one of management consulting—helping other government agencies organize and economize. He also helped shift its focus from examination of financial statements to comprehensive evaluation of large government programs such as Social Security and military procurement. A proponent of frugality in government long before it ever became popular, his efforts and evaluation programs have resulted in many reforms and savings. The greatly widened and altered concepts of comprehensive audit and performance evaluation which he has developed have earned him the highest regard in both the public and private sectors. A member of Phi Beta Kappa, he has been a fellow at the Brookings Institution and has received numerous honorary degrees, including Doctor of Laws degrees from Duke University, McPherson College, and Nova University; a Doctor of Public Service degree from George Washington University; and a Doctor of Administration degree from the University of South Dakota. President Reagan arranged for a special ceremony to award Dr. Staats the Presidential Medal of Honor for meritorious service and contributions to the federal government. Today, the University takes great pride in recognizing Elmer Staats for his many years of distinguished government service.

Wayne Woodrow "Woody" Hayes Distinguished Service Award

Wayne Woodrow Hayes served as head football coach at The Ohio State University for 28 years. During that time, he established himself as one of the all-time great college football coaches. Under his leadership, Ohio state's football teams achieved a degree of excellence unmatched in the University's rich athletic history. Aside from his duties as football coach, Woody also enjoyed teaching courses in physical education and athletic administration at both the undergraduate and graduate levels. An avid reader, he is an aficionado of military history. In 1935, he was graduated from Denison University, where he majored in English and history. He holds an M.A. from The Ohio State University in education administration. An inspirational speaker, he has addressed thousands of people, from elementary school age children to professionals in various fields. His speeches are motivational, informative, and unabashedly patriotic. Regardless of the audience, he never fails to mention the merits of Ohio State, the value of college football, and his unswerving belief in his country. In his 33 years as a head football coach, his teams won 238 games, a record which places him fourth among all major college coaches for the most victories. Coach Hayes was named "College Coach of the Year" in 1957 and again in 1975. Thirteen of his OSU teams won Big Ten Championships and five of his teams were named National Champions by one or more of the four recognized selection committees. The university community is proud to honor Coach Hayes for his many years of distinguished and devoted service to The Ohio State University.

The Graduate School

Dean: Jules B. LaPidus

Doctor of Musical Arts

Peter Paul Dorgan, Columbus; L.T.C.L. Diploma (Trinity College of Music); L.R.A.M. Diploma (Royal Academy); M.M.; *Music*; Dr. Richard Tetley Kardos

Christian Coates Norris, Plain City; B.A. (University of Mississippi); M.Ed. (University of Pittsburgh); M.M.; *Music*; Dr. Jerry Louder and Dr. Sylvia Zarembo

Doctor of Philosophy

Seo Kyoo Ahn, Seoul, Korea; B.S. (Seoul National University); M.S.; *Industrial and Systems Engineering*; Dr. Albert B. Bishop

William Cornell Baird, III, Bexley; A.B. (Indiana University); M.S.; *Dairy Science*; Dr. Wayne R. Gomez

Allen Dwayne Ball, Houston, Tex.; B.A. (Rice University); M.A.; *Psychology*; Dr. Robert C. MacCallum

Simbo Adenuga Banjoko, Ogun, Nigeria; B.Sc. (University of Lagos); M.B.A. (University of Massachusetts); *Business Administration*; Dr. Robert C. Miljns

Sharon Kay Barnett, Memphis, Tenn.; B.A., M.A. (California State University at Chico); *Education*; Dr. C. Ray Williams

Kathleen Krueger Barrows, Columbus; B.A. (St. Olaf College); M.S. (Iowa State University); *Home Economics*; Dr. Jean T. Snook

Fouad Mohamed Sayed Bayomy, Cairo, Egypt; B.S.C.E. (Cairo University); M.S.; *Civil Engineering*; Dr. Kamran Majidzadeh

Gerald James Bean, Jr., Worthington; B.S. (The Deafness College); M.S.W. (The University of Michigan); *Social Work*; Dr. Robert M. Ryan

Rafael Bedolla, San Antonio, Tex.; B.B.A. (San Antonio College, St. Mary's University of San Antonio); M.Adm. (Instituto Tecnológico Y De Estudios Superiores de Monterrey); *Education*; Dr. Donald P. Sanders

Robert Boyd Beebe, South Jordan, Utah; B.S., M.I.E. (Utah State University); *Education*; Dr. James E. Sage

MaryAnn Berry, Highland; B.S., M.A.; *Agricultural Economics and Rural Sociology*; Dr. Ted L. Napier

Cynthia Diane Stark Bessey, Columbus; B.S., M.A.; *Psychology*; Dr. Henry R. Angelino

Narayana Ramachandra Bhat, Karnataka, India; B.Sc. (University of Agricultural Science); M.Sc. (Punjab Agricultural University); *Horiculture*; Dr. Harry K. Tayana

Woodward Scott Bousquet, Pittsfield, Mass.; B.S. (Cornell University); M.S.; *Education*; Dr. Robert E. Roth

Leila Anne Breene, Shelburne, Vt.; B.S. (University of Dayton); M.S.; *Computer and Information Science*; Dr. Jerome Rothstein

Dolores Brookins, Memphis, Tenn.; A.B. (Lane College); M.S. (Tennessee State University); *Education*; Dr. Luveru L. Cunningham

Michael Charles Burns, Columbus; B.S., M.S.; *Microbiology*; Dr. Melvui S. Rheins

Paula Shafer Butterfield, Columbus; B.A., M.A.; *Education*; Dr. Donald J. Tosi

John Douglas Carlson, Columbus; B.S. (Michigan State University); M.S. (University of Wisconsin); *Atmospheric Sciences*; Dr. Michael R. Foster

Jui-Hsiang Chan, Taiwan, Republic of China; B.S. (Tunghai University); M.S. (National Tsing Hua University); *Chemistry*; Dr. Theodore Kuwana

Jane Chang, Columbus; B.S., M.S. (National Taiwan University); *Pharmacy*; Dr. Duane D. Miller

Fuhua Cheng, Taiwan, Republic of China; B.S., M.S. (National Tsing Hua University); M.S., M.S.; *Mathematics*; Dr. Ranko Bojanic

Haiyung Cheng, Taiwan, Republic of China; B.S. (Tunghai University); M.S.; *Pharmacy*; Dr. Louis Malspeis

Paul H. Cohen, Cranston, R. I.; B.S. (University of Rhode Island); M.S.; *Industrial and Systems Engineering*; Dr. Jay T. Black

Paul Gary Conway, Audubon, Pa.; B.S. (Ohio Northern University); M.S.Pharm. (The University of Toledo); *Pharmacy*; Dr. Norman J. Urvetsky

Christine Carol Cook, Columbus; B.A. (Montclair State College); M.S. (Cornell University); *Home Economics*; Dr. Nancy M. Rudd

Judith Anne Cook, Philadelphia, Pa.; B.A. (University of Delaware); M.A.; *Sociology*; Dr. Laurel W. Richardson

Martha Carolyn Cooper, Washington C. H.; B.S., M.S. (Purdue University); *Business Administration*; Dr. Bernard J. LaLonde

Robert Elwin Corder, Fairfield; B.S. (University of Cincinnati); M.S.; *Microbiology*; Dr. James I. Frea

Rose Mariani Cost, Newark; B.S., M.A.; *Education*; Dr. James E. Santos, Jr. and Dr. Anthony A. Olinzock

Kevin David Cummings, Miamisburg; B.S., M.S.; *Physics*; Dr. David B. Tanner

Glenn Raymond Cuomo, Levittown, N. Y.; B.A. (State University of New York at New Paltz); M.A. (The University of Georgia); *German*; Dr. Charles W. Hoffmann

Marwan Bashir Daabag El Marghani, Tripoli, Libya; B.S. (University of Libya); M.S.; *Food Science and Nutrition*; Dr. Michael E. Mangino

Lois Jean Darmstadter, Columbus; B.A., M.A.; *Psychology*; Dr. Samuel Osipow
Wallace Norman Davidson, III, Columbus; B.A., M.B.A. (Wright State University); *Business Administration*; Dr. Andrew Chen

Vivian Witkind Davis, Columbus; B.A. (Wellesley College); M.A. (Tufts University); *Public Administration*; Dr. Robert W. Backoff

Frederick Albert Day, Granville; A.B. (Syracuse University); M.A.; *Geography*; Dr. Lawrence A. Brown

Daniel Anthony DiBisio, Lakewood; B.A. (Ohio Wesleyan University); M.A.; *Education*; Dr. Donald P. Sanders

William Eugene Dorogy, Jr., Murrysville, Pa.; B.S. (Lehigh University); M.S.; *Chemistry*; Dr. Eugene P. Schrum

Ann Leslie Dunnewold, Dallas, Tex.; B.A. (Hiram College); M.A.; *Psychology*; Dr. Richard K. Russell

Fabian Oby Eluma, Imo-State, Nigeria; B.S. (Syracuse University); M.A.; *Anatomy*; Dr. Martha E. Sucheston

Karen Herleane Evans, Galloway; A.B. (Colorado State University); M.A. (John Carroll University); *Education*; Dr. William D. Dowling

Ernest Boyd Ezell, Jr., South Union, Ky.; B.A., M.A. (Western Kentucky University); *Education*; Dr. Donald G. Luz

Caroline Schubert Fasig, Reynoldsburg; B.G.S., M.S. (Indiana University); *Education*; Dr. William D. Dowling

Audrey A. Glenn, Delaware; B.A. (University of Delaware); M.A.; *Psychology*; Dr. Richard K. Russell

David Marcus Gold, Columbus; B.A. (State University of New York at Binghamton); M.A.; *History*; Dr. Michael Les Benedict

Ruth Ellen Goldberg, Columbus; B.A. (Trenton State College); M.A.; *Psychology*; Dr. Samuel H. Osipow

Joan Yvonne Gordon, Cincinnati; B.A. (Fisk University); M.A.; *Education*; Dr. John C. Belland

Warren Allyn Gordon, Lincroft, N. J.; B.S. (Rutgers University); M.S. (University of Minnesota); *Food Science and Nutrition*; Dr. Emil Mikolajcik

Thomas Walter Gray, Columbus; B.S. (Cornell University); M.S.; *Agricultural Economics and Rural Sociology*; Dr. William L. Flinn

Francis Blackburn Gross, III, Winter Haven, Fla.; B.S.E.E., M.S.E.E. (University of Florida); *Electrical Engineering*; Dr. Aaron A. Ksienski

Inder Jeet Gupta N.I.T. Faridabad; Haryana, India; B.Sc. Punjab University); M.Tech. (Indian Institute of Technology at Kanpur); *Electrical Engineering*; Dr. Aaron A. Ksienski

- Gay Belcher Hadley, Columbus; A.B. (Western College); M.A.; *Education*; Dr. Donald P. Sanders
- Hamid Hakimzadeh, Tehran, Iran; B.S. (Pahlavi University); M.S.; *Animal Science*; Dr. Burk A. Dekovity
- William Holman Hanning, Jr., Dayton; B.S.Ed., M.Ed. (Ohio University); *Education*; Dr. Virgil E. Blanke
- Deborah Ann Happ, Columbus; B.A. (Michigan State University); M.A.; *Psychology*; Dr. Theodore J. Kaul
- Anne Elizabeth Harris, Centerville; A.B. (Radcliffe College); M.A.; *Psychology*; Dr. J. Dennis Nolan
- John Milton Harvey, Jr., Princeton, W. Va.; B.S.Ed. (Concord College); A.M. (West Virginia University); *Political Science*; Dr. John R. Champlin
- Robert John Harvey, Kansas City, Mo.; B.A., M.A. (University of Missouri); *Psychology*; Dr. Milton D. Hukel
- Arlyn Judson Heinrichs, Swan Lake, N. Y.; B.S. (Cornell University); M.S.; *Dairy Science*; Dr. Harry R. Conrad
- Susan Ingrid Hepler, Mt. Pleasant, Mich.; B.A. (Michigan State University); M.A.; *Education*; Dr. Charlotte S. Huck
- Philip Lewis Hersch, New York, N. Y.; B.A. (Queens College); M.A.; *Economics*; Dr. Donald O. Parsons
- Stephen Alden Hilliker, Albany, Vt.; B.S. (University of Vermont); M.S.; *Agricultural Education*; Dr. Lawrence H. Newcomb
- Joanne C. Hokes, Lakewood; B.S.; M.S. (University of Georgia); *Food Science and Nutrition*; Dr. Michael E. Mangino
- Cynthia Lynn Jackson, Atlanta, Ga.; B.A. (Spelman College); M.A. (Atlanta University); *Education*; Dr. James K. Duncan
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- Dorothy Goldsmith Jansma, Worthington; B.S. (University of Rhode Island); M.A. (University of Connecticut); *Education*; Dr. W. Frederick Staub
- John Richard Josephson, Columbus; B.S., M.S.; *Philosophy*; Dr. Ronald E. Laymon
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- Maureen Elizabeth Kelly, Newport, R. I.; B.S., M.S. (University of Massachusetts); *Comprehensive Vocational Education*; Dr. Joan E. Gritzmacher
- Renée Anita Kingcaid, Columbus; B.A. (Ohio Dominican College); M.A.; *Romance Languages and Literatures*; Dr. Pierre Astier
- Marc Kirschenbaum, Cleveland; B.A. (University of Cincinnati); M.S.; *Mathematics*; Dr. Young Chen Lu
- Mark Douglas Kittleson, Sherburn, Minn.; D.V.M. (University of Minnesota); *Veterinary Physiology and Pharmacology*; Dr. Robert L. Haulin
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- Louis John LaNunziata, Jr., Exeter, Pa.; B.S. (East Stroudsburg State College); M.Ed. (Bloomsburg State College); *Education*; Dr. John O. Cooper
- Jy-Jine Lin, Taiwan, Republic of China; B.Sc. (National Central University); M.S. (University of Tennessee); *Computer and Information Science*; Dr. Ming Tsau Lin
- Carole Pamela London, Flushing, N. Y.; B.S. (Simmons College); M.S.; *Home Economics*; Dr. Jean T. Snaak
- Marcia Gray Lover, Delaware; B.S.Ed. (Kent State University); M.A.; *Education*; Dr. Anthony G. Porveca
- Robert Harlan Lubbers, Paullina, Ia.; B.S., M.S. (Iowa State University); *Nuclear Engineering*; Dr. Shoichiro Nakamura
- Robert Donald Mack, Jr., Washington C. H.; B.Met., M.S.; *Metallurgical Engineering*; Dr. Digby D. Macdonald
- Richard Eugene Mague, Columbus; B.S. (Clarion State Teachers College); M.A.; *Education*; Dr. Joseph J. Quaranta, Jr.
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- David Paul Marcinkowski, Boonville, N. Y.; B.S. (Cornell University); M.S.; *Dairy Science*; Dr. Thomas M. Ludwick
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- Ernest Charles McNealey, Chicago, Ill.; B.S. (Alabama State University); M.A.T. (Indiana University); *Art Education*; Dr. Arthur Efland
- Deloris Lori Bell Mick, Blacksburg, Va.; B.A. (Drake University); B.A. (Iowa State Teachers College); M.A.; *Education*; Dr. W. Frederick Staub
- David Eugene Miller, Columbus; B.A. (Cedarville College); M.S. (Indiana University); *Home Economics*; Dr. Barbara M. Newman
- Garen Kiliton Milton, Centerville, Ia.; B.A. (Olivet Nazarene College); M.A. (University of Northern Iowa); *Music*; Dr. Jere L. Forsythe
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- William Jackson Napier, Loudon, Tenn.; B.A. (Maryville College); M.S. (University of Tennessee); M.P.A. (University of Alabama); *Political Science*; Dr. Aage R. Clausen
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- Charles Francis O'Connell, Jr., Buffalo, N. Y.; B.A. (Canisius College); M.A.; *History*; Dr. Allan R. Millett

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- Edward Wayne Osborne, Independence, Va.; B.S., M.S. (Virginia Polytechnic Institute and State University); *Agricultural Education*; Dr. Larry E. Miller
- Chimezie A. B. Osigweh, Ejemekwuru-Owerri, Imo State, Nigeria; B.S. (East Tennessee State University); M.A., M.L.H.R.; *Political Science*; Dr. Chadwick F. Alger
- Sharla Kay Overton, Allerton, Ia.; B.S. (Southwest Baptist College); *Biochemistry*; Dr. George S. Serif
- Eloise Suzanne Owens, Rocky River; B.A. (Miami University); M.A. (College of William and Mary); *English*; Dr. Daniel R. Barnes
- James Edwin Owers, Caterbury, New Zealand; B.Com., M.Com., B.Sc. (University of Caterbury); M.A.; *Business Administration*; Dr. Andrew H. Chen
- Rong-Long Pan, Tainan, Republic of China; B.S.Agr. (National Taiwan University); M.S. (Wayne State University); *Biochemistry*; Dr. Elizabeth L. Gross
- Binayak Panda, Baripada Orissa, India; B.Tech. (Indian Institute of Technology); M.S.; *Metallurgical Engineering*; Dr. Paul G. Shewmon
- Kenneth Lee Pavkov, Westerville; B.S., M.S.; *Anatomy*; Dr. Ronald L. StPierre
- Charles Edward Pendley, II, Dayton; B.S., M.S. (Wright State University); *Physiological Chemistry*; Dr. Lloyd A. Horrocks
- Judith Claugus Penrod, Columbus; B.S.; M.S.W. (University of Southern California); *Social Work*; Dr. Robert M. Ryan
- Carlos Alberto Perez-Silva, Valencia, Venezuela; Ingeniero Mecanico (Universidad Central De Venezuela, Caracas, Venezuela); M.A.; *Interdisciplinary: Economics, Education and Public Administration*; Dr. Donald P. Saunders
- William David Peters, Columbus; B.S. (Saint Mary's College of Maryland); M.S.; *Zoology*; Dr. Thomas Grubb, Jr.
- Debra Hallock Phillips, Columbus; B.S.Ed., M.A.Ed. (Miami University); *Education*; Dr. Kevin A. Ryan
- Nancy Gaines Platt, Columbus; A.B. (Vassar College); M.Ed. (Harvard University); *Education*; Dr. Sharon E. Fos
- Manuel Pomales, Jr., Ashtabula; B.S. (Central State University); M.Ed. (Bowling Green State University); *Education*; Dr. Anthony C. Riccio
- Eva Kay Pound, Newark; B.S., M.A.; *Education*; Dr. Otto Santos, Jr. and Dr. Anthony A. Olinzock
- William Claude Pursch, Dayton; A.B. (Gettysburg College); M.S. (University of Southern California); *Education*; Dr. William H. Dowling
- James Joseph Quattrochi, Abington, Pa.; B.S. (Syracuse University); M.S.; *Pathology*; Dr. Allan J. Yates
- Sheron Loretta Randolph, Nashville, Tenn.; B.S., M.S. (Tennessee State University); *Agricultural Economics and Rural Sociology*; Dr. William L. Flinn
- Patrick Dennis Reagan, Gambier; B.A. (Kenyon College); M.A.; *History*; Dr. Robert H. Bremner
- Jo Ann Marie Recker, Cincinnati; B.A. (Edgewell College); M.A.; *Romance Languages and Literatures*; Dr. Charles G. S. Williams
- Shirley Heather Maxwell Reekie, Manchester, England; B.Ed. (University of Liverpool); M.A. (University of Leeds); *Physical Education*; Dr. Bruce L. Bennett
- Eleanor Elvira Mannino Reibel, Columbus; B.S. Nur. (University of Pennsylvania); M.S.; *Education*; Dr. William D. Dowling
- James Keith Roberts, Pascagoula, Miss.; B.S. (University of South Alabama); M.S.W. (University of Southern Mississippi); M.A.; *Social Work*; Dr. Robert O. Washington
- Thomas Rollins, Delaware; B.A. (Ohio Wesleyan University); M.A.; *Psychology*; Dr. Theodore J. Kauf
- Peggy Johnston Ross, Annandale, Va.; B.S., M.A. (Mississippi State University); *Agricultural Economics and Rural Sociology*; Dr. William L. Flinn
- Paula Jane Rossi, Columbus; B.S. (University of Cincinnati); *Chemistry*; Dr. Richard L. McCreery
- David Jerome Rypka, Naperville, Ill.; B.A. (Saint Olaf College); M.S.; *Computer and Information Science*; Dr. Ming T. Liu and Dr. Dennis W. Leinbaugh
- Ruperto Sierra Sangalang, Indang, Cavite, Philippines; B.Sc. (Don Severino Agricultural College); M.Sc. (University of the Philippines at Los Banos); *Agricultural Economics and Rural Sociology*; Dr. David O. Hansen
- Lawrence Clifford Schourup, Columbus; B.A. (University of California at San Diego); M.A.; *Linguistics*; Dr. Arnold M. Zwicky
- Chin Chi Shan, Hong Kong; B.S., M.Phil. (Chinese University of Hong Kong); M.S., M.S.; *Mathematics*; Dr. Ranko Bojanic
- Patrick Edward Shields, Chicago, Ill.; A.B. (University of Illinois at Chicago Circle); M.A.; *Political Science*; Dr. Rossall B. Ripley
- John Allan Shwed, Philadelphia, Pa.; B.S. (University of Scranton); M.S.S.A. (Case Western Reserve University); M.A. (University of New Hampshire); *Social Work*; Dr. Richard R. Medkurst
- Edward Gerald Singer, Ney; B.A. (University of Notre Dame); M.S.; *Agricultural Economics and Rural Sociology*; Dr. William L. Flinn
- Yahia Besheer Sirag, Khartoum, Sudan; B.Sc. (University of Khartoum); M.S. (University of Wisconsin); *Agronomy*; Dr. Miller B. McDonald, Jr., Dr. Jay W. Johnson and Dr. John L. Purson
- Lawrence Warren Snee, Columbus; B.S. (Florida State University); M.S.; *Geology and Mineralogy*; Dr. John F. Sutter
- Anilkumar Daniel Solanki, Yavatmal Mana, India; B.Div. (Union Biblical Seminary); M.Theology (United Theological College); M.A.; *Education*; Dr. Lucene L. Cunningham
- Kathy Lynn Stafford, Tipp City; B.A. (Kent State University); M.S.; *Public Administration*; Dr. Arthur D. Lynn, Jr.
- Ronald Keith Stephens, Columbus; B.S. (Cumberland College); M.A.; *Education*; Dr. Thomas M. Stephens
- Carolyn Ann Stimel, Delaware; B.S., M.A.; *Psychology*; Dr. Lyle D. Schmidt
- Rosa Florence Goldshine Stolz, Columbus; B.Mus. (Boston University); M.A.; *Music*; Dr. William Palaud
- Joseph Scott Streb, Columbus; B.S., M.A.; *Art Education*; Dr. Kenneth A. Marantz
- Shirley Marie Stretch, Lubbock, Tex.; B.S. (University of Nebraska); M.S. (Kansas State University); M.B.A.; *Home Economics*; Dr. Mary Lapitsky
- Donna Jean Terbizan, Novelty; B.S. (Cleveland State University); M.A.; *Physical Education*; Dr. Robert L. Bartels
- Robert John Ternansky, Cleveland; B.S. (John Carroll University); *Chemistry*; Dr. Leo A. Paquette
- Marielle G. Tousignant, Quebec, P.Q. Canada; Licence, Maitrise (Universite Laval); *Physical Education*; Dr. Daryl Siedentop
- Robert Donley Townsend, Cincinnati; B.A. (Otterbein College); M.A.; *Education*; Dr. Robert E. Roth

Irene Tachismadia, Cleveland; B.S., M.S. (John Carroll University); *Anatomy*; Dr. G. Adolph Ackerman

Edward Reed Turnbull, Lancaster; B.A. (Kenyon College); M.A.; *Philosophy*; Dr. James P. Scanlan

Robert Forrest Vieth, Columbus; B.S.Ed. (Millersville State College); M.A. (Glassboro State College); *Education*; Dr. James J. Buffer, Jr.

Robert David Vincent, South Euclid; A.B. (Washington University); M.S.; *Molecular, Cellular and Developmental Biology*; Dr. Philip S. Perlman

John Bennett Weaver, Tipp City; B.A. (Wright State University); M.A. (University of North Carolina); M.L.S. (Indiana University); *History*; Dr. Merton L. Dillon

David Stafford Weber, Toledo; B.A. (Mount Union College); M.A. (Miami University); *History*; Dr. Donald B. Cooper

Clarence Dean White, Wartburg, Tenn.; B.S., M.S. (University of Tennessee); *Comprehensive Vocational Education*; Dr. Anthony G. Porreca

Teresa Emily Wilhelm, Ada; B.S. (Dickinson College); *Physiological Chemistry*; Dr. Howard W. Sprecher

Lynda Kay Wolfe, Columbus; B.A. (Oberlin College); M.A.; *Psychology*; Dr. Nancy E. Betz

Mohamed Awadalla Yassin, Khartoum, Sudan; M.S. (University of Khartoum); B.Sc. (University of Hawaii); *Agronomy*; Dr. Leo E. Bendixen

Donald Duane Yoder, Mediapolis, Ia.; B.A. (Iowa State University); M.A. (University of Nebraska); *Communication*; Dr. Victor D. Wall, Jr.

Deborah Ann Young, Vandergrift, Pa.; B.S. (Pennsylvania State University); M.S.; *Microbiology*; Dr. Frank W. Chorpennig

Linda Patricia Young, Farmington Hills, Mich.; B.A. (Oakland University); M.M. (Michigan State University); *Music*; Dr. A. Peter Costanza

Jane Ann Zaharias, Garfield Heights; B.S.Ed., M.Ed. (Cleveland State University); *Education*; Dr. Maia P. Mertz

Steven E. Zartman, Springfield; B.A., M.A.; *Education*; Dr. Judy Genshaft

Karen F. Zuga, Vienna; B.A., M.A. (Kent State University); *Education*; Dr. Willis E. Ray

Master of Accounting

David Borker, Columbus; A.B. (Cornell University); Ph.D. (Yale University); *Accounting*

Alfredo Sotomayor Ramos, Cabo Rojo, Puerto Rico; B.S.B.A. (University of Puerto Rico); M.B.A.; *Accounting*

Master of Applied Statistics

Joseph Anthony Damico, Columbus; B.A., B.S.Ed.; *Statistics*

Mary Elizabeth Little, Bismarck, N. D.; B.A. (Moorhead State University); *Statistics*

Carol Lee Stone, Columbus; B.A. (Ohio Wesleyan University); *Statistics*

Karen Lynn Wales, Poland; B.S.; *Statistics*

Master of Architecture

Gary James Alexander, Columbus; B.A. (University of Notre Dame); B.S.Arch.; *Architecture*

Brad Anthony Erdy, Columbus; B.S.Arch.; *Architecture*

Ernest Roko Gaal, Columbus; B.S.Arch.; *Architecture*

Roy L. Gunsolus, Tonawanda, N. Y.; B.S.Arch., B.S. (State University of New York at Buffalo); *Architecture*

John Martin Hauser, Fairlawn, N. J.; B.S.Arch.; *Architecture*

David Gerald LaComb, Utica, N. Y.; B.Sc. Architecture (The Catholic University of America); *Architecture*

Akira Okochi, Omiya, Japan; B.S. (Waseda University); *Architecture*

Boluwaji Ademola Oluwadiya, Okemesi-Ekiti, Nigeria; B.Arch. (New York Institute of Technology); *Architecture*

Harjeet Singh Sehmi, Nairobi, Kenya; B.Arch. (University of Nairobi); *Architecture*

Master of Arts

Takako Aikawa, Nishio-shi, Japan; B.A. (Tsuda College); *East Asian Languages and Literatures*

Susan Kay Andaloro, North Canton; B.S.Ed.; *Education*

Donna F. Anderson, Columbus; B.S.; *Education*

Anne Bennett Andrien, Columbus; B.A.; *Public Administration*

Maria Therese Annoni, Duluth, Minn.; B.A. (College of Saint Scholastica); *Music*

Lori Anstine, Columbus; B.S.Ed. (Ohio University); *Education*

Thomas Lee Armstrong, Shelby; B.S.Ed.; *Public Administration*

Marilyn Werstiuk Baehr, Galion; B.S. (Ashland College); *Education*

Ronald Lee Baker, St. Louisville; B.S.Ed.; *Education*

Elmer Ray Baldrige, Mansfield; B.S.Ed.; *Education*

Cynthia Louise Balikowski, East Aurora, N. Y.; B.A. (State University of New York at Buffalo); *Journalism*

Bacneline Sue Barlow, Appleton, Wis.; B.M. (Lawrence University); *Music*

Kathi Lynn Barnett, Mount Gilead; B.S.Ed.; *Education*

Christine Ann Beer, Sterling, Ill.; B.A. (University of Illinois); *German*

Nancy Bellantone, Boston, Mass.; B.A. (Connecticut College); *Dance*

Joan Bence, Delaware; B.A. (Ohio Wesleyan University); *Anthropology*

Jorothy Fegley Benke, Palo Alto, Calif.; B.A.; *English*

Alisa Bental, Haifa, Israel; B.Sc. (State University of New York at Brockport); *Physical Education*

Peggy Jean Benziger, Waldo; B.S.Ed.; *Education*

Eric Henry Beversluis, Grand Rapids, Mich.; B.A. (Calvin College); M.A., Ph.D. (Northwestern University); *Economics*

Barbara Leslie Bimber, Cincinnati; B.A.; *Communication*

David Lloyd Binder, Whitestone, N. Y.; B.A. (State University of New York at Stony Brook); *Psychology*

Randal Jon Bishop, Grand Rapids, Mich.; B.S. (Michigan State University); *Physical Education*

John Samuel Boquist, Youngstown; B.A. (Mount Vernon Nazarene College); *Music*

Lori Jo Borden, DuBois, Pa.; B.Music (Pennsylvania State University); *Music*

Olga Lucia Borrer; B.A.; *Education*

Ann Louise Bossard; B.S.Ed. (Kent State University); *Education*

Willie Clemmon Boston, Orangeburg, S. C.; B.A. (South Carolina State College); *Theatre*

Nancy Donna Boyden, Coshocton; B.S. (Ohio University); *Education*

Linda Sue Brady, Eugene, Ore.; B.A. (University of Oregon, Eugene); *History of Art*

Timothy Charles Bray, Augusta, Maine; B.A. (Gordon College); *Education*

Jeffrey Roger Bright, Columbus; B.S. (Morehead State University); *Education*

- Victor Garrett Brown, Cincinnati; B.A. (Fisk University); *Black Studies*
- Beth Ann Bruckert, Elkhart, Ind.; B.A. (North Central College); *Education*
- Thomas Lawrence Burns, Columbus; B.A. (College of Wooster); *English*
- John Michael Camuso, Youngstown; B.S. (Ohio University); *Music*
- Mary Colleen Cashman, Columbus; B.S.; *Physical Education*
- Clifford Randal Cass, Newark; B.S.Ed.; *Education*
- Leng Sim Chin, Petaling Jaya, Malaysia; B.S.Ed.; *Physical Education*
- Mei-Lie Chu, Taipei, R.O.C.; B.A. (National Taiwan University); M.B. (National Chengchi University); *Economics*
- Lauren M. Clapham, Columbus; B.S.H.E.; *Education*
- Bradley K. Clark, Worthington; (Bowling Green State University); *Education*
- Myra Dawn Clark, Columbus; B.S.Ed.; *Education*
- Mary Margaret Cochran, Heath; B.S. (Miami University); *Education*
- Susan Jayne Cole, Columbus; B.F.A. (Kent State University); *Art Education*
- Sally Linda Connor, Columbus; B.S.Ed.; *Education*
- Thomas James Conrad, Worthington; B.A.; *Public Administration*
- Walter Jordan Cooner, Jr., Little Rock, Ark.; B.A. (Emery University); *History*
- Jane Ann Cooper, Grove City; B.S.; *Education*
- Timothy Paul Corral, Ashland; B.S.; *Physical Education*
- Kathleen Francis Crocco, Columbus; B.A. (Ohio Dominican College); *Education*
- Jennie Marjorie Cross, Niles; B.S. (Saint Louis University); M.S.; *Physical Education (Health Education)*
- Susan Elaine Cross, Houston, Tex.; B.S. (Texas Agricultural and Mechanical University); *Education*
- Edward William Dadez, Newport News, Va.; B.S. (Virginia Commonwealth University); *Education*
- Frances Daly, Chicago, Ill.; (College of the Holy Cross); *Education*
- Gary Joseph Danchak, Cleveland; B.A. (Kenyon College); *Journalism*
- Sharon Swinehart Dawson, Columbus; B.S.Ed. (Ohio University); *Physical Education (Health Education)*
- William Royer Decatur, Columbus; A.B. (Miami University); *Public Administration*
- Diane Yona DeFries, Washington, D. C.; B.A. (American University); *Dance*
- Samuel R. Dettra, Marion; B.A., B.S.Ed.; *Public Administration*
- Jeffrey Reed DeVore, Columbus; B.S.Bus.Adm.; *Public Administration*
- Charles P. DeWitt, Towanda, Pa.; B.A. (Saint Olaf College); *Education*
- James Raymond DeWitt, Hopewell Junction, N. Y.; B.S. (State University of New York College at Geneseo); *Education*
- Robert Joseph DeWood, Columbus; B.S. (Bowling Green State University); *Public Administration*
- Sandra Jane Dickinson, Omaha, Neb.; *Political Science*
- Joseph Gregory DiGregorio, Oswego, N. Y.; B.A. (State University of New York at Oswego); *Philosophy*
- Andrew James DiSabato, Columbus; B.S.Ed.; *Physical Education*
- Barbara Block Disethorst, Hamilton; B.A. (Capital University); *Education*
- Carol Derrer Dodge, Columbus; B.S.Ed.; *Education*
- Karen Sue Dorman, Erie, Mich.; B.A. (Adrian College); *Education*
- Margaret Jo Downer, Youngstown; B.S.Ed.; *Education*
- Linda Jean Dudick, Gahanna; B.S.E. (Miami University); *Education*
- Deborah Dunnell, Northport, N. Y.; B.A. (Washington University); *Dance*
- Deborah Anne Dunne-Sousa, Wantagh, N. Y.; B.M. (The University of Rhode Island); *Music*
- Karla Jean Durtschi, Columbus; B.S.Ed.; *Education*
- Alan Dale Eakins, Springfield; B.A. (Taylor University); *Education*
- Nancy Anne Edie-Hattery, Columbus; B.S.Ed.; *Education*
- Edward J. Elberfeld, Columbus; B.A. (Otterbein College); M.A.; *Photography and Cinema*
- Gregg Lance Ellis, Columbus; B.A. (University of Cincinnati); *Romance Languages and Literatures*
- William James Ensign, Columbus; A.B., M.A. (University of Notre Dame); *Political Science*
- Rose Ellen Faeges, Cleveland Heights; B.A.; *Public Administration*
- Dennis Robert Fahringer, Toledo; B.A. (University of Toledo); *English*
- Linda L. Fannin, Woodburn, Ind.; B.S. (Wittenberg University); *Education*
- M. Candace Feek, Dublin; B.A. (Webster College); *Dance*
- Jeffrey Fecko, Pickerington; B.A.; *Romance Languages and Literatures*
- David B. Fletcher, Barrington, R. I.; B.A. (Ohio Wesleyan University); *Journalism*
- Neil Howard Frank, Columbus; B.A. (Capital University); *Education*
- David Gerald Friedlander, Jr.; B.A.; *Communication*
- Nancy L. Frontz, Mansfield; B.S.; *Education*
- Christine N. Gerber, Columbus; A.B. (Dunbarton College of the Holy Cross); *Education*
- Kathy Ellen Germann, Napoleon; B.A.; *Education*
- Karen Lee Gilbert, Columbus; B.A.; *History*
- Lorraine Stein Gilbert, Columbus; B.S.; *Education*
- Penelope Anne Goggin, Oxford; B.S. (Indiana University); *Education*
- Robert Martin Goldring, Orrville; B.A.Jour.; *Physical Education*
- David Scott Goldstein, North Miami Beach, Fla.; B.A. (University of Florida); *Psychology*
- Anne Louise Gorman, Columbus; B.M.E.; *Music*
- Toni Lynn Greenslade, Bedford; B.A. (Hiram College); *Education*
- Sarah Louise Griese, Newton, Mass.; B.A. (Wittenberg University); *Education*
- Martha Dillon Grim, Columbus; B.S. (Ohio University); *Education*
- Louis Burkhardt Haas, Evansville, Ind.; B.A. (Indiana State University, Evansville); *History*
- Dawn L. Hackett, Columbus; B.S.Ed.; *Education*
- Cynthia Lou Haidle, Elida; B.A. (Ohio Northern University); *Public Administration*
- James Philip Hall; B.A.; *Romance Languages and Literatures*
- Ernest Wilson Hallford, Columbus; A.B. (University of New Orleans); B.A. (University of Alabama); *Psychology*
- Richard Lauren Harmon, Alexandria, Va.; B.S. (American University); *Economics*

- Paul H. Herbert, Galena, Ill.; B.S. (United States Military Academy); *History*
- Thomas Hayes Holden, Grandview Heights; B.S.Ed.; *Physical Education*
- Arnold Holmes, Mansfield; B.F.A.; *Education*
- Michael Gary Hoover; B.A.; *Education*
- Eunice Ellen Hornsby, Riverside, Calif.; (California State University, Chico); *Education*
- M. Delores Huff, Columbus; B.S. (Wright State University); *Education*
- Nam-Sung Huh, Seoul, Republic of Korea; B.S. (Korea Military Academy); B.A. (Seoul National University); *History*
- Chang-Soo Hur; B.B.A. (Seoul National University); *Business Administration*
- Kathleen Hutchison, Pittsburgh, Pa.; B.S. (The Pennsylvania State University); *Communication*
- William Allen Hyman, Freehold, N. J.; B.A. (Muhlenberg College); *Education*
- Ay-Yuh Jeng, Taipei, R.O.C.; B.A. (National Chengchi University); *Economics*
- Billee Jo Jiménez; B.S.; *Education*
- Janet Evelyn Johnson, Gallipolis; B.S.Ed.; *Education*
- Patrick Ray Johnson, Columbus; B.A. (University of San Diego); *Psychology*
- Ding-Tsong Jou, Taipei, R.O.C.; B.S.E. (National Cheng Kung University); *Industrial Design*
- Lori Kagan-Moore, Columbus; B.G.S. (University of Michigan); M.S.W.; *Public Administration*
- Volker Kaiser, Waltrop, Federated Republic of Germany; Staatsexamen (Rheinische Friedrich-Wilhelms Universität); *German*
- Chi-Ming Kan, Hong Kong; B.A. (University of Hong Kong); *Industrial Design*
- Keith Christopher Karamarkovich, Springfield, Va.; B.A. (James Madison University); *Slavic and East European Languages and Literatures*
- Michael Floyd Kardash, Stillwater, N. Y.; (State University of New York at Cortland); *Physical Education*
- Judith Anne Kell, Columbus; B.A. (Miami University); *Slavic and East European Languages and Literatures*
- Amy Jo Kepple, Springfield; B.A. (Capital University); *German*
- Linda Sue Kerns, Fremont; B.A.; *Public Administration*
- Slobhan Kerrigan, Riverside, Conn.; B.A. (Denison University); *Education*
- Susan Gail Kestner, Brecksville; B.S., M.S.; *Education*
- Jung-sook Kim, Seoul, Korea; B.A. (Chung-Ang University); *Education*
- Mary Anne King, Coshocton; B.S. (Ashland College); *Education*
- Marjorie W. Klingensmith, Powell; B.S.; *Physical Education*
- Nadine Sue Koch, Columbus; B.S. (San Diego State University); *Political Science*
- Patricia Elaine Koerner, Edgerton; B.Mus.Ed.; *Education*
- Raman Kutty Kozhikot Veetil, Ponani, India; B.Sc. (Kerala University); *Photography and Cinema*
- Paul Robert Laird, Columbus; B.Mus.Ed.; *Music*
- Mary Shannon Lalley, Cincinnati; B.A., B.S.; *Anthropology*
- Elizabeth Grace Larew, Columbus; B.A. (Stephens College); *Education*
- Wanda Lynn Lassiter, Fayetteville, N. C.; B.S.; *Psychology*
- Nancy Lou Laughbaum, Bucyrus; B.S.Ed.; *Education*
- Larry Stanley Layne, Columbus; B.S.Soc.Wel.; *Black Studies*
- John Kelly Lear, Streetsboro; B.A.; *Education*
- Vicki Gardner Lefevre, Delaware; B.S.Ed.; *Education*
- Penelope Marie Lengyel, Reynoldsburg; B.S.Soc.Wel.; *Education*
- Victor Leone, Youngstown; B.F.A. (Youngstown State University); *Industrial Design*
- Patti Ingrid Lind-Toledo, Boise, Idaho; (Boise State University); *Communication*
- Dorothy Rebecca Link, Columbus; A.B. (Morehead State University); *Education*
- Paraskevi Mamali, Greece; B.S.W. (Findlay College); *Education*
- Daniel Elroy Marshman, Galion; B.S. (Andrews University); *Education*
- Luis R. Martinez, Bogotá, Colombia; Architect (National University); *Public Administration*
- Bruce Edward McCutcheon, Columbus; B.A. (College of William and Mary); *Physical Education*
- Janette Elaine McDonald, Vincent; B.A. (Otterbein College); *Education*
- Robin Story McKell, Columbus; B.A.; *History of Art*
- Lawrence West McLaine, Rockville, Md.; B.S. (Ohio University); *Physical Education*
- Michael L. Medley, Columbus; B.A. (Bellarmine College); *Education*
- Denise Thea Merino, Columbus; B.A.Jour.; *Journalism*
- Darrell Lee Miller, Jr., Columbus; B.A. (Otterbein College); *Physical Education*
- David Michael Miller, Columbus; B.A.; *Education*
- Randall Lee Minnehan, Columbus; B.F.A.; *Photography and Cinema*
- Tae Kyung Moon, Newark, Del.; B.A. (University of Delaware); *Psychology*
- Barbara A. Moore; B.A. (Capital University); *Education*
- Patricia E. Muir, Granville; B.S. (Bowling Green State University); *Education*
- Abir Kumar Mullick, New Delhi, India; (National Institute of Design); *Industrial Design*
- Jane Kay Nagi, Dublin; B.A.; *Anthropology*
- Laurie Lynne Nattkemper, Massillon; B.A.; *Communication*
- Jennifer Newton, Eden, N. C.; B.A. (University of North Carolina at Chapel Hill); *Education*
- Janice Marie Niesz, Columbus; B.S.Nurs. *Physical Education (Health Education)*
- Dale Bernard Norris, Columbus; B.S. (Kent State University); *Public Administration*
- Janet Louise Oliver, Cincinnati; A.B. (Indiana University); *Political Science*
- Vicky Lorraine Ottman, Groveport; B.A. (Marietta College); *Education*
- Billette DuVail Owens, Atlanta, Ga.; (Clark College); *Physical Education*
- Larry Steven Paarberg, West Lafayette, Ind.; B.A. History (Purdue University); *Interdisciplinary: Architectural Studies*
- John Richard Pannabecker, Columbus; B.A. (Bluffton College); Ph.D. (Case Western Reserve University); *Education*
- James David Pappenhagen, Gambier; B.A. (Mount Union College); *Education*
- Dong-Sook Park, Seoul, Korea; B.A. (Ewha Woman's University); *Communication*
- Fulmee Park, Seoul, Korea; B.M. (Seoul National University); *Music*
- Andrew Lewis Patterson, Circleville; B.A. (Ashland College); *Education*
- Clio Cathryn Pavlantis, Gettysburg, Pa.; B.A. (Bard College); *Dance*
- Karen Sue Payne, Rochester, N. Y.; B.A. (Boston College); *Psychology*

- Dian D. Perrin, Cleveland; B.S.; *Physical Education*
- Arliss Stephen Perry, West Milton; B.A. (Wright State University); *Geography*
- Janice-Marie McDonald Phillips, Jamestown, N. Y.; B.A. (Wittenberg University); *Romance Languages and Literatures*
- Ronald Brian Phillips, Cedarville; B.A. (Cedarville College); *Journalism*
- Carolyn Elaine Philpott, Worthington; B.S.Ed. (Miami University); *Anthropology*
- Lawrence Edward Pieratt, Westerville; B.S.; *Education*
- David Pilgrim, Mobile, Ala.; B.A. (Jarvis Christian College); *Sociology*
- Brian Douglas Plamondon, McLean, Va.; B.S. (Virginia Commonwealth University); *Psychology*
- William David Porterfield, Timberlake, N. C.; B.A. (University of North Carolina at Chapel Hill); *Education*
- Cheryl Lynne Powers, Columbus; B.A.; *Political Science*
- Brian Thomas Quinn, Buffalo, N. Y.; (University of Florida); *Slavic and East European Languages and Literatures*
- Cynthia Ann Raines, Columbus; B.A.; *Education*
- Margaret Jean Rausch, Columbus; B.A.; *History*
- Charles Richard Ray, Hilliard; B.S.Ed.; *Education*
- Byron Marvin Richard, Toledo; B.F.A.; *Dance*
- Linda Marie Rieser, Dayton; B.A.; *Communication*
- Ann M. Rinehart, Lexington; B.S.Bus.Adm.; M.B.A. (George Mason University); *Education*
- Anne Franklin Roberts, Belpre; B.S.H.E.; *Education*
- Charles Darrel Robertson, Las Vegas, Nev.; B.A. (University of Utah); *Education*
- Janice Lee Roerig, Montpelier; B.S.Ed.; *Education*
- Kathleen Jo Romano, Mansfield; B.S. (Miami University); *Education*
- Don Harris Rosenblum, Silver Spring, Md.; B.A. (University of Maryland—College Park); *Education*
- Nina F. Roslovic, Columbus; B.S.Bus.Adm.; *Business Administration*
- Eric Walter Rothenbuhler, Worthington; B.A.; *Communication*
- Ann Maria Rotondi, Ardmore, Pa.; B.S.; *Education*
- Jing-Tsyr Delphine Ruey, Taipei, R.O.C.; B.A. (National Taiwan University); *Economics*
- Beverly Kihlken Ruff, Columbus; B.S.; *Journalism*
- Robert Gordon Rusiska, Mansfield; B.S.Ed.; *Education*
- Sandra Anne Carkin St. Martin, Groton, Mass.; B.A. (Iowa State University); *Anthropology*
- Harlan Michael Sanders, Dayton; B.F.A.; *Art Education*
- Yasunobu Sawada, Nishinomiya, Japan; B.E. (University of Tokyo); *Education*
- Donna Jean Schellhammer, Columbus; B.A. (Clarion State College); *Education*
- Gretchen Leslie Scheu, Bay Village; (Bucknell University); *Education*
- Dawn Ellen Schrader, Cincinnati; B.A. (Miami University); *Education*
- Dawn Elaine Schwind, Cincinnati; B.S. (Denison University); *Communication*
- Christine Ann Scodari, Rockville, Md.; B.A. (University of Maryland); *Communication*
- David John Scott, Plain City; B.S.Agr.; *Education*
- Thomas Edward Seggie, Westlake; B.A. (Centre College); *English*
- Mona Ann Serotta, Chattanooga, Tenn.; *Communication*
- William Irving Shade, Columbus; B.Art Ed.; *Black Studies*
- Mark Clifford Shelberg, Buffalo, N. Y.; B.A. (State University of New York at Buffalo); *Geography*
- Kay Ellen Shiflet, Columbus; B.S.Ed.; *Education*
- Mary T. Sidman, Worthington; B.A. (Notre Dame College for Women); *Education*
- Debra Lin Singer, Columbus; B.S.; *Industrial Design*
- David Barry Small, Columbus; B.A. (Ohio University); *Education*
- Douglas Edward Smith, Zanesville; B.S. (Wilmington College); *Physical Education*
- Lynn Anthony Smith, Edon; B.A.; *Physical Education*
- Mary Margaret Snow, Parma; B.S. (Steubenville University); *Education*
- Gary H. Sousa, Weston, Conn.; B.Music (The University of Rhode Island); *Music*
- Donna Lynn Stark; B.A.; *Education*
- Deborah Hanshaw Steiner, Columbus; B.S. (Lebanon Valley College); *Journalism*
- David Lawrence Stevenson, Columbus; B.A.; *Public Administration*
- Ronnie Stewart, Mobile, Ala.; B.S. (Tuskegee Institute); *Sociology*
- Robert William Stoll, Columbus; B.A. (Marietta College); *Physical Education*
- Garry Brooks Stone, Cambridge; B.S. (Bowling Green State University); *Economics*
- Mary Frances Stone, Delaware; B.S. (Indiana University of Pennsylvania); *Communication*
- Donald Larry Stredney, Ashtabula; B.S., B.A.; *Art Education*
- Kathy Jean Sutehall, Angola, N. Y.; B.M. (State University of New York at Fredonia); *Education*
- James David Swartz, Columbus; B.A. (Kent State University); *Education*
- Roberta Irene Sweet, Madison, Wis.; B.S. (University of Wisconsin—Madison); *Education*
- Gerard Joseph Tankovich, Columbus; B.S.Ed.; *Education*
- Mark Timothy Tappen, Toledo; B.A. (University of Toledo); *Education*
- Robin Harris Taylor, Columbus; B.A.; *Dance*
- Diane Jane Tedick, Bath; B.A. (Kent State University); *Education*
- Timothy Lee Thickstun, Columbus; *Journalism*
- Richard J. Thoden, Dublin; B.A. (University of Virginia); *Public Administration*
- Jeffrey Crawford Thomas, Penfield, N. Y.; B.A.; *English*
- Randi Palmer Tolley, Columbus; B.S. (Kent State University); *Communication*
- Karen Lee Tura, Cleveland; B.S.Ed.; *Education*
- Marlene Elizabeth Turner, Wilmington, Del.; B.A., B.S. (University of Delaware); *Dance*
- Kathleen Susan Vaughan, Cincinnati; B.S.; *Education*
- Linda Marie Von Hoene, Ho-Ho-Kus, N. J.; B.A. (State University of New York at Binghamton); *German*
- Kuo-Liang Wang, Tainan, R.O.C.; B.L. (National Chengchi University); *Economics*
- James Walter Warhola, Amherst; B.A. (Ohio Northern University); *Political Science*
- Katsuhiko Watanabe, Tokyo, Japan; B.S.; *Business Administration*
- Katsuhiko Watanabe, Tokyo, Japan; B.S.; *Economics*

Royal Charles Webster, St. Louis, Mo.; B.S. (Michigan State University); *Geography*

Gabriele Walburga Weinberger, Passau, West Germany; Zwischenprüfung, Staatsexamen (Universität Regensburg); *German*

Mildred Manuel West, Ashville; B.S.; *Education*

Philip Jean-Louis Westfall, Reynoldsburg; B.S. (Ohio University); *Education*

Christine Ann Whitlock, Portland, Mich.; B.A. (Michigan State University); *Education*

Sharon Erna Williams, Columbus; B.A.; *English*

Harold Edwin Wilson, Jr., Columbus; B.A.; *Physical Education*

Valerie L. Wilson, Circleville; B.A. (Miami University); *Education*

Eric Alan Wise, Columbus; B.S.; *Public Administration*

Diana McVey Wood, Columbus; B.S.Ed.; *Education*

William Joseph Woods, Columbus; B.A. (Niagara University); *Psychology*

Lucia Anne Wooley, Columbus; B.A. (University of Akron); *Dance*

Maribelisa Yordan, Ponce, Puerto Rico; B.S. (Ohio Dominican College); *Education*

James Larry York, Rio Grande; B.S.Bus.Ad.; *Education*

Linda Lang Yost, Columbus; B.S. (Ohio University); *Education*

Master of Business Administration

Stratos J. Adalis, B.S. (The American College of Greece); *Business Administration*

Layiwola Anthony Adigun, Benin, Nigeria; *Business Administration*

Richard Paul Bersnak, Worthington; B.S. (Ohio University); *Business Administration*

Randall Lee Besecker, Arcanum; B.S.Agr.; *Business Administration*

Daniel Bevan, III, Worthington; B.S.; *Business Administration*

Ravi Bhushan, Agra, India; B.Tech. (Indian Institute of Technology); M.S.; *Business Administration*

Timothy G. Bour, Cleveland; B.S. (University of Cincinnati); *Business Administration*

Michael Joseph Caron, Reading, Pa.; B.A. (University of Notre Dame); *Business Administration*

Sandra Kay Cheshire, North Canton; B.A. (Capital University); *Business Administration*

David L. Christensen, Freeport, Ill.; B.S. (Illinois State University); *Business Administration*

William Daniel Cooney, Cincinnati; B.A. (University of Virginia); *Business Administration*

Joseph Charles Cramer, Columbus; B.S. (Purdue University); *Business Administration*

Thomas M. Crews, Bay Village; B.A. (Capital University); J.D.; *Business Administration*

Mark Charles Cummins, Clinton; B.S.Bus.Ad.; *Business Administration*

Mark D. DeJeu, Sylvania; B.S. (Miami University); *Business Administration*

Pankaj Arun Doshi, Bombay, India; B.Tech. (Indian Institute of Technology); M.S.; *Business Administration*

Ronald Gene Dunn, Harrisburg, Ill.; B.A. (Southern Illinois University); *Business Administration*

Milton G. Ellenwood; B.S. (University of Illinois); *Business Administration*

Todd R. Emoff, Dayton; B.A. (Indiana University); *Business Administration*

Nicholas R. Enrick, Farmersville; B.M.E. (General Motors Institute); *Business Administration*

Robert George Eyers, Westerville; B.S. (University of Wisconsin—Oshkosh); *Business Administration*

Janet H. Fesq, Mount Vernon; B.A. (Pacific Lutheran University); M.A. (University of Oregon); *Business Administration*

Richard John Fetter, Columbus; B.A., M.S.W.; *Business Administration*

John Alter Forker, II, Columbus; B.S.I.S.E.; *Business Administration*

John Joseph Gainer, Columbus; B.S.Ed.; *Business Administration*

Matthew John Golis, Columbus; B.S.E.E., Ph.D.; *Business Administration*

Satiadi Halim, Jakarta, Indonesia; B.S.I.E. (Bandung Institute of Technology); *Business Administration*

Carol A. Harper, Marshall, Tex.; B.A. (Fisk University); *Business Administration*

Paul David Hill, Columbus; B.A. (Cedarville College); *Business Administration*

Peggy Lou Jensen; B.S. (University of Nebraska—Lincoln); *Business Administration*

Timothy Edward Jones, Columbus; B.A. (University of Virginia); J.D.; *Business Administration*

Edward Verl Kollogg; B.A. (Olivet College); *Business Administration*

Behzad Khosravi-Sichani, Mashad, Iran; B.S.M.E., M.S.; *Business Administration*

David Allen Kirkley; B.S. (Miami University); *Business Administration*

Toshio Kitajima, Kashiwa, Japan; B.B.A. (Kobe University); *Business Administration*

Richard M. Klein, Highland Heights; B.S.; *Business Administration*

Aruna N. Lalwancy, Worthington; B.S.; *Business Administration*

Teddy L. Langley, Plain City; B.S.E.E. (University of Kentucky); *Business Administration*

Marvin Ivo Langer, Dayton; B.B.A. (Wright State University); *Business Administration*

Judith J. Lavine, Baltimore, Md.; B.S.Bus.Ad.; *Business Administration*

Charles Earl Leyrer, Hamilton; *Business Administration*

Richard Keith Liggett, Dennison; B.M.E. (Cleveland State University); *Business Administration*

Nancy Ellen Long, Columbus; B.A. (Capital University); *Business Administration*

William Lehr Maholm, Columbus; B.S.Pharm.; *Business Administration*

Joan M. Mantor, Delaware; B.A. (Ohio University); *Business Administration*

Jerry Wayne Mapes; (Miami University); *Business Administration*

David Craig Martin; B.S.I.S.E.; *Business Administration*

Edward Philip Martin, Columbus; B.S.Bus.Ad.; *Business Administration*

John William Van Vroten McIntosh, Dallas, Tex.; B.S.Bus.Ad.; *Business Administration*

Monica Elizabeth McKay, Columbus; B.A. (Niagara University); *Business Administration*

Donald Joseph Muccino, Akron; B.S.Bus.Ad.; *Business Administration*

Peteris Ludis Osis, Columbus; B.A. (Capital University); *Business Administration*

Aurel Joseph Ouellette, Mansfield; B.S.E.E. (Ohio University); *Business Administration*

Paulanne Kelly Queen, Brentwood, N. Y.; B.S.Ed.; *Business Administration*

Jeffrey J. Redfield, Irvington, N. Y.; B.A. (Wittenberg University); *Business Administration*

Jacqueline J. Rudolph, Columbus; B.S.Bus.Ad.; *Business Administration*

Susan L. Rumberger, Columbus; B.S.C.I.S.; *Business Administration*

Clair Burnette Saam, Hilliard; B.S.Ed. (Ohio University); M.S. (Xavier University); *Business Administration*

Martha Mary Fink Sass, Columbus; B.S.Ed. (Bowling Green State University); *Business Administration*

Richard C. Schaffner; B.S.M.E. (University of Dayton); *Business Administration*

Harry Edward Schmidt, III, Columbus; B.S. (Miami University); *Business Administration*

James Arthur Schmitz, Olmsted Township; B.A.; *Business Administration*

James L. Smith, Jr., Cleveland; B.A. (Cleveland State University); *Business Administration*

James Patrick Tracy, Newark; B.S.M.E.; *Business Administration*

Steven L. Trulaske, St. Louis, Mo.; B.A. (DePauw University); M.A.; *Business Administration*

Joseph Paul Underwood, Columbus; B.S.Bus.Ad.; *Business Administration*

Thomas M. Walker, Cincinnati; B.B.A. (Kent State University); *Business Administration*

Michael Dwight Wallace, Centerville; B.Ch.E. (Georgia Institute of Technology); M.E. (University of Florida); *Business Administration*

Robert Terence Watson, Cincinnati; B.S.Bus.Ad.; *Business Administration*

Robert Louis Wenzel, Middletown; B.A. (Anderson College); *Business Administration*

Hubert Wirtz, Westerville; B.A. (Purdue University); M.A., M.C.R.P.; *Business Administration*

James D. Wise, Gahanna; B.S.Bus.Ad.; *Business Administration*

Patricia Anne Wright, Columbus; B.A. (Muskingum College); *Business Administration*

Robert W. Zelch, Columbus; B.S.Ed.; *Business Administration*

Master of City and Regional Planning

Froda Robin Greenberg, Yellow Springs; B.A. (Antioch College); *City and Regional Planning*

David Keith Humphreys, Toledo; B.A. (Anderson College); *City and Regional Planning*

Sandra Jane Kehoe, Kingston, Canada; B.A. (Queen's University); *City and Regional Planning*

Houn-Sang Alven Lam, Taipei, R.O.C.; B.S. (National Cheng-Kung University); *City and Regional Planning*

Rita C. McMahon, Maple Heights; B.A. (Cleveland State University); *City and Regional Planning*

Esbii Ailen Ogholoh, Benin City, Nigeria; B.B.A. (Florida International University); *City and Regional Planning*

Vincent Anthony Papsidero, Jr., Old Bethpage, N. Y.; B.A. (University of Georgia); *City and Regional Planning*

Lynn Marie Pike; B.S. (State University of New York at Geneseo); *City and Regional Planning*

Graham Simpson Powers, Ann Arbor, Mich.; B.A. (University of Wisconsin); *City and Regional Planning*

Rollin Eugene Seward, Bellefontaine; B.A., B.A. (Miami University); *City and Regional Planning*

Tsu Te Tan, Taipei, R.O.C.; B.S. (National Taiwan University); *City and Regional Planning*

Sharon Jo Welter, Aurora, Ill.; B.S. (Bradley University); *City and Regional Planning*

Carol Nassr Woldorf; B.A. (Southeastern Massachusetts University); *City and Regional Planning*

Master of Fine Arts

Nicholas Dean Blosser, Columbiana; B.F.A.; *Art*

Nancy Kruse Bunge, Granville; B.A. (The University of Iowa); *Art*

Helen Margot Fashbaugh, Columbus; B.S. (St. Cloud State College); *Theatre*

Richard E. Kooyman, Grand Rapids, Mich.; B.F.A. (Grand Valley State College); *Art*

Martin D. Merritt, Atchison, Kans.; B.F.A. (Avila College); *Theatre*

Mary Havens Nice, Marengo; B.F.A.; *Art*

Catherine Ann Nix, Owenton, Ky.; B.S. (Murray State University); *Theatre*

Jack A. Shiver, Hampton, Va.; B.F.A. (Jacksonville University); *Art*

Lynn Neonta Smith, Scottsdale, Ariz.; B.F.A. (Arizona State University); *Art*

Deborah Lee Treadway, Dayton; B.F.A. (Wright State University); *Art*

Nancy Rick Vangas, Galion; B.F.A.; *Art*

Diane Elaine Wondisford, Boardman; B.A. (Mount Union College); *Theatre*

Master of Health Administration

Maryann Joan Bouba, Methuen, Mass.; B.S. (Northeastern University); *Allied Medical Professions*

William Edward Caldwell, Park Forest, Ill.; B.B.A. (University of Notre Dame); *Allied Medical Professions*

Laura Jean Cavanaugh, Columbus; B.S.Nurs.; *Allied Medical Professions*

Kathryn Golden Correia, Kent; B.A. (Denison University); *Allied Medical Professions*

Ralph J. Corvino, New York, N. Y.; B.A. (New York University); *Allied Medical Professions*

Barbara Ellen Duby, Youngstown; B.S. (Youngstown State University); *Allied Medical Professions*

William Michael Evans, Columbus; B.S. (Biola University); *Allied Medical Professions*

Jody L. Fitch, Auburn, N. Y.; B.A. (State University of New York at Binghamton); *Allied Medical Professions*

Anne Marie Kappen, Cincinnati; B.A. (College of Mount St. Joseph); M.A. (Central Michigan University); *Allied Medical Professions*

Daniel Grabe Kirkpatrick, Meadville, Pa.; B.A. (The College of Wooster); *Allied Medical Professions*

Stanley R. Korducki, Milwaukee, Wis.; B.S. (Marquette University); *Allied Medical Professions*

George Stephen Massar, Columbus; B.A. (DePauw University); *Allied Medical Professions*

Michael Trevor McGovern, Maple Heights; B.A. (Ohio Wesleyan University); *Allied Medical Professions*

Joseph Michael Mitrick, Bedford; B.A. (Kent State University); *Allied Medical Professions*

Renée Ann Mueller, Fenton, Mich.; B.A. (University of Michigan); *Allied Medical Professions*

Nancy Grove Nichols, Flint, Mich.; B.S. (University of Michigan); *Allied Medical Professions*

Roger Neil Obenauf, Columbus; B.S.; *Allied Medical Professions*

Gregory George Repetti, Akron; B.S. (Yale University); *Allied Medical Professions*

Howard E. Rohleder, Garden City, Mich.; B.A. (Albion College); *Allied Medical Professions*

Glenn Paul Roland, Villa Park, Ill.; B.A. (Miami University); *Allied Medical Professions*

Mark Henry Shuter, Portsmouth; B.S.Nurs.; *Allied Medical Professions*

Beth Ann Spatz, Saline, Mich.; A.B. (University of Michigan); *Allied Medical Professions*

Master of Labor and Human Resources

Suzanne Michele Collins, Chicago, Ill.; B.A. (University of Michigan); *Labor and Human Resources*

Thomas M. Dunlap, Clinton; A.B. (Miami University); *Labor and Human Resources*

Dale Michael Feinauer, Cincinnati; *Labor and Human Resources*

Mark Nelson Heacox, Columbus; B.S.Bus.Ad.; *Labor and Human Resources*

Joyce Ann Jacobson, Columbus; B.A. (Youngstown State University); *Labor and Human Resources*

Harlow J. Keith, Toledo; A.B. (Kenyon College); M.A.; *Labor and Human Resources*

Martin Jay Pasternak, Southfield, Mich.; B.A. (Michigan State University); *Labor and Human Resources*

Lisa Carin Polack, Cleveland; B.A. (York University); *Labor and Human Resources*

Gary Wayne Preston, Gahanna; (Wayne State University); *Labor and Human Resources*

Susan Lynn Richman, Dayton; B.A. (Miami University); *Labor and Human Resources*

Barbara E. Schwebel, Girard; B.A.; *Labor and Human Resources*

Maripat Squillace, Youngstown; B.A.; *Labor and Human Resources*

Paul John Sweeney, Columbus; B.S.; *Labor and Human Resources*

Frank L. Valletta, III, Vestal, N. Y.; B.S. (Ithaca College); *Labor and Human Resources*

Anne L. Vogel, Dayton; B.S., M.S. (Wright State University); *Labor and Human Resources*

Master of Landscape Architecture

Perry Michael Morgan, Sugarloaf, Pa.; (Pennsylvania State University); *Landscape Architecture*

Master of Music

James Milton Akins, Savannah, Ga.; B.Mus.; *Music*

Lori Mae Akins, Lima; B.Mus.Ed.; *Music*

Jacqueline Sue Barlow, Appleton, Wis.; B.A. (Lawrence University); *Music*

Lori Jo Borden, DuBois, Pa.; B. Music (Pennsylvania State University); *Music*

John Dexter Leggett, Jesup, Ga.; B.Mus.Ed. (Florida State University); *Music*

John Eugene Mathias, Lancaster; B.A. (Asbury College); *Music*

Linda Sue Nolan, Dublin; B.Mus.; *Music*

Richard Ernest Schenk, Fairview Park; B.M. (Oberlin College); *Music*

Master of Public Administration

Jay David Aronowitz, New Orleans, La.; B.S.W. (Xavier University of Louisiana); *Public Administration*

Mark R. Carney, Girard; A.B. (Ohio University); *Public Administration*

Elaine Harue Fujimura, Wickliffe; (Kent State University); *Public Administration*

Brian D. Galloway, Columbus; B.A.; *Public Administration*

Penelope Anne Goggin, Oxford; B.S. (Indiana University); *Public Administration*

Mary V. Hornig, Pittsford, N. Y.; B.S. (Cornell University); *Public Administration*

Kathleen Siddall Kleven, Columbus; B.A. (Miami University); *Public Administration*

Adoré Flynn Kurtz, Westerville; B.A. (College of New Rochelle); *Public Administration*

Raymond Grady Lyons, Columbus; B.A. (University of Akron); *Public Administration*

John Bowman Lyter, Columbus; B.S.Ed. (Miami University); *Public Administration*

Dale Robert McArdle; B.A.; *Public Administration*

Russell Ryan Nelson, Harrisonburg, Va.; B.S. (James Madison University); *Public Administration*

Susan Elizabeth Palagyi, Elyria; B.A. (Capital University); *Public Administration*

Valorie Linette Perry, Hertford, N. C.; B.A. (Fayetteville State University); *Public Administration*

Ellen Ruth Rehmar, Columbus; B.A.; *Public Administration*

Paul E. Schreur, Westerville; B.A. (Calvin College); M.S.W. (University of Michigan); *Public Administration*

Daria Shams, Columbus; B.S. (Franklin University); *Public Administration*

John Joseph Shook, Pittsburgh, Pa.; B.S. (The Pennsylvania State University); *Public Administration*

Ching-Ching Tang; Bachelor of Law (National Taiwan University); *Public Administration*

Susan L. Tavakolian, Granville; B.A. (University of California at Los Angeles); Ph.D. (University of Massachusetts); *Public Administration*

Wayne Matthew Turnage, Richmond, Va.; (North Carolina Agricultural and Technical State University); *Public Administration*

Judith Ann Zimomra, Newton Falls; B.A. (Kent State University); *Public Administration*

Master of Science

Michael John Adams, Omaha, Neb.; B.S. (University of Nebraska—Lincoln); *Mathematics*

Hassan Farouk Ahmed, Giza, Egypt; B.Sc. (Cairo University); Diploma in Planning (The Institute of National Planning); *Agricultural Economics and Rural Sociology*

Ali Al-Ghouthani, Enchel, Syria; B.S. (Alppo University); *Civil Engineering*

Baha M. D. Alkuzweny, Hilla, Iraq; B.S. (University of Baghdad); *Statistics*

Chukwuemeka Arah, Onitsha, Nigeria; B.S. (University of Nigeria, Nsukka); *Civil Engineering*

Elsa C. Araque, Caracas, Venezuela; B.S. (Santa Maria University); *Pharmacy*

Somkid Arayaskul, Bangkok, Thailand; B.S. (University of California, Berkeley); *Civil Engineering*

John Auman Armitstead, Columbus; B.S. (Ohio Northern University); *Pharmacy*

John Howard Arnold, Urbana; B.A. (Case Western Reserve University); *Physiological Chemistry*

Mehdi Assadian, Tehran, Iran; B.S.E.E. (Iowa State University); *Electrical Engineering*

Jahangir Babai, Columbus; (The National University of Iran); *Natural Resources*

Roger Fredrick Backhus, Cincinnati; B.S. (University of Cincinnati); *Electrical Engineering*

- Michael Arthur Banks, Springboro; B.A. (Berea College); *Chemistry*
- Melody Sue Bartoe, Columbus; B.S.Ed. (Miami University); *Home Economics*
- S. Baskar, Trichy, India; B.S. (Annamalai University); D.M.I.T. (Madras Institute of Technology); M.S. (Madras University); *Engineering Mechanics*
- John Savage Bath, Columbus; B.S. (Georgia Institute of Technology); *Statistics*
- Thomas Wilson Beattie, Bowling Green; B.A. (Wittenberg University); D.D.S.; *Dentistry*
- Ghulam Mustafa Behlim, Bombay, India; B.Arch. (Indian Institute of Technology); M.C.R.P.; *Civil Engineering*
- Abdulrahim A. Beram, Tripoli, Libya; B.S. (University of Wisconsin—Milwaukee); *Computer and Information Science*
- Barry Antonio Bermudez, Gasport, N. Y.; B.S. (Purdue University); *Natural Resources*
- Richard Dewey Bethel, Cadiz; B.A. (Wittenberg University); *Geology and Mineralogy*
- Brent Lee Bolyard, New Philadelphia; B.S. (Kent State University); *Biomedical Engineering*
- David Menard Boman, South Milwaukee, Wis.; B.S. (University of Wisconsin—Madison); *Pharmacy*
- Philip Wayne Bond, Freeport; B.S.; *Agricultural Economics and Rural Sociology*
- Brett Craver Borgeson, Bay Village; B.A. (Ohio Wesleyan University); *Computer and Information Science*
- Jeffrey Albert Bourret, Norwich, Conn.; B.S. (University of Connecticut); *Pharmacy*
- James Norman Boyer, Tyrone, Pa.; B.S. (Pennsylvania State University); *Natural Resources*
- Eric Bright, Columbus; B.S.Cer.E.; *Ceramic Engineering*
- Thomas Jeffrey Brockman, North Olmsted; B.S. (University of Cincinnati); *Chemistry*
- John Brian Burghduff, Houston, Tex.; B.S. (Texas Agricultural and Mechanical University); *Mathematics*
- Bruce Douglas Burns, Bellville; B.A. (Miami University); D.D.S.; *Dentistry*
- Jerry Chan, Montreal, Canada; B.E. (McGill University); *Electrical Engineering*
- Chien-Chun Chang, Taipei, R.O.C.; B.S. (National Chiao Tung University); *Electrical Engineering*
- Yung-Syi Amelia Chang, Taichung, R.O.C.; B.S. (Fu-Jen University); *Horticulture*
- Yung-Cheng Timothy Chen, Columbus; B.S. (National Chiao Tung University); *Computer and Information Science*
- Philip Hopok Cheng, Hong Kong; B.S.C.E., M.S.; *Mechanical Engineering*
- Yet Chu Cheng, Hong Kong; B.S. (Oklahoma State University); *Electrical Engineering*
- George Michael Chioran, Solon; *Physiological Optics*
- Bradley Dean Clymer, Findlay; B.S.E.E.; *Electrical Engineering*
- Charles Edwin Coburn, Rochester, N. Y.; B.S. (Miami University); *Chemistry*
- Russell Andrew Cohen, Weston, Mass.; A.B. (Vassar College); *Natural Resources*
- Ann Ivers Cook, Delaware; B.S.; *Nursing*
- Thomas Gerald Correthers, Tuskegee, Ala.; B.S. (Tuskegee Institute College); *Animal Science*
- Thomas Daniel Costello, Columbus; B.S.A.A.E.; *Aeronautical and Astronautical Engineering*
- Gail Ann Crosser, Wayne; B.S.H.E.; *Home Economics*
- Philip Arvis Dalton, Strongsville; B.S.Ch.E.; *Chemical Engineering*
- Rebecca Lynne Darnell, Columbus; B.S. (University of Maryland); *Horticulture*
- Barbara Jeanne Davis, Zanesville; B.A. (University of Wisconsin—Milwaukee); *Zoology*
- Narayan Chandra Debnath, Calcutta, India; B.S. (Calcutta University); *Computer and Information Science*
- E. Nicole DeLong, Columbus; B.A. (Pitzer College); *Pathology*
- Maria Eulalia Del Rio, Rio Piedras, Puerto Rico; B.S., M.A. (University of Puerto Rico at Rio Piedras); *Computer and Information Science*
- Kathryn Ann Dexheimer, Sun City, Ariz.; B.A. (Northwestern University); *Geology and Mineralogy*
- Michael Joseph Dillman, Minster; B.S. (University of Dayton); *Geology and Mineralogy*
- Terry Lee Dixon, Waverly; B.S.; *Animal Science*
- Avery Allen Driskill, Grand Rivers, Ky.; B.S. (Murray State University); *Computer and Information Science*
- Randall Nicholas Dunnington, Gahanna; B.S.E.E.; *Computer and Information Science*
- Dallas Daniel Dupré, IV, Columbus; B.S. (University of Houston); *Geology and Mineralogy*
- Hassan M. A. M. El Busefi, Sebha, Libya; B.D.S. (Cairo University); *Dentistry*
- Cynthia Ann Everitt, Columbus; B.S. (Purdue University); *Computer and Information Science*
- Randy Mark Feldman, Toledo; B.A., D.D.S.; *Dentistry*
- Dana Lee Fertig, Cincinnati; B.A. (Wittenberg University); D.V.M.; *Veterinary Preventive Medicine*

- Mark Douglas Filliman, Heath; B.S.E.E. (Rensselaer Polytechnic Institute); *Electrical Engineering*
- Karen Sue Flanigan, Columbus; B.S.; *Allied Medical Professions*
- Mark Allen Flick, Bluffton; B.S.Agr.E.; *Mechanical Engineering*
- Victor Jay Flinger, Navarre; B.S.M.E.; *Mechanical Engineering*
- Nancy Sidner Franke, Worthington; B.S.Nurs.; *Nursing*
- Michael John Fritz, Canfield; B.A. (Hiram College); *Chemistry*
- Warren L. Garner, Columbus; B.A., M.D. (University of Kansas); *Medical Microbiology*
- Patsy Eileen Gehring, Newark; B.S.N. (Capital University); *Nursing*
- Jeffrey Lynn Gilmore, North Canton; B.S., D.D.S.; *Dentistry*
- Theresa Christine Gordon, Columbus; B.S.; *Zoology*
- Michael F. Grannan, Fort Wayne, Ind.; B.S. (Purdue University); *Computer and Information Science*
- Ira Lee Grayson, Columbus; D.V.M.; *Veterinary Preventive Medicine*
- William R. Griffin, Jr.; B.S.E.E. (University of Cincinnati); *Electrical Engineering*
- Sarry Fouad Habiby, Beirut, Lebanon; B.S. (Oklahoma State University); *Electrical Engineering*
- Scott Clifton Hartsel, Elyria; B.S. (Ohio University); *Microbiology*
- James Patrick Hayes, Syracuse, N. Y.; B.S. (Syracuse University); B.T. (University of Dayton); *Biomedical Engineering*
- Vincent Malcolm Hewitt, Manchester, Jamaica; B.E.E.T. (Georgia Institute of Technology); *Electrical Engineering*
- Peggy A. Hiltner; B.S. (University of Akron); *Animal Science*
- Brian Thomas Himes, Mansfield; B.A. (The College of Wooster); *Geology and Mineralogy*
- Janet Pursley Hollingsworth, Franklin; B.S. (Miami University); *Home Economics*
- Gwen Alice Holsapple, Springfield; B.S.H.E.; *Home Economics*
- Larry R. Hromalik, Columbus; B.S.; *Preventive Medicine*
- Diane M. Intoccio, Canton; B.S. (Bowling Green State University); *Home Economics*
- Linda B. James, Granville; B.S.H.E.; *Home Economics*
- Satish K. Janardan, Springfield, Ill.; B.S. (University of Illinois—Urbana); *Computer and Information Science*
- David James Jasko, Avon Lake; B.S. Nutrition; *Veterinary Preventive Medicine*
- Robert Merle Jaynes, Westerville; B.S.; *Radiology*
- Yeou-Shang Jenq, Taiwan, R.O.C.; B.S. (National Taiwan University); *Civil Engineering*
- Tae Eni Jeung, Seoul, Korea; B.S. (Korea University); *Electrical Engineering*
- Jeanette A. Jones, Columbus; B.S. (Capital University); *Nursing*
- Laurie Beth Joseph, Columbus; B.S. (George Washington University); *Pathology*
- Ruth E. Juelich, Columbus; B.S. (Bethany College); *Computer and Information Science*
- Russell Ivan Kacir, Cleveland; (Cleveland State University); *Electrical Engineering*
- Chandru Motiram Kalro, Madras, India; B.Tech. (Indian Institute of Technology); *Engineering Mechanics*
- Sanjeeva M. Kanth, South Charleston, W. Va.; B.Tech. (Osmania University); *Chemical Engineering*
- Abdelhakim Kasmia, Chelghoum, Algeria; B.S. (Cairo University); *Biomedical Engineering*
- Behrouz Kawarizadeh, Kermanshah, Iran; B.S.E.E. (California State University at Fresno); *Electrical Engineering*
- Gregory Andrew Kesel, Gary, Ind.; B.S. (Purdue University); M.S. (Virginia Polytechnic Institute and State University); *Agricultural Economics and Rural Sociology*
- Vahid Keyhani, Columbus; B.S. (Tri-State University); *Mechanical Engineering*
- David Robert Kiehl, San Diego, Calif.; B.A. (University of California, San Diego); *Physics*
- Hyanggi Kim, Seoul, Republic of Korea; B.S. (Seoul National University); *Home Economics*
- Myung Hwan Kim, Seoul, Korea; B.S. (Seoul National University); *Mathematics*
- Robert C. Knarr, Fairborn; B.S. (United States Air Force Academy); *Aeronautical and Astronautical Engineering*
- William Lewis Kochenour, II, Canfield; B.S. (Bowling Green State University); D.D.S. (Case Western Reserve University); *Dentistry*
- Dale Michael Koers, Columbus; O.D.; *Physiological Optics*
- Craig Louis Kossuth, Berea; B.S.C.E.; *Civil Engineering*
- Dennis James Kountz, Apple Creek; A.B. (Wittenberg University); *Chemistry*
- Fulin Kow, Taipei, R.O.C.; B.S. (National Taiwan University); *Civil Engineering*
- Cassey Daniel Kuhl, Niles; B.E. (Youngstown State University); *Electrical Engineering*
- Chi-Yen Lai, Taipei, R.O.C.; B.S. (National Taiwan University); *Mathematics*
- Chun-Yue Lai, Hong Kong; B.S. (Northwestern University); *Electrical Engineering*
- Sen Tsung Philip Lan, Taipei, R.O.C.; B.S. (National Cheng Kung University); *Civil Engineering*
- Barry Kenneth Lavine, Philadelphia, Pa.; B.S. (Temple University); *Chemistry*

- Ling-Shine Jane Lee, Upper Sandusky; B.S. (National Taiwan University); M.S. (University of Notre Dame); *Metallurgical Engineering*
- Abdulaziz B. Leghuel, Tripoli, Libya; B.D.S. (Cairo University); *Dentistry*
- Hong-Yuh Lin, Taipei, R.O.C.; B.S.M.E. (Tatung Institute of Technology); *Mechanical Engineering*
- Mingyie Ling, Taiwan, R.O.C.; B.S. (National Chiao-Tung University); M.S. (Indiana University); *Electrical Engineering*
- Kent Ernest Logan, Mount Gilead; B.S.Agr.E.; *Agricultural Engineering*
- Karen Lynn Longo, Springfield, B.A. (Wittenberg University); *Animal Science*
- Marcus Edward Lower, Mount Sterling; B.S.Agr.; *Agricultural Economics and Rural Sociology*
- Sharon Maizell Lynch, Washington, D. C.; B.S. (Howard University); *Computer and Information Science*
- Della J. Macklin, Columbus; B.S.; *Computer and Information Science*
- Ravindra K. Mahajan, New Delhi, India; B.Sc. (Delhi University); *Civil Engineering*
- Baboucar Manneh, Serekunda, Gambia; B.S.; *Agricultural Education*
- Deborah Marie Grzybowski Marek, Seven Hills; B.S.Ch.E.; *Chemical Engineering*
- Eva Allen Martin, Columbus; B.S. (Spellman College); B.E.E. (Georgia Institute of Technology); *Computer and Information Science*
- Suellen McBurney, Ashland; B.S. Nutrition; *Home Economics*
- Thomas J. Meade, Rochester, N. Y.; B.S. (Arizona State University); *Chemistry*
- Mario Miguel Mendoza, San Francisco, Calif.; B.S. (University of Tulsa); D.D.S. (University of Oklahoma); *Dentistry*
- Teresa Marie Mensing, Rochester, N. Y.; B.A. (State University of New York at Geneseo); *Geology and Mineralogy*
- Anne C. Mickatavage, Ashland, Pa.; B.S. (The Pennsylvania State University); *Civil Engineering*
- Dennis James Morisak, Wadsworth; B.S. (University of Akron); *Entomology*
- Karim Joseph Mourad, Brunswick; *Mathematics*
- Barbara Faye Murphy, Kettering; B.S.Nurs., M.A. (Wright State University); *Nursing*
- Najee Michel Nahass, Zahle, Lebanon; B.S. (University of Southwestern Louisiana); *Electrical Engineering*
- Linda Natoli, Columbus; B.S.; *Food Science and Nutrition*
- Quoc Hung Ngu, Seattle, Wash.; B.S. (University of Washington); *Pharmacy*
- Mahfiz Bin Omar, Kuala Lumpur, Malaysia; B.Sc. (Paisley College of Technology); *Civil Engineering*
- Stephen Matthew Ouellette, Waterville, Me.; B.S. (Massachusetts College of Pharmacy); *Pharmacy*
- Robert Joseph Paknys, Greenfield Park, Canada; B.Eng. (McGill University); *Electrical Engineering*
- Thomas Ward Parker, Cincinnati; B.S.M.E.; *Mechanical Engineering*
- Myrna Burgos Pepino, Butuan City, Philippines; B.S., M.S. (University of the Philippines); *Home Economics*
- Raymond Allan Peters, Stow; B.S.Agr.E.; *Agricultural Engineering*
- Ta-Hwei Ping, Taipei, R.O.C.; B.S. (Chung Yuan University); *Civil Engineering*
- John W. Rafalowski, Canton; B.S. (Bowling Green State University); *Geology and Mineralogy*
- Yun Rai, Tou-Liu Town, R.O.C.; (National Taipei Institute of Technology); *Electrical Engineering*
- Devaraj Ramareddy, Bangalore, India; B.E. (R. Vidyalaya College of Engineering); *Civil Engineering*
- David Lee Reese, Mt. Cory; B.S.Agr.; *Agricultural Education*
- Walter Timothy Rhodus, Columbus; B.S. (Bowling Green State University); *Agricultural Economics and Rural Sociology*
- Eric Alan Ribble, Beverly; B.S.; *Electrical Engineering*
- Judith Carol Ridgway, East Liverpool; B.S. (University of Michigan); *Zoology*
- Steve Chet Rinehart, Columbus; B.S.; *Computer and Information Science*
- Michael Aaron Roen, Alliance; B.S.; *Geology and Mineralogy*
- Audrey Ann Rush, Columbus; B.S.; *Zoology*
- Joseph John Rushanan, Bedford; *Mathematics*
- Fadel Sadaka, Nabek, Syria; B.S. (Damascus University); *Pharmacy*
- Gabriel David Saenz, Chihuahua, Mexico; B.S. (Autonomous University of Chihuahua); *Civil Engineering*
- Hamed A. Said, Sebha, Libya; B.Sc. (Elfatrah University); *Electrical Engineering*
- Jennis Warren Schmidt, Woods Hole, Mass.; B.S. (University of Cincinnati); *Computer and Information Science*
- Martin Allen Schmidt, Columbus; B.S.; *Geology and Mineralogy*
- Michael Lee Schneider, Worthington; B.S.C.E.; *Civil Engineering*
- David Albert Seitz, Marysville; B.S.Ed.; *Horticulture*
- Nancy Marie Sergi-Gott, Columbus; B.S. (Tufts University); *Natural Resources*
- Barry Allen Shaffer; B.S. (The Pennsylvania State University); *Computer and Information Science*
- Shanta Man Shakya, Kathmandu, Nepal; B.Sc. (Pantnagar University); *Horticulture*
- Ram Chandra Sharma, Bhamarpura, Nepal; B.S. (Punjab Agricultural University); *Agronomy*
- Frederick John Sharp, Jr., Toledo; B.S.Food Sc.; *Food Science and Nutrition*
- Karen Renee Sharp, Memphis, Tenn.; B.S. (Tennessee State University); *Mathematics*
- Weigbeng Sheu; B.S. (Cheng-Kung University); *Civil Engineering*
- Yih-Chyun Sheu, Taipei, R.O.C.; B.S. (National Central University); *Engineering Mechanics*
- Brenda Jean Shields, Erie, Pa.; B.S. (Pennsylvania State University); *Zoology*
- Joseph Warren Shiveley, Bellefontaine; (University of Dayton); D.D.S.; *Dentistry*
- Rakesh Shukla, Lucknow, India; B.S., M.S. (University of Allahabad); *Statistics*
- Nicholas Anton Sisco, Hudson; B.S.E.E. (Ohio University); *Electrical Engineering*
- David A. Smeenk, Columbus; B.S. (Drake University); *Pharmacy*

- Robert C. Smith, Dublin; B.S., D.V.M.; *Veterinary Preventive Medicine*
- Albert Christopher Snyder, Columbus; O.D.; *Physiological Optics*
- Nagesh Sonti, Hyderabad, India; B.Eng. (University of Madras); *Welding Engineering*
- Robert Wayne Spengler, Bloomingburg; B.S.Agr.E.; *Agricultural Engineering*
- Eric Glenn Stocker, Worthington; O.D.; *Physiological Optics*
- Kamal Sulaiman Tawfiq; B.S. (Ain Shams University); *Civil Engineering*
- Bernadine Rose Thurn, Columbus; B.S.H.E.; *Home Economics*
- Raymond Lee Tope, Range; B.S.Agr.; *Agricultural Education*
- Scott Bruce Tribuzi, Akron; B.S.; *Home Economics*
- Wuh-Tyan Tsay, Columbus; B.S. (National Tsing-Hua University); *Industrial and Systems Engineering*
- Karol William Valek, Garfield Heights; B.S. (Bowling Green State University); *Geology*
- Vincent Joseph Vohnout, Cleveland; B.M.E. (Cleveland State University); *Mechanical Engineering*
- Walter Shields Vuchnich, Columbus; B.A. (Lawrence University); M.S. (Miami University); D.D.S. (Case Western Reserve University); *Dentistry*
- Joan Michele Wabschall, North Canton; B.S.Nurs.; *Nursing*
- Jean Daniels Waddell, Springfield; B.S.; *Anatomy*
- Kenneth James Walcott, Centerville; B.S.E.E.; *Electrical Engineering*
- Cou-Way Wang, Taiwan, R.O.C.; (National Tsing Huan University); *Electrical Engineering*
- Ying-Tsai Wang, Panchiao, R.O.C.; B.S. (National Taiwan University); *Mechanical Engineering*
- Eric Arthur Warren, Coolville; B.S. (South Dakota School of Mines and Technology); *Chemical Engineering*
- Robert Wooddell Weaver, San Diego, Calif.; B.S. (California Institute of Technology); *Mathematics*
- Robert Joseph Weber, Fairview Park; B.S.Pharm.; *Pharmacy*
- Donald Lee White, Enon; B.S.; *Mathematics*
- Mark Allen Wigginton, Whitehall; B.S.C.E.; *Civil Engineering*
- Virginia Sue Wilson, Columbus; *Home Economics*
- Daniel Scott Wolford, Columbus; B.S.; *Natural Resources*
- Paul Charles Wood, Columbus; B.S.; *Statistics*
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- Fu-Hsiang Wu, Tahsi Toayuan, R.O.C.; B.S. (Chung-Cheng Institute of Technology); *Civil Engineering*
- Lei Wu, Taipei, R.O.C.; B.S. (University of Chinese Culture); *Civil Engineering*
- Jenn-Hwa Yu, Taipei, R.O.C.; B.S. (National Central University); *Mathematics*
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- Ellen E. Archer, Buffalo, N. Y.; B.A. (State University of New York at Oswego); *Social Work*
- Mary Kristine Arnell, Glenwood, Ill.; B.A. (Wheaton College); *Social Work*
- Sharon Marie Arnett; B.A. (Ohio University); *Social Work*
- Richard James Arnold, Columbus; (State University of New York at Utica Rome); *Social Work*
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- Elaine Carol Baron, Columbus; B.A. (Villa Maria College); *Social Work*
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- Kathy Lynn Bird-Roberts, Columbus; B.A.; *Social Work*
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- Isadore Bowers, Jr., Reddick, Fla.; B.S.W. (Florida Agricultural and Mechanical University); *Social Work*
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- Byron Duane Brown, Columbus; B.S.Soc.Wel.; *Social Work*
- Frances Whitfield Brown, Clarksville, Tenn.; (Austin Peay State University); *Social Work*
- Richard Allan Brunner, Toledo; B.A. (Indiana University); *Social Work*
- Priscilla Faye Bullio, Hamilton; B.A. (Miami University); *Social Work*
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- Lori Jeanne B. Jg. Troy; B.A. (Cedarville College); *Social Work*
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- Kam-Fong Monit Cheung, Hong Kong; B.A. (Hong Kong Baptist College); M.A.; *Social Work*
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- Velma Grace Cole, Ashville; B.A. (Coe College); *Social Work*
- Karen Kay Collins, Streetsboro; A.B. (Hillsdale College); *Social Work*
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- D. Michael Graham, Frankfort, Ky.; B.A. (Berea College); *Social Work*
- Robin Anne Grierson, Cincinnati; B.S. (University of Cincinnati); *Social Work*
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- Deborah Murphy Harrison, Westerville; B.S.Soc.Wel.; *Social Work*
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- Beverly Capers Haynes, Orangeburg, S. C.; B.S. (South Carolina State College); *Social Work*
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- Catherine Suzanne Hull, Westerville; B.A. (Ohio Dominican College); *Social Work*
- Beth R. Imperial-Rogers; B.A. (Oberlin College); *Social Work*
- Gerald Alan Imperial-Rogers, Convoy; B.A. (Colorado College); *Social Work*
- Cheryl Patrice Jackson, Pine Bluff, Ark.; B.S. (Tennessee State University); *Social Work*
- Judy Thornsberry Jordan, Mansfield; B.S.Soc.Wel.; *Social Work*
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- Jenifred Lynne Daugherty Lenehan; B.S. (University of Akron); *Social Work*
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- Paraskevi Mamali; B.S. (Findlay College); *Social Work*
- Carol A. Mannolini, Columbus; B.S. (State University of New York); Ph.D. (Southern Illinois University); *Social Work*
- Carolyn Ann Mattes, Wooster; B.A. (Ashland College); *Social Work*
- Thomas Victor May, Columbus; B.S.Ed.; *Social Work*
- Kristine Serre Merrill; B.A. (Albion College); *Social Work*
- Andrew Louis Miller, Worthington; B.S., M.S. (Eastern Michigan University); *Social Work*
- Jennifer Young Molnar, Columbus; B.A. (University of Kentucky); M.A.; *Social Work*
- Jeanette Moore, Magnolia, N. C.; B.A. (Winston-Salem State University); *Social Work*
- Karen Owens, Columbus; B.A.; *Social Work*
- Sue A. Packard, Columbus; B.S.Soc.Wel.; *Social Work*
- Marsha Croff Pagel; B.A.A. (Central Michigan University); *Social Work*
- Susan Jean Parr; B.S. (Union College); *Social Work*
- Maureen Dawn Piwowarski, Dunkirk, N. Y.; B.S.W. (State University College at Buffalo); *Social Work*
- Jean Ann Preble, Findlay; B.S. (Bowling Green State University); *Social Work*
- Irene Evelyn Miller Radcliff, Columbus; B.S.Soc.Wel.; *Social Work*
- Martha Vanessa Ragsdale, Greensboro, N. C.; B.S.W. (Johnson C. Smith University); *Social Work*
- Dorothy Harriott Raley; B.A.; *Social Work*
- Melinda Lou Rast; B.S.W. (University of Missouri); *Social Work*
- Rebecca Ann Rengo, Kaleva, Mich.; B.S. (Southern Illinois University); M.A.; *Social Work*
- Brenda Denise Rivers, Columbus; B.A. (University of Cincinnati); *Social Work*
- Mary Ann Tye Roberts, Westerville; B.S.; *Social Work*
- Irma Rose Rockwell, Garrett, Ind.; B.A., B.A. (University of Houston); *Social Work*
- Pamela Leshy Sauerman, Columbus; (Wittenberg University); *Social Work*
- Kathy J. Scheuble, Pittsburgh, Pa.; B.A. (Pennsylvania State University); *Social Work*
- Susan Joan Schibler, Columbus; B.S.W. (Kent State University); *Social Work*
- Elizabeth Albright Scott, Cleveland Heights; B.A. (College of Wooster); *Social Work*
- Lori Ann Seaman, Columbus; B.S.Soc.Wel.; *Social Work*
- Pamela Kay Shaffer, Tallmadge; B.S.Soc.Wel.; *Social Work*
- Shirah J. Siladie, Columbus; B.A.; *Social Work*
- Cheryl Denise Smallwood, Philadelphia, Pa.; B.S.W. (North Carolina Agricultural and Technical State University); *Social Work*
- Melissa Boylan Stobby, Granville; B.A. (Michigan State University); *Social Work*
- Glenn Stone; B.A. (Miami University); *Social Work*
- Atlee L. Stroup, Homeworth; B.S. (Kent State University); M.A., Ph.D.; *Social Work*
- Stephen Paul Swartz, London; (University of Michigan); *Social Work*
- Sheldon William Switkin, Columbus; B.A. (University of Illinois); M.A. (Columbia University); *Social Work*
- Linett Talamona, Middletown, Conn.; (Southern Connecticut State University); *Social Work*
- Stephen Allan Thomas, Columbus; B.S. (Loyola University of Chicago); *Social Work*
- Sheri A. Thornton, Baltimore, Md.; B.S., B.S. (Morgan State University); M.A.; *Social Work*
- John Raymond Trompeter, Rochester, N. Y.; B.S.W. (Nazareth College of Rochester); *Social Work*
- Carol Ann Upchurch, Circleville; B.S.Soc.Wel.; *Social Work*
- Lawrence Findley Valmore, Cincinnati; B.A. (University of Cincinnati); *Social Work*
- David A. Walters, Logan; B.L.S. (Bowling Green State University); *Social Work*
- Meri Jo Warner; B.S. (Kent State University); *Social Work*
- Molly Anne Weinfurter, Cleveland; B.A. (Miami University); *Social Work*
- Cynthia Louise Weisel, Moreland Hills; (Purdue University); *Social Work*
- Linda Jane Whiting, Seneca, Pa.; B.A. (Eastern Nazarene College); *Social Work*
- Vanessa Wilson, Elm City, N. C.; B.S. (Winston-Salem State University); *Social Work*
- Carol Nassr Woldorf; B.A. (Southeastern Massachusetts University); *Social Work*
- Jean Karlson Wood, Gahanna; B.A. (Immaculate Heart College); *Social Work*

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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

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Anne Marie Brehm, Columbus
Craig Derwin Bridges, Mansfield
James Neil Burmeister, Cleveland
Mary Theresa Clouse, Columbus
Matthew Keenan Connors, Columbus
James Michael Croson, Columbus
David Telford Dennison, Columbus
Charles Edward Ebert, Columbus
Douglas A. Evans, Strongsville
Sheldon Ernest Gleisser, Lyndhurst
Karen Diane Goodheil, Millersport
Deborah Lynn Gregory, Worthington
Mark Alan Hall, Columbus
Bruce Dwight Hicks, Oak Forest, Ill.
Jody Hummer, Mentor
Nicole Johnson, Greenhills
Daniel John-August Kable, Wickliffe
Toru Kanazawa, Nagasaki, Japan
Patricia Louise Kane, Youngstown
Larrye Juanetta Kelly, Birmingham, Ala.
Anne Marie Kovalchuk, Eastlake
Laura Sue Kurland, University Heights
David R. Lange, Maumee
Raymond Jon Loveland, Roswell, Ga.
Brian Joseph Magers, Tiffin
Gregory E. McKenzie, Mt. Vernon
Derrick Green McLendon, Youngstown
Aaron Mehl, Columbus
Lisa R. Metcalf, Columbus
Brian L. Mills, Columbus
James Arthur Moran, Cincinnati
Jack P. Newman, Upper Sandusky
Joseph Paul Pizzuto, Westerville
Stephen Charles Podas, Worthington
Alisha Marie Reese, Alliance
Michele Renee Rizek, Columbus
Susan Leah Rorabaugh, Canfield
Ann-Marie Juanita Sarabia, Dayton
Debra Alice Schneider, Columbus
Nadine Shapers, Cleveland
Amanda Lau Staubach, Succasunna, N. J.
Stephanie Ann Strait, Columbus
Peter Mark Van Buren, Avon Lake
Amy Anderson Waller, Bexley
Patricia Marie Woldar, Flushing, N. Y.
Christine Carol Zarzar, Lima
Gail Frances Zion, Newark

Bachelor of Fine Arts

Vicky Lynn Albright, Lima
Bryant M. Baker, Columbus
Amy S. Baldrige, Columbus
Jeffrey Bruce Barrow, Columbus
Roberta Nell Boston, Columbus
Janet Braund, Chardon
Nancy Jane Breuleux, Columbus
Eugene Olin Castle, Columbus
Bonnie Sue Coen, Columbus
Dennis Peter Durross, Toledo
Jay Stephen Elliott, Worthington
Vivian Lynn Gill, Ashtabula
Beth Benik Goodwin, San Francisco, Calif.
David Allen Harter, Canton
Lauren Fran Helfand, Highland Park, Ill.
Mary E. Hendrick, Columbus
Katrina Denise Jeffries, Columbus
Elizabeth Brandon John, Powell
Pepper Donna Johnson, Columbus
George William Kiel, Alliance
Lisa Ann Kinsey, Mansfield
Deborah Joy Kraus, Cincinnati
Jan Lee Luchini, Bethel Park, Pa.
Georgeanne Olive, Savannah, Ga.
Lori Kay Remaly, Toledo
Stephen Roka, II, Columbus
Jane Ann Ronchi, Columbus
Alice Marie Slade, Columbus
Kenneth David Sonkin, Shaker Heights
Lisa Marie Stechschulte, Columbus
Debra Ann Stever, Columbus
Karen Elizabeth Stokes, Houston, Tex.
Karen Lee Tradler, Canfield
Dorothy Marie Uhl, Akron
Elizabeth Ann Weir, Chicago, Ill.

Bachelor of Music

Gregory Thomas Benson, Columbus
Leslie Jeanne Braidech, South Euclid
Joan Elizabeth Crumpler, Sidney
Robert Eric Firestone, Worthington
Lisa Joanne Hansgen, Columbus
William Stephen Hayes, Cincinnati
Valerie Denise Jackson, Gahanna
Deborah Ann Lindner, Bexley
Susan Lynn Sundvall, Strongsville
Kerry Dean Tedrow, Groveport
Constance D. Tsolainos, Lyndhurst

Bachelor of Art Education¹

Elizabeth Ann McCrea, New Philadelphia

Bachelor of Art Education²

Carol Ann Clifford, Grove City
Jan Marie Deal, Ashville
Colleen Marie Durbin, Worthington
Karen Jean Klabunde, Columbus
Deborah Hash Lyon, Columbus
Rosemary Theresa Oliver, Corona
Denise Marie Parker, Columbus
Kathy Suzanne Rich, Bellefontaine
Cheryl Lynn Robinson, Galena
Mary Rita Timmerman, Fort Recovery
Cynthia Annette Vaught, Columbus
Tracy Edward Vincent, Grove City
Kelly Vorhes Wallace, Columbus
Tamara Jo Watt, Galion
Susan Wiedemann, Marion
Kathryn Denise Willard, Enon

Bachelor of Music Education²

Paul Brent Abramson, Cleveland Heights
Suzanne Jean Andes, Columbus
William Irvin Bauer, Wadsworth
James Leo Brand, Bedford Heights
George Gregory Brintlinger, Columbus
Ricard Paul Bueter, Dublin
Camuel Lee Cross, North Olmsted
Steven James Edman, Circleville
Catherine Ann Fesenmyer, Marion
Thomas Robert Giffin, Columbus
Russellen Kathryn Grohoske, Columbus
Thomas Gordon Holliday, Minerva
Laura Ellen Hoover, Pomeroy
John Marvin Huffman, Jr., Sylvania
Valerie Denise Jackson, Gahanna
Katherine Louise Jurcich, Columbus
Terrence Michael Lewis, Columbus
Laurie Elaine Markle, Columbus
Keith Edwin Matthias, Pataskala
Martin William Mielke, Valley City
Dale Frank Nawrocki, Reynoldsburg
Melinda Marie Penrod, Columbus
Carol Jean Poling, Lancaster
David James Redman, Huntsville
Suzanne Kay Skinner, Athens
Susan Jean Steiner, Piqua
Robert Glenn Tucker, Chillicothe
Christopher John Venesile, Middleburg Heights
Matthew Thomas Wagner, North Canton
Nancy Rittenhouse Wehrkamp, Columbus
Carl Edward Wisener, Wapakoneta

Bachelor of Science in Audio Recording

Lisa Kaye Dale, Columbus
Russell Ivan Kacir, Cleveland
Scott Alan LeHoty, North Royalton
Dawn Michele Taylor, Xenia

Bachelor of Science in Industrial Design

LaDonna L. Adams, Circleville
Brian Craig Bahnsen, Columbus
Scott Madison Belliveau, Reynoldsburg
Bruce Gerhard Bruggemann, Toledo
Anthony Scott Byington, Ironton
Pamela Lee Campbell, Mansfield
Thomas Alan Chantler, Medina
Jeffrey Revell Cramer, Bay Village
Julie Marie Criscione, Parma
Stacy Lynn Davidson, Pemberville
Thomas G. Faist, Columbus
Jodi Ann Faier, Brunswick
Carlos Rojas Garrido, Caracas, Venezuela
Lisa Ann Georgeff, Lorain
Charles Steven Geraci, IV, Cincinnati
Maureen Gillespie, Chatham, N. J.
Maria Luz Gonzalez, Caracas, Venezuela
Anthony Young Guido, New Castle, Pa.
Deborah Suzanne Harris, Athens
David Brent Hart, Newcomerstown
Holly Anne Howell, Fayetteville, N. Y.
Robert R. Jensen, Dayton
Kandice Lynne Kain, Findlay
Kevin Edward Keiser, Columbus
Kelly Lynn Knouff, Columbus
James William Lustek, Westlake
Kevin John McClory, Delaware
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Goldie Pakkert, Galion
Maria Palazzi, Oakmont, Pa.

Philip John Park, Westerville
 Jeffrey Ross Porter, Columbus
 Robert Arthur Riesenberger, Columbus
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 Steven M. Schoener, Union
 Kristy L. Shields, Reynoldsburg
 Kathleen Jean Stempley, Kettering
 Thuy Tran, Columbus
 Jeffrey Lee Unverferth, Kalida
 Lori Colleen Winger, Cantonment, Fla.
 Eria Nan Wise, Elida
 Douglas Jay Yost, Gahanna

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

College of Biological Sciences

Dean: Patrick R. Dugan

Bachelor of Arts

Douglas Wayne Bierl, Columbus
 Judy Haejung Cho, Columbus
 Michael John Jarosick, North Royalton
 Charles Robert Sexton, Celina
 Jeffrey James Tibbs, Port Clinton
 Charles W. Warner, Newark

Bachelor of Science

Raymond William Acus, III, Fairborn
 Kimsey K. Anderson, Minot, N. D.
 David Terrance Applegate II, Columbus
 Martin Lee Appleton, Portsmouth
 David Frederick Baeheren, Toledo
 Mark Michael Bajorek, Wadsworth
 Damian Banaszak, Seven Hills
 Philip Murray Barger, Delaware
 Angela Kay Barnett, Eastlake
 Roger Russell Bartels, Solon
 Kevin Patrick Barton, Curtice
 John Arthur Bauer, Ardmore
 Ted Allen Beiteltschees, Maumee
 Gregory R. Bellomy, Whitehall
 Dale Joseph Block, Columbus
 Michael William Brickell, Willoughby
 Gary Charles Brown, Dayton
 Michelle Marie Buchwalter, Pickerington
 Christopher T. Budde, Celina
 Daniel Dale Burwell, Danville
 Robert Lee Caldwell, Shadyside
 Patricia Ann Calligan, Toms River, N. J.
 Mark Allen Carey, Cincinnati
 William C. Chen, Bexley
 Steven Martin Cohen, Beachwood
 Gregory David Cohn, Trotwood
 Michael Gerard Collart, Huron
 Marie Louise Corbisiero, Beavercreek
 Bill Constantine Costaras, North Royalton
 Todd Alan Crowl, Minerva
 Andrew Michael Dahern, Huber Heights
 Nancy Caldwell Daugherty, Shaker Heights
 Katherine Ann Davidson, Boardman
 Timothy Andrew Decker, Lucasville
 Philip S. DeSenze, Wellsville
 Richard Keith DeStephens, Lima
 Donna Ann Dewhurst, Whitehall
 Gary Henry DiBlasio, Youngstown
 Timothy Eugene Dicke, Lima

Douglas Joseph Dobrozsi, Middletown
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 Anthony James Esterwood, Cleveland
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 Richard Michael Georgeoff, Jr., Youngstown
 Ellen Mary Geriat, Lyndhurst
 Jeffrey Mark Gibbs, Upper Arlington
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 Curt A. Gleason, Cincinnati
 Michael Gary Goldmeier, Columbus
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 Jeffrey John Holmes, Stow
 John Richard Hurt, West Jefferson
 Mark Roger Isaacson, Bowling Green
 Henry Franz Jones, Wooster
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 Diane Kostyshyn, Apalachin, N. Y.
 George Raymond Kousaie, Kent
 Susan Diane Kraner, Carroll
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 Judith Anne Lamia, Hauppauge, N. Y.
 Joseph Gerard Leahy, Circleville
 Janet Elaine Lewis, Tiffin
 Marian A. Lynch, Hilliard
 Craig Richard Mahon, Columbus
 Steven A. Marsh, Elyria
 Ralph Norman Manfred May, Independence
 Bernard Francis McArdle, North Olmsted
 David Jay McCann, Mount Vernon
 David Stanley Medich, Steubenville
 Michael R. Melick, Roseville
 Paul Anthony Michelakis, Warren
 Janet Elizabeth Miles, Columbus
 Matthew Minarik, Fairview Park
 Jeffrey Stewart Mitoff, Amherst
 Perry David Mostov, Youngstown
 Edith Lucille Myers, Saint Marys
 Pamela Suzanne Neilands, Naperville, Ill.
 Lynne Nitzberg, Long Island, N. Y.
 James Michael O'Leary, Waterford, Conn.
 Karen Elaine Oder, Mansfield
 James Donald Overmeyer, Defiance
 Richard Allen Paat, Maumee
 John Thomas Pajka, Parma
 Candace Lynn Palmer, Columbus
 Gina Lou Phipps, Portsmouth
 Sabine Petra Plocher,
 Goepingen, West Germany
 Dennis Adam Prtenjak, Hincley
 Thomas Edward Rachner, Columbus
 Sally Ann Reyerling, Cincinnati
 Daniel David Richied, Troy
 John Craig Rogers, Warren
 Stephen Charles Romisher, Lyndhurst
 Thomas Kostas Roosvanis, Marion
 Helene Roussi, Akron
 Martha Sajatovic, Willoughby Hills
 Timothy Joseph Sauber, Fremont

Drew Allan Sax, Canton
 Robert Edward Schutz, Findlay
 Randall Scott Schwartz, Cleveland
 Tanya Marie Shenk, Lima
 Beth Ann Sheridan, Poland
 Cynthia Susan Shie, Westlake
 Alan Jay Sheiler, Dayton
 Cynthia Kay Sites, Upper Arlington
 John Kevin Sliwinski, Northfield
 Diana Kay Steed, Parkersburg
 Robert Gestrich Stein, II, Ogden, Ut.
 Daryl Robert Sybert, Ravenna
 Jason E. Tsch, Cleveland
 James Nelson Thacker, Brecksville
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 Mulheim a.d. Ruhr, Germany
 Glenn Richard Thorson, Centerville
 Thu Ngoc Tran, Columbus
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 Scott William Wilcox, Lima
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 Randall Lee Wilson, Columbus
 Greg Alan Wise, Columbus
 Marsia Dian Wojcikowski, Rossford
 Amy Lynne Wressell, Florence
 David Alan Wright, Frazesburg
 Bryan James Zehner, Dayton
 Peter Dale Zimmerman, Dayton

College of Humanities

Dean: Diether H. Haenicke

Bachelor of Arts

Patricia Jo Ann Adelman, Columbus
 Peter Adelman, Columbus
 John Edward Alexander, Worthington
 Kelly Cole Anspaugh, Wapakoneta
 Eileen Bernadette Basinger, Cincinnati
 Margaret Ann Bay, Columbus
 Fredrick William Bear, Columbus
 Christie Lynn Bishop, Columbus
 Larry Lanning Black, Perrysburg
 Martha Brecht, Princeton, N. J.
 David Marc Brill, Avon Lake
 Douglas Gregg Brinkley, Perrysburg
 Joyce Monroe Brubaker, Columbus
 Janis Faith Carter, Coshocton
 Jill Perry Case, Fairmont, W. Va.
 Craig Andrew Chabot, Cincinnati
 Melanie Ann Chin, Whitehall
 Christopher Jon Clay, Sidney
 Sara J. Colfesh, Columbus
 Robert B. Conklin, Boardman
 Mark Christopher Cooke, Ironton
 Rosa Maria Moreno de Cormanick,
 Guatemala, Central America
 Lorene Susan Custer, Jeannette, Pa.
 *Gary Stevenson Dickey, Columbus
 Karen Jane Dishong, Desher
 Richard L. Douglass, University Heights
 Sue Ann Dowell, Canton
 Katrina Lee Dreyer, Columbus
 Faith G. Durham, Cincinnati
 Emma Maria Eckenrode, Columbus
 Deanna Lynn Edgecombe, Westerville
 Jeffrey John Elasky, Columbus
 James Robert Flaherty, Columbus
 Jonathan Miles Gabel, Upper Arlington
 David P. Gainer, Newark
 * To be awarded posthumously

Suzanne L. Gall, Columbus
 Robert Mark Gardner, Mansfield
 John Edward Garwig, Canfield
 Delbert Leon Graves, Johnstown
 Jeannette Diane Grendahl, Fremont
 Katherine Lisle Haines, Steubenville
 Janet Louise Hansen, North Olmsted
 Linda Elizabeth Hatch, West Newton, Mass.
 Leigh Anne Hazelbaker, Columbus
 Adonis Andre Hembriick, St. Albans, W. Va.
 Judith Elaine Hoersten, Lima
 Teri Lee Houser, Columbus
 Laura Jean Ives, Columbus
 Patricia Lee Jeffries, Worthington
 Randall David Johnson, Lakeland, Fla.
 G. Andrew Kahn, Beachwood
 Laurel Ann Kleingartner, Columbus
 Laura Ann Lander, Darien, Conn.
 R. Mark Lawrence, Marion
 Gina Maureen Lee, Columbus
 John S. Lee, Montgomery
 Matthew Wright Leist, Columbus
 Beth Anne Lewis, Belpre
 Margaret Ann Colleen Lindner, Columbus
 Brenda S. Lohrbach, Port Clinton
 Linda Carol Macklin, Columbus
 Martha Roberts Mahan, Columbus
 James Girouard Maki, Granville
 Caroline Anne Mansfield, Windsor, Conn.
 Rebeka Lucy Maples, Crestline
 Linda Jayne Markels, Mendocino, Calif.
 Richard E. McQuiston, Jr., Baltimore
 David S. Metcalfe, Columbus
 Thomas William Metz, Worthington
 Virginia Young Midkiff, Columbus
 Annice Evon Miller, Greenville
 Kathleen Anne Mooney, Cleveland Heights
 Gary A. Motz, Columbus
 Michael Alan Murphy, Port Clinton
 Douglas E. Nartker, Columbus
 Kenneth Wade Neate, Marysville
 Christina Sue Nypaver, Warren
 Joel Glee Oldiges, Dayton
 Jay Ira Ostipow, Columbus
 David Allen Perry, Bedford
 Lisa Katherine Plainte, Columbus
 Stefan Lee Polihronopolos, Columbus
 Penny Lynn Popper, Columbus
 Regina Ellen Quinn, Columbus
 Caroline Anne Rayner, Columbus
 Nora Elizabeth Rice, University Heights
 Shari Ellen Robins, Cleveland Heights
 Kenneth Thomas Rose, Brooklyn, N. Y.
 Christy Lynn Ross, Upper Arlington
 Anne Elizabeth Ruefle, Pittsburgh, Pa.
 Ralph Christian Sarnowski, Columbus
 Lily Estelle Schlichter, Columbus
 Samuel Harry Shamansky, Bexley
 Jonathan Showalter, Amlin
 Jeffrey Lee Sparks, Butler
 Elizabeth Jo Stealey, Marion
 David Howard Steigerwald, Dayton
 Nancy A. Stohs, Cleveland
 Jean Ann Stratman, Columbus
 Douglas John Thompson, Columbus
 Mark Eugene Thrasher, Alexandria
 Bradley Lewis Tindall, Portsmouth
 John Kenney Trenner, Springfield
 John Ignatius Uhlenhake, Tiffin
 Mark Joseph Verbsky, Bellefontaine
 Christopher R. Wagner, Louisvile
 Vincent Edwin Wahl, Sandusky
 Randall Earl Webb, Martins Ferry
 Jeffrey Drew Wehr, Upper Arlington
 Cherie L. Weintraub, South Euclid
 Joy Michelle White, New Philadelphia
 Beth H. Wilcox, Zanesville

Deborah Kay Williams, Akron
 Daniel Jeffrey Wilson, Columbus
 Joann L. Wise, Lexington
 Noah Walter Yannie, Cleveland

College of Mathematical and Physical Sciences

Dean: Colin B. B. Bull

Bachelor of Arts

Jeffrey A. Babushkin, Bethpage, N. Y.
 Christina Birinyi, New London, Conn.
 Michael D. Burkholder, Galion
 Paula Carol Chen, Taiwan, R.O.C.
 William Daugherty, Columbus
 Susan Kalus, Beachwood
 Carl Richard Kollaritsch, Columbus
 Dennis M. Lafferty, Columbus
 Denise Michelle Lesko, Columbus
 Gregory Scott Lloyd, Washington, D. C.
 Edward M. McEnerney, Baltimore, Md.
 Annette Vasko Parker, Columbus
 Ann Price, Columbus
 M. Kim Ragerstorf, West Manchester, In.
 Brian Thomas Taaffe, Columbus
 Karen Marie Targgart, Upper Arlington
 Brad S. Tolin, Beachwood
 Mark Joseph Weien, Lakewood
 Bruce Eckelberry Wells, Newark

Bachelor of Science

Sharifah Abdul-Hamid, Kedah, Malaysia
 Rick Akers, Powell
 Dean Thomas Allemang, Columbus
 Sherry Asher, Cincinnati
 Joseph Michael Bannon, Shadyside
 Grant Alan Bickel, Convoy
 Steven Edward Bilon, Lima
 Samuel Alfred Borchers, Fairborn
 Kenneth Arthur Broberg, Columbus
 David Brent Brown, Reedsville
 Daniel Edward Byers, Westerville
 Donald Eugene Calhoun, III, Columbus
 Colleen P. Canavan, Lima
 Alicia Gutierrez Cepeda,
 Barranquilla, Colombia
 Mark A. Chambers, Columbus
 Eric Martin Cherry, Columbus
 Brian Edward Chevrier, Columbus
 Christopher Alan Childs, Dayton
 Kathleen Marie Cooper, Pataskala
 Kim Evon Daniels, Columbus
 James Peter Deering, Cleveland
 Mariann DiFrank, Toledo
 Annette Dearth Dickerscheid, Worthington
 Brad Charles Dodrill, Westerville
 Ernest George Ehlers, Jr., Grove City
 Gregory J. Gallagher, Canfield
 Ted Alan Gallagher, Worthington
 Katherine J. Gallo, Lisbon
 Erick Allen Garman, Cuyahoga Falls
 James E. Geitgey, Fredericksburg
 Robert James Gerdes, Conneaut
 Eugene Sol Green, Columbus
 Karlis Vitauts Grinvalds, Albertson, N. Y.

Gerald N. Hanson, Hopewell, N. J.
 Laurie Beth Hart, Seattle, Wash.
 Craig Steven Hartsough, Cincinnati
 David H. Hettler, Lorain
 Robert George Heurich, Columbus
 Kenneth Paul Hinson, Westerville
 Paul E. Infanger, Columbus
 Ana Virginia Jimenez, Cuba
 James Alan Jungles, West Jefferson
 Farshad Khorrani, Columbus
 Joseph Michael Kostecka, Mentor
 Philip Jay Krauskopf, Reynoldsburg
 Carol Therese Krueger, South Euclid
 Vernon Robert Kubiak, Russell Township
 Kathleen Marie Kuhler, Westerville
 Kristin Lynn Larsen, Dayton
 Richard Carl Laubacher, Canton
 Eric Salta Laus, Columbus
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 Geoffrey Roger Leking, Sylvania
 Teresa Clarkin Loving, Mansfield
 Theresa Jeanne Maesky, Pickerington
 Jean Lorraine Marshall, Columbus
 Kathryn Ruth McCarron, Kent
 Charlene Ann McGue, Columbus
 Victor Mesenzef, Jr., Beavercreek
 Robert Alan Miller, Akron
 Dale Wesley Mitchell, Dover, Dela.
 Heidi René Mitchell, Prospect
 Sally Jo Ewing Moore, Lisbon
 D. Kris Morrison, Pataskala
 Karim Joseph Mourad, Brunswick
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 Gary Neer, Jackson
 Trieu N. Nguyen, Columbus
 Richard Lee Pennington, Westerville
 James Edward Ray, Garrettsville
 Barry Lynn Roberts, Broadview Heights
 William Lewis Roberts, Columbus
 Mitchell Gregg Roe, Columbus
 Joseph John Rushanan, Bedford
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 Jeffrey Lynn Seibert, North Canton
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 Janet Patricia Steensen, Newark
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 Lowell D. Stott, Columbus
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 Jeffrey Van Swearingen, Portsmouth
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 Richard J. Trippel, Columbus
 Philip D. Turner, Columbus
 Mark Thomas Van Gilder, Tallmadge
 Stuart Alan Wolf, Mayfield Heights

College of Social and Behavioral Sciences

Dean: S. Earl Brown

Bachelor of Arts

Kimberly Marie Adams, Columbus
 Leslie Ann Akers, Worthington
 Megan Brooks Albarr, Columbus
 Charles P. Alusheff, Willowick

Jeanine Almira Amid, Toledo
 Jessica Belle Anderson, Ashtabula
 Mary Andres, Columbus
 Monjula N. Appaya, Lima
 Ernesto Alejandro Araujo, Columbus
 Theresa Dankowski Arnett, Gallion
 Kevin Keith Ayers, New Philadelphia
 Laurice A. Baddour, Mansfield
 Craig Gordon Baldwin, Reynoldsburg
 Alan Robert Balen, Lackawanna, N. Y.
 Joann Dee Ballard, Columbus
 Steven Karl Balogh, Columbus
 Elizabeth Lee Banbury, Ashland
 Robert Joseph Bangert, Columbus
 Lillian Brown Bannister, Lexington, Ky.
 Katherine Hoover Barrett, Columbus
 David Michael Bartholme, Cleveland
 Elizabeth Dawn Bashore, Martins Ferry
 Randall Eugene Baughman, Fremont
 L. Michael Beausay, Perrysburg
 Mark Anthony Betleski, Lorain
 William Compton Betts, Cincinnati
 MaryEllen Bigler, Massillon
 Randall John Bills, Columbus
 James Mark Bishop, Columbus
 Rocky Edward Black, Bellville
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 Laura Lynne Blythe, Delphos
 Bettyann Keidel Bobbitt, Columbus
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 William Joseph Brembeck, Columbus
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 Marijke Breuning, Son, Netherlands
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 Cape Town, South Africa
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 Mountain Lakes, N. J.
 Joan Laura Carlin, Buckeye Lake
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 Duane Edward Casares, Toledo
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 Sallie Anne Chaffin, Coventry
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 Clarence Conwell, Cleveland
 Belinda Lee Copeland, Hudson Falls, N. Y.
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 Ralph Keeler Cox, III, Warren
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 Robert Anthony Crisanti, Pittsburgh, Pa.
 Leah Jean Daugherty, Niles
 Elizabeth Ann Davidek, Columbus
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 Thomas Edward DeCola, Shadyside
 Christopher Scott Denny, Grove City
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 Christa A. Dimon, Newark
 Joyce Elaine Dinninger, Mansfield
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 Paul Norman Dorris, Cleveland Heights
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Lynne Renee McKay, Worthington
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Karen Jean McMillen, Wheaton, Ill.
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Pineville, W. Va.

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Patricia Ann Oliver, Springfield
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Mindy L. Orr, Columbus
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Lillie Adelaide Owusu, Columbus
Jennifer E. Pagura, Columbus
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Loretta Lee Peckol, Ashtabula
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Wemigumstadt, West Germany

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Rhonda Jane Pfeil, Castalia
James Edward Pfeister, Hinckley
Debra Virginia Phillips, Parma
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Carl Wayne Polk, Jr., Jacksonville, Fla.
Cherry Lynne Potect, Columbus
Greg Arlen Potts, Columbus
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George William Price, Scio
Kenneth Edward Pritchett, Worthington
Rick Lee Purcell, Columbus
Martin R. Quiggle, Lancaster
Debra Ruth Rand, Lumberton, N. C.
Joelle Rae Raymond, Uniontown
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Margaret Marie Reilly, Appleton, Wis.
Sandra Marie Reiss, Columbus

Craig Alison Resch, Columbus
Scott Anthony Reuter, Cincinnati
Theresa Lynn Rhodes, Westerville
Ann Patricia Riley, Columbus
Kathleen M. Ritchey, Zanesville
Nancy Ellen Robbins, Marion
Lori Jane Robinson, Lexington
Jan Rofsky, Columbus
Linda Sue Romanoff, Toledo
Debra L. Romantic, Elyria
Joan Carol Ronyak, Youngstown
Robin Lee Rose, Toledo
Gary Howard Rosen, University Heights
Jane Beth Rosenfield, Canton
Loren Michelle Ross, Cleveland
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Barbara K. Rowand, Lima
Jean Ann Russi, Gahanna
Janet Lynne Salyer, Grove City
Ruth Ann Sanford, Bexley
Alan Earl Savransky, Beachwood
Janet Lynn Schempp, Columbus
Linda Sue Schirtzinger, Columbus
Nancy Ann Schomaker, Cincinnati
Donna Lynn Schuller, Rocky River
Lorna Jean Schwab, Sandusky
Harry Evan Shade, Newton Falls
Sharon N. Schaeffer, Columbus
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Adrienne Beth Shaw, Columbus
Sharon McLaughlin Shemanski,
Worthington
Kenneth Charles Shibley,
Washington C. H.

Jonathan Lee Shorts, Danville
Lee Clarke Shrader, Columbus
Patricia Lynn Shrilla, Mansfield
Leslie Jean Silver, Sylvania
Steven C. Silver, Akron
Ross O. Silverman, Toledo
Vincent Scott Skillings, Brenizer, Pa.
Debbie Ann Slager, Upper Arlington
Robert Ramsey Slaven, Diamond Bar, Calif.
Cheryl Dee Sloane, Chicago, Ill.
Michael Allen Slusher, Trenton
Gary Steven Smet, Brooklyn
Kenneth Allen Smitley, Columbus
Deborah Jean Sorna, Fairfax, Va.
Edith M. Sostrom, Columbus
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Sharon L. Southard, Gahanna
Alberta Spain, Cleveland
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Paige Ayrann Ramsey Squires, Pataskala
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Carol M. Stamatakis, Canton
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Cynthia Ann Stefanov, Georgetown, Tex.
Birgitta L. Stjernholm, Cleveland Heights
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Dennis Wayne Stranges, Columbus
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Susan Louise Swider, Brecksville
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Irene A. Tellings, Columbus
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Douglas Leland Trostler, Shaker Heights
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Louis James Tsamous, Cambridge
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Ernest Eugene Vargo, Jr., St. Clairsville

Deborah Lynn Komives Vecchiarelli,

Columbus
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Traci Annette Vinson, Steubenville
John Patrick Volonti, Columbus
Gary Randall Vulcan, Columbus
Norma Jean Wade, Columbus
Michelle L. Wall, Columbus
Maria Linda Wallin, Gahanna
David Adrian Warren, Pickerington
Amy Jane Weaver, Canfield
Bret Dwaine Wehrly, Pandoro
Jeffrey Greg Weisman, Columbus
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Charles Philip Wilson, London
Marla Jeanne Wilson, New Albany
Beth Ann Wiltberger, Columbus
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Lydia Antonia Witcher, Columbus
Elizabeth J. Witiak, Columbus
Gina Ann Witten, Mt. Liberty
James Otto Witten, Mt. Liberty
William Kenneth Wolf, Dayton
Brian Kevin Wolfe, Columbus
Thomas Michael Wood, Wellington
Guy Victor Worley, Cincinnati
Jennifer Jane Wright, Newark
Candita Ann Yacobozi, Amherst
Connie Marie Zak, Brecksville

Bachelor of Science

Pamela Jo Adkins, Sidney
Yvonne Renee Alexander, Toledo
John Michael Arthur, Lima
Rebecca Sue Beaty, Worthington
Jill Renee Beeson, Forest Park
Stephanie S. Berris, Steubenville
Andrea P. Bickley, Sandusky
Lynn Currin Bragg, Columbus
Jann Meredith Brehmer, Toledo
Danny Cecil Cardina, Painesville
Susan Andrea Cella, Columbus
James William Clifford, Cleveland
Wanda Suzanne Denig, Mansfield
Andrew Calvin Downing, Columbus
Mary Elizabeth Ellis, Columbus
Gabriele Silvia Evans, Northfield
Timothy L. Fellure, Bellville
Elizabeth Anne Flynn, Akron
Barbara Geraldine Gable, Bath Township
Jennifer Lynn Genutis, Bedford
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Upper Arlington

Phillip Clair Harding, III, Byesville
Maureen Haynes, Westlake
Lisa Tandy Herren, Beaver Creek
Tracy Lynn Hull, Fremont
Laura Mae Jackson, Trenton
Laura Mae Jordan, Mt. Gilead
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Pauline Ann Kaltenbach, Marion
Lisa Renee Lang, Mayfield Heights
Judith A. Lenz, Mansfield
Kent Michael Lepkowski, West Chester
Timothy E. Magorien, Columbus
Rebecca Ellen Mahaffee, Columbus
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Francine Beth Mason, Cadiz
Timothy S. Milligan, Mansfield
Cynthia J. Ofer, Louisville
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Allison M. Oprandi, Louisville
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David Joseph Parker, Rosemont

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 Tamara Ruth Poling, Worthington
 Carol Ann Quinlan, East Liverpool
 Douglas Mark Radman, South Euclid
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 Keith Jay Redlin, Cleveland
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 Catherine Ann Richards, Kent
 Laura J. Russell, Columbus
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 Donna Marie Shelley, Akron
 Maureen Shonebarger, Newark
 Steven Robert Sigman, Toledo
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 Monica Ann Skebo, Johnstown
 William Edward Snuffer, II,
 Beckley, W. Va.
 Douglas Roy Stephens, Columbus
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 Donald Testa, Wickliffe
 Arlene Frances von Kunsay, Lakewood
 Deborah Kay Wilson, Coshocton
 Jerri Lynnann Young, New Washington

Cynthia Kathleen Pavey, Columbus
 Carla Kavon Peay, Tinton Falls, N. J.
 Jolinda Ann Porfido, Springfield
 Dana Suzanne Preisse, Copley
 Teresa Ann Prince, Lima
 Roxanne Marie Reichle, Waterville
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 Jay Howard Rotsky, Beachwood
 Christopher Edward Sedlock,
 North Royalton
 Barry Lee Smith, Delaware
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 Patrick Alan Snyder, Loudonville
 Margaret Lynn Sobul, University Heights
 John Albert Sowers, Bellefontaine
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 David Patrick Stilwell, Rockbridge
 David Mark Thornsburg, Cincinnati
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 Earvin Washington, Shaker Heights
 Julie E. Washington, Canton
 Terrence Todd Wheeler, Smithville
 Gail Anita White, Columbus
 Kelly E. Whitehead, Toledo
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Kevin Charles Baun, Columbus
 Nicholas E. Bayer, St. Marys
 Jerry Dwane Beckholt, Newark
 Lori Sue Beckman, Columbus
 Mark Edward Beghley, Columbus
 Brad Eugene Beggin, Lima
 Eugene Francis Begue, Jr., Mogadore
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 Mitchell Eric Bernan, South Euclid
 Frederic Arthur Bernstein,
 Ft. Lauderdale, Fla.
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 Gary Joel Biarsky, Mansfield
 Daniel Lee Blanton, Pataskala
 Robert Joseph Blazek, Bellaire
 Thomas David Blumberg,
 Winnipeg, Manitoba
 Michael Bobry, Pittsford, N. Y.
 Boris Boh, Worthington
 David W. Bosoty, Parma
 Kenneth Walter Bowman, Norwood
 Cheryl Ann Boyd (Leach), Martins Ferry
 Charles Joseph Bramlage, Dayton
 Stephanie Ann Brett, Grove City
 Gary Robert Brickner, Delphos
 Donald Joseph Brieck, Pittsburgh, Pa.
 David John Bristol, Glens Falls, N. Y.
 Jeffrey Craig Brofford, Grove City
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 Randy Fredric Brown, Columbus
 Steven Thomas Brown, Sandusky
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 Robert Francis Burwinkel, Reading
 Jennifer Aline Bush, Parkersburg, W. Va.
 Larry Edward Callaghan, Alamo, Calif.
 Karen Eileen Callaghan, Alamo, Calif.
 Steven John Carraher, Englewood, Colo.
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 Rhonda Jean Cherry, Columbus
 Cynthia Gay Chin, Columbus
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 James Kenneth Clark, Columbus
 John Nelson Clark, Westfield Center
 Jonathan Drew Clark, Centerville
 Lisa Clark, Mansfield
 Carlos Abel Clavijo, Columbus
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 Michael Louis Close, Worthington
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 John Willard Coleman, Toledo
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 Douglas James Cooper, Defiance
 Mark Thomas Corroto, Youngstown
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 Whippany, N. J.
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 Steven Michael Burrell, Gahanna
 Michelle Cheton-Fought, Canton
 Steven Wayne Dennis, Dover, Del.
 David Aaron Ellison, Dayton
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 Teresa Lynn Frisbee, Columbus
 Gerard P. Galipault, Worthington
 Cynthia Alexandra Gilkerson-Daehnke,
 Columbus
 Marcie Groedel, Rye Town, N. Y.
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 Jacqueline Sue McBride, Dayton
 Deborah Marie McEntyre, Blacklick
 Ginamarie Moore, Massillon
 Peter Darwin Morse, Columbus
 Robert T. Naud, Lima
 Teresa Louise Neeson, Bay Village
 Leah Katherine O'Briant, Bucyrus
 Polly Elizabeth Paris, Erie, Pa.

College of Administrative Science

Dean: H. Justin Davidson

Bachelor of Science in Business Administration

Cynthia J. Adkins, Columbus
 Adriane Marie Adomaitis, Chicago, Ill.
 Walter Hartley Ahlers, Bay Village
 Javed Ahmed, Karachi, Pakistan
 Ronald R. Ahrens, Minster
 Charles Raymond Albert, Grove City
 Nancy Ann Aleshire, Frankfort, Ind.
 Rob Lee Allen, Mansfield
 William C. Allen, West Bloomfield, Mich.
 John Anthony Ambrosia, Columbus
 Suzanne Jean Anderson, Akron
 Edward C. Andes, Shadyside
 Gregory Ellis Andes, Shadyside
 Vincent John Andolino, Mansfield
 Robert Scott Andow, Mentor
 James Richard Andrews, Lima
 Larry Alan Anstine, Newark
 Deepak Nervnanda Appaya, Lima
 Thomas Patrick Austin, Elyria
 Mark S. Axelrod, Potomac, Md.
 Craig M. Ayres, Celina
 Ellen Kay Backstrom, Lima
 Kevin Michael Backus, Delphos
 Eric Eugene Baer, Marion
 William Jeffrey Baker, Canfield
 Susan Elaine Balkun, Steubenville
 Gail Ann Ball, Bellevue
 Douglas Michael Barbier, Marion
 Scott Richard Bard, Bryan
 Thomas Joseph Barker, Groveport
 Robert Todd Barrett, Mansfield
 Rebecca Sue Barringer, Portsmouth
 Karen Elaine Barry, Inverness, Ill.
 Sarah Bartlebaugh, Coldwater, Mich.
 Brett Alan Basil, Columbus
 Michelle Rene Batman, Cuyahoga Falls
 Lawrence Edward Baumgartner, Tiffin

Steven Lee Courtney, Ravenna
 Karen Patricia Coyne, Akron
 Warden Cravens Crabtree, Jr.,
 Reynoldsburg
 Jeffrey Brian Crank, Groveport
 Dwight Wayne Crawford, Cincinnati
 Ralph Christopher Crawford, Marion
 Tommy Allen Creech, Thornville
 Edward James Crum, Columbus
 Paolo A. Cugini, Reynoldsburg
 Susan Ann Curley, East Brunswick, N. J.
 Karen Ann Curren, Marion
 Jeffrey Allen Dahl, Dayton
 Jeffrey Damron, Columbus
 David Earl Darner, Coshocton
 Ann Catherine Darr, Fremont
 Steven Dale Darst, Cheshire
 Robert Alan Dattilo, Akron
 Karen Jean Davis, Columbus
 Cynthia Ann Dean, Columbus
 Robert John Deckelman, Rocky River
 Pamela Marie de Fiebre, Columbus
 Rick Allen Delaney, Dayton
 James Richard Demuth, New Philadelphia
 Mark Allen Dennison, North Robinson
 Mark Alan DeVol, Plain City
 Stephanie Sue Dibert, Urbana
 Edwin Robert Diedrich, St. Marys
 Daniel Gerhard Dierker, Columbus
 Stephen H. Dodd, Columbus
 Debra A. Dold, Twain Harte, Calif.
 Larry Henry Donaldson, Westerville
 David M. Dorsch, Columbus
 Lois Eileen Dosky, Columbus
 Kimberly Kaye Doupnik, Columbus
 Charles Herbert Dozer, Columbus
 Vicki Linn Driggs, Cambridge
 Janet Marie Duke, Newark
 Mark Allen Dumbaugh, Fredericktown
 Shelly Sue Dunlevy, Miamisburg
 Steven Lorne Durket, Middlefield
 James Patrick Eaton, Akron
 Sarah Ann Eaton, North Ridgeville
 John Philip Ebel, Canton
 Gregory Dean Edwards, Hillsboro
 Kevin Michael Edwards, Wapakoneta
 Jay Bernard Eggspuehler, Dublin
 Jennifer Anne Eichler, East Amherst, N. Y.
 Jerri Lee Eisnaugle, Columbus
 James Victor Elefritz, Jr., Akron
 Michael Lane Ely, Elyria
 Eileen Beth Engelman, Framingham, Mass.
 Philip John English, Rocky River
 David Joseph Enneking, Bay Village
 Chrise Sophia Epitropoulos, Warren
 Robert Louis Erdos, Jr., Bedford
 Margaret Jane Evans, Troy
 Mark Alan Evans, Little Hocking
 Penny Jane Evans, Columbus
 Pamela Gail Everett, Worthington
 Douglas Scott Faragher, Amherst
 Robert Madison Farmer, Jr., Lima
 Christopher Gary Fazio, Columbus
 James Robert Feddern, Galloway
 Stephen Lee Fein, Girard
 Patrick Dean Fett, Wapakoneta
 James Feyko, Pickerington
 Howard Duane Fickel, Logan
 Cynthia Lee Finke, Columbus
 Anthony Scott Fisher, Wapakoneta
 Eric D. Fisher, University Heights
 Kim Darcel Fleming, Newark
 William Alan Flinta, Burton
 Barbara Ann Florence, Marysville
 Robert Allan Ford, Washington C. H.
 Todd Lester Foreman, Worthington
 Julie Forhan, Rocky River
 Ruth A. Fortney, Columbus
 Jay Denman Forward, Worthington
 Carl John Fosnaugh, III, Reynoldsburg
 Jennifer Kay Foster, Port Clinton
 Mark Anthony Fox, Sandusky
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 Abigail M. Freeman, Indianapolis, Ind.
 LaMont James Friebel, Columbus
 Brett David Friedman, Columbus
 Cynthia H. Friedman, Cleveland
 Larry David Friedman, Beachwood
 Rodd Alan Friedman, Columbus
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 Thomas John Fries, Columbus
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 Margaret Josephine Fyffe,
 Greens Farms, Conn.
 Edward Joseph Gallick, Columbus
 John Edward Gallina, Cincinnati
 Kenneth Edward Garber, II, Columbus
 Richard Kent Garman, Jr., Centerville
 Gina Sue Gasbarro, Columbus
 Susan Denise Gaskins, Grove City
 Terry Lee Gates, Lehigh, Fla.
 Emily Sue Geesey, Montpelier
 David Alan Geiger, Westerville
 Karen Anne Gelliwarth, Maple Heights
 Jeffrey Owen Gerberick, Cincinnati
 Terri Lynn Gersman, Vienna, W. Va.
 Gerald R. Giangola, Ashtabula
 Brian Joseph Gilboy, Youngstown
 Kim Leslie Gillespie, Ashtabula
 Kathleen Marie Gilroy, Cleveland
 Margaret Ann Gizzi, Euclid
 James Paul Glaser, III, Newark
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 Janet Lynn Good, Kenton
 Larisa Lynn Gorby, Brecksville
 Michael Gorczyca, Parma
 Lisa Beth Graeff, Arcanum
 Kathaleen Oneda Grant, Chippewa Lake
 James Charles Gray, Elyria
 John William Greathouse, Delaware
 Patrick Louis Greenawalt, Mansfield
 Tammy S. Greenberg, Columbus
 Charles Clayton Greene, Columbus
 James Andrew Gregory, Delaware
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 Karen Ann Grueter, Akron
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 William Orell Herman, Napoleon
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 John Merritt Irsak, North Olmsted
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 Laura Margaret Ivins, Cleveland
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 Daniel Ebbing Jackson, Sands Point, N. Y.
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 Frank Steve Jacobs, Elyria
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 Susan Marie Kaminski, Scottsdale, Ariz.
 James Patrick Kane, Newark
 Jody Teresa Katz, Columbus
 Klaude Leo Keller, Millersport
 Patrick Joseph Kelley, Columbus
 Paul Kelly, Dalton, Mass.
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 Kyle Richard Kennedy, Cambridge
 Louis Paul Kennedy, Columbus
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 Kelley Adams King, Newark
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 Andrew Shane Knapp, Shelby

Steven Edward Knyszek, Parma
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 Richard Aloys Levy, Worthington
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 Jeffrey Alan Lewis, Zanesville
 Anthony Blair Lieb, Columbus
 Bruce Eroy Livesay, Clayton
 Mark Edwin Looper, Dayton
 Jeffrey Ray Loushin, Richmond Heights
 Lora Anne Lowe, Kent
 Eric Milton Lowery, Chillicothe
 Andrew T. Lucas, Canton
 Cristie Curran Ludwig, Marion
 Joseph Edgar Lutz, Westerville
 Sharon Marie Lynch, Fairborn
 Paul John Mackanos, Marion
 Susan Jane Macynski, Columbus
 George S. Maczko, Jr., Struthers
 Sheryl Lynn Madlinger, Dayton
 Robert Martin Mairs, Wooster
 Kevin Michael Maloney, Columbus
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 Gerald Patrick Manley, Columbus
 Melanie Sue Manring, Columbus
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 Thomas John Marchese, Columbus
 David John Markey, Englewood
 Phyllis R. Marks, Cincinnati
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 John Phillip Martin, Columbus
 Kathleen Dolores Martin, Painesville
 Laurie Lynn Martin, Kettering
 Monica Lynne Martin, Columbus
 Stephen Douglas Lankford Martin,
 Pepper Pike
 David Ralph Mathews, Newark
 Leonard Mark Mathys, Mansfield
 Michael S. Matthews, Rochester, Mich.
 Robert Allen McAdoo, Wadsworth
 Mary Uhl McBeth, Marion
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 William Austin McCloy, Cincinnati
 Mark Jeffrey McDonough, Euclid
 Jeffrey McFadden, Parma
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 Hunter Alvin McGeary, Pittsburgh, Pa.
 Timothy Mark McGuire, Lakewood
 William David McKinley, Reynoldsburg
 Janet Lea McMahon, Columbus
 Greg Kris McMains, Fleming
 Michael William McNary, Columbus
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 New Lexington
 Michael Franklin Mooney, Marion
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 John M. Morrill, Columbus
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 Geoffrey William Mount, Mount Vernon
 James Eugene Mueller, Fostoria
 Gary Allen Murdock, Sturgeon Bay, Wis.
 Noreen Joan Murphy, Grove City
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 Edith T. Nemeth, Columbus
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 Leonard Martin Newman, Dayton
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 Scott Allan Noreen, Columbus
 Michael Joseph Nowak, Toledo
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 Thomas Joseph O'Connell, Kettering
 William Michael O'Dwyer, Hinsdale, Ill.
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 Tonia Lynn Ostrander, Columbus
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 Georgia Paidousis, Steubenville
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 White Plains, N. Y.
 Terri Jon Paumier, Columbia, Md.
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 Teresa Eileen Penelton, Indianapolis, Ind.
 Pamela Leigh Perry, Alliance
 Richard Andrew Peters, Columbus
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 Craig William Phillips, Marion
 Carole Ann Plahuta, Rittman
 Jason Christopher Plank, Columbus
 Marcy Lynn Plasco, Beachwood
 Debra Jean Pleis, Canton
 David Allen Porter, Zanesville
 Harry H. Postle, III, Columbus
 Helen Melinda Poston, Grove City
 Charles Wesley Presson, II, Columbus
 Dominic W. Prunte, Columbus
 James Lee Pryor, Columbus
 Charles Evans Quinlan, Englewood
 Howard Steven Rabb, Pepper Pike
 Gary Ray Rader, Mansfield
 Janet Lynn Rader, Columbus
 Gregory O. Rake, Columbus
 Christopher James Reardon, McDonald
 Peter David Regrut, Dublin
 Harlan Edward Reichle, Waterville
 Brent Carleton Reider, Columbus
 Victor Joseph Reinheld, Reynoldsburg
 Thomas J. Reinhold, Cincinnati
 Leo Edwin Renner, New Philadelphia
 Michael Jay Resnick, Beachwood
 Julie Anne Rhine, Canfield
 C. Jeffery Rhodes, Newark
 Mark Allen Richter, Cincinnati
 Gary Lynn Rickenbacher, Kenton
 Michelle Sue Riemer, Beachwood
 Karen J. Riley, Centerville
 Richard Alan Riley, Hamilton
 Sherrie Lynne Riley, Akron
 Kathy Rena Robinette, North Olmsted
 David Alan Robinson, Columbus
 Howard Joseph Rohan, Cincinnati
 Charles Brian Roloson, Columbus
 Christine Marie Rondini, Chagrin Falls
 Gregory Elwood Rose, Troy
 Rick Lind Rosen, Beachwood
 Robert Evan Ross, Beachwood
 Deborah Michelle Ross, Felicity
 Alida Ann Rossin, Westlake
 Guy McAlister Roth, Kettering
 Bruce Eldon Roush, Dayton
 Jennifer Lynn Rudy, Cincinnati
 William Joseph Ruhrkraut, Seven Hills
 Christina Faye Runyon, Shadyside
 Holly Ann Russell, Zanesville
 Michael Patrick Ryan, Cincinnati
 Daniel Paul Sachs, Fremont
 Mark Alan Salisbury, Beaver
 Michael Kevin Saltz, Columbus
 Daniel Mark Saltzman, Lyndhurst
 Norbert Werner Samlowski, Columbus
 Rajbir Singh Sandhu, North Royalton
 Rebecca Lynn Sandin, Pittsburgh, Pa.
 Cheryl Lynn Sapir, Pittsburgh, Pa.
 Scot David Sargel, Galion
 Brad Lee Sargent, Lexington
 Barbara Ann Satow, East Liverpool
 Michael T. Sauer, Kettering
 Donna Lee Saul, Mansfield
 Randall Lee Savin, Beachwood
 Glen Joseph Schaaf, Avon Lake
 Cynthia Ann Scharf, Amherst
 Paul Frederick Schaeel, Sandusky
 Claire Ellen Schlaifer, Columbus
 Claire Elizabeth Schlund, North Royalton
 Jeffrey Lee Schneider, Dayton
 Dorothy Harper Schreck, Columbus
 Margery Brown Schrim, Columbus
 Imogene Schroeder, Kalida
 Robert Joseph Schulte, Delphos
 Thomas James Schuster, Elyria
 Diane Marie Schutz, Chesterland
 Joan Guzzi Schwab, Lyndhurst
 Scott P. Schwartz, Columbus
 Sherri Jo Schwartz, Cincinnati

Howard Alan Schweibel,
Williamsville, N. Y.
Lisa Lynn Sczulewski, Toledo
John Patrick Seabold, LaGrange
Carol Nancy Seguin, Lenoir City, Tenn.
John Nick Sekas, Middleburg Heights
Glenn Wesley Sellke, Columbus
Mary Jill Sellke, Columbus
John Thomas Sexton, Celina
Bryce Raymond Seymour, Madison
Teri Lynn Shackelton, Newark
Deborah Kay Shaffer, Zanesville
Gary Michael Sheldt, Cincinnati
Robert Shepherd, New London
Robin Julianne Sherman, Hamilton
Kenneth Edward Shine, Warren
Daniel Bruce Shon, Beachwood
Robert Allen Shook, Whitehall
Chris Lee Shop, Columbus
Arthur Jay Short, Archbold
Elizabeth Ann Shreve, Columbus
Larry Stephen Shutzberg, Pittsburgh, Pa.
Leonard Saul Shutzberg, Pittsburgh, Pa.
Roger Allen Sicker, Mentor
James P. Siefert, Columbus
Sheri L. Simcox, Columbus
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Douglas Eric Sites, Toledo
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Julie Lynn Slaughterbeck, North Baltimore
William Oran Smeltzer, Jr., Gallipolis
Dale William Smith, Akron
Drew Evan Smith, Akron
James Wendell Smith, Sumter, S. C.
Jennifer Lynn Smith, Cushing, Okla.
Mark Warren Smith, Pickerington
Renee Donna Smith, Zanesville
Robert Lee Smith, Bellville
Vincent Allen Smith, Middletown
Robert Paul Snarr, Jr., Sidney
Joyce Louise Snell, Kettering
Diana L. Snider, Columbus
Richard James Snively, Jr., Minerva
James Michael Snyder, Lorain
Mark Bradford Sothard, Grove City
Glenn David Southwick, Euclid
Lisa Noma Stacks, Mayfield Heights
Julie Annette Stafford, Wilmington
Steven George Stanislaw, Canfield
John M. Stanton, Columbus
Theresa Joan Stanton, Columbus
Robert Charles Stanton, Mansfield
Steven Scott Stauffenger, Alliance
Dean Edward Steegman, II,
London, England
Deanna Lynn Steele, Kingston
Glenn Bryan Steele, Kingston
Beth Ann Stevens, Fostoria
Karen Elizabeth Stevenson, Columbus
David Alexander Stewart, Lima
Denise Marie Steyer, Worthington
Michael Stephen Stickney, Dayton
James Michael Stifter, Painesville
Stephen David Strader, Columbus
Chris Harold Strahm, Kenton
Peggy Elizabeth Stratman, Cincinnati
Dorothy Marie Stratton,
Farmingdale, N. Y.
Sue Ellen Strohl, Radnor
Thomas Howard Studer, Tiro
David Allen Sturms, Columbus
Sue Ellen Suter, Columbus
Paul E. Suter, Stow
John Thomas Swartz, Columbus
Michael Wheeler Tan, Seven Hills

Richard Snow Tanner, Columbus
Stephen Nicholas Tarpley,
Los Angeles, Calif.
Regina Lea Tawney, Merritt Island, Fla.
Richard Kevin Theiss, Canal Winchester
Bradley Lee Thibaut, Prospect
Joseph Martin Thomas, Cincinnati
Margaret Ann Thomas, Columbus
Mary Kathleen Thomas, Dayton
Constance Mary Thompson, Worthington
Edwin Eugene Thompson, Amanda
James Clement Thompson, Columbus
Charlotte Anne Thress, Cadiz
Mark Eric Tikson, Worthington
Kevin Benjamin Tompkins, Cambridge
Audrey Ann Torok, Youngstown
Matthew Harold Toth, Canton
Salvatore A. Totino, Cleveland
Huong Thy Tran, Columbus
Julie Ann Trudeau, Akron
Carol Ann Truske, Columbus
John F. Tsiornis, University Heights
L'Nard E. Tufts, East Cleveland
Edward Tulodziecki, Jr., North Canton
Patricia Daphne Ullman, Orange, N. J.
Michelle E. Uncapher, Findlay
Anna Sophia Untch, Columbus
Matthew William Vaccaro, Huron
Hillar Vaher, Columbus
Merilee Valentine, Columbus
Catherine Van Dyne, Columbus
Arthur John Vanderpohl, Cleves
Bradley T. Vander Zanden, Columbus
Jon Loveless Vannice, Cincinnati
James Martin Van Putten, Dayton
Patricia Ann Van Schaik, Dayton
Deborah Anne Van Steyn, Columbus
Ingrid Marie Vare, Akron
Lorraine Kay Vencel, Warren
Michelle Marie Von Lohr, Centerville
Elissa Wagenman, Shelby
Steven Ray Waggoner, Berea
Stephen Mark Wagman, Youngstown
Ronald Earl Wagner, Toledo
Sanip Bin Wahid, Malaysia
Thomas James Waldeck, Toledo
Gregory William Walker, Berea
Thomas Michael Warden,
Missouri City, Tex.
Nancy Lee Watkins, Columbus
Carole Anne Watts, Reynoldsburg
Marden T. Watts, Marion
Christopher Allen Wayt, Columbus
Rebekah Ruth Weedy, Logan
Dan David Weiner, Kettering
Lynda Lee Weiss, Hilliard
Bradford James Welch, Chagrin Falls
Susan Jane Welker, New Philadelphia
Sofia A. Wellman, Youngstown
Barry Dean Werstiak, Galion
Carol A. Westergedes, Columbus
Rita L. Weyers, Columbus
Raenada Whitby, Mogadore
Thomas Eugene Wilkins, Columbus
David Mason Williams, Shiloh
Ellen Louise Williams, Mentor
Mark Dwyn Williams, Columbus
Vivian Irene Willis, Hamilton
Jeffery Leigh Wilson, Mt. Vernon
Julie Dawn Wilson, Columbus
Thomas Edward Wilson, Dayton
Laurie Jane Wimberly, Cincinnati
Timothy Clayton Windau, Lima
Michael Howard Winters, Columbus
Jeffery Allen Wise, Galion
Michael Stephen Wohl, Schenectady, N. Y.
John Fredrick Woll, Marion, Ind.

Jeffrey D. Woo, Willowick
Sharon Ellen Wysseier, Pittsburgh, Pa.
Fouad Khaled Yamout, Beirut, Lebanon
Kathryn Kay Yazel, Marion
Michele Lee Yeager, Columbus
Danny Yee, Columbus
Jon Faye Yee, Cleveland
Lillian Yee, Mayfield Heights
Michael Lee Youmans, Dover
Terence Tsu-Yung Yuan, Cincinnati
Julana Irene Yutzye, Plain City
David Anthony Zelle, Medina
Richard Joseph Zenk, Cincinnati
Mary Jean Zontek,
Cape May Court House, N. J.

Bachelor of Science in Labor and Human Resources

Kimberly Rae Bibbo, Rayland
Alison L. Bosch, Worthington
Robert V. Brennan, Jr., Columbia, S. C.
Richard J. Burrows, Hubbard
Laura Ann Busby, Napoleon
Lori Ann Clemons, Shaker Heights
Karen M. Dober, Columbus
Jonathan Eric Fick, Springfield
Cathy Lynn Fisher, Columbus
Brian Ellsworth Hall, Canal Winchester
Walter Doerrer Harkins, Mansfield
Jennifer Ann Harris, Willoughby
Patricia Lynn Hughes, Newark
Joy Lynn McClanahan, Johnstown
William McDonnell, Braintree, Mass.
Marcia Mendicino, Columbus
Marlys S. Michael, Marion
Jill Anne Muehlheim, Akron
Bruce Fred Quill, North Canton

College of Agriculture and Home Economics

Dean: Roy M. Kottman

Bachelor of Science in Agriculture

Duane Douglas Abke, Portage
Kehinde Olaniran Akinrele, Nigeria
John Michael Albert, Logan
Rebecca Jo Aman, Seville
Francis S. Amorese, Dumont, N. J.
Michael Don Anderson, Newport
William Ignatius Anderson, Maumee
Kenneth James Bailey, Lisbon
Peter Alan Bainbridge, Chagrin Falls
Timothy Randall Barner, Middletown
Thorndike Barnhart, Circleville
Margaret Laurie Bartholomew, Elyria
Betsy Ann Bates, Harrison
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Pamela Marie Beam, Wilmington
Mark Edward Beany, Winterville
Chris Jon Beck, Stryker
Thomas Homer Beckett, Hamilton
Richard Paul Benich, Jefferson
Mark Henry Benken, Cincinnati
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 William Jennings Bichsel, New Philadelphia
 Kimberly Jo Bickel, New Vienna
 Lisa Michele Biesik, Cincinnati
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 Thomas Jay Bollinger, St. Paris
 Lori Jae Boner, Richwood
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 Karin Blythe Brauburger, Mt. Orab
 James Edward Bright, Columbus
 Lily Mae Bright, Columbus
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 John Sebastian Brusso, Cuyahoga Falls
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 Cheryl Lynn Caplinger, Hillsboro
 Jill Taylor Carman, Columbus
 Susan Borders Cherry, Columbus
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 Linda Sue Clarke, Uniontown, Md.
 Janice Laraine Colyer, Dayton
 Nadine Rae Combs, Continental
 Jenny Lynne Connell, Westerville
 Janet Lee Cryder, Kingston
 Donald Lugene Davidson, Sidney
 Randy Gerard Day, Castalia
 Arthur Allen Dean, Columbus
 Joseph John DeLauro, Highland Heights
 James Eric DeLong, Burton
 Sara Lou Derr, Upper Sandusky
 Joseph Frederick Dible, Sunbury
 David Dean Dicke, New Knoxville
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 Todd Jeffrey Duvick, Worthington
 Mel Alan Earich, Malta
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 Ava Marie Firth, Elida
 Kevin Patrick Flanagan, Van Buren
 Jeffrey John Freed, Jenera
 Debra Ann Fritzsche, South Euclid
 Linda Louise Fullenkamp, Maria Stein
 Dorothy Sue Gainer, Urbana
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 Jeffrey Charles Geeding, Eaton
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 Reneti Lee Ginter, Lima
 Robert J. Goard, Columbus
 Timothy John Gold, Naperville, Ill.
 Sandra Jean Grech, Painesville
 William Randall Greenlee, Cincinnati
 Sandra Marie Gressel, Hamilton
 Beverly Janel Grosptitch, Berea
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 Joseph Leo Gulick, Columbus
 Jonathan Alan Haines, Xenia
 Tracy Ann Hankins, Toms River, N. J.
 Judith Dianne Harvey, Mentor
 Jay Douglas Hathaway, Bloomdale
 Richard Dale Hayes, Columbus
 David Vaughn Headle, Columbus
 Kevin Clare Hecker, Mogadore
 Ruth Agnes Heinmiller, Columbus
 Randall Dean Heldman, Bluffton
 Jonathan Lee Henning, Paris
 Laura Alice Henning, Munroe Falls
 Terri Lynn Hidy, Washington C. H.
 Lisa Kay Holmes, New Concord
 Kevin Shawn Holthouse, Willard
 Thomas Lynn Holton, St. Louisville

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 Michael James Huerkamp, Cincinnati
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 Elaine Mary Kanninen, Columbus
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 Amy Blackmore King, Cleveland Heights
 Kimberly Jo Kistler, Toledo
 Rona Beth Klausner, Beachwood
 Thomas Martin Koch, Homerville
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 George Howard Kuhn, Jr., Mt. Sterling
 James Joseph Kurpiel, Dayton
 Andrew James Lee, Akron
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 Larry P. Lichtensteiger, Ohio City
 Lisa Anne Lines, Black Lick
 Karen Ruth Lowry, West Chester
 Joseph Bernard Luthman, Columbus
 Marcia Ellen Manley, Waldwick, N. J.
 Baboucar Manneh, Bonjul, The Gambia
 David Peter Mavengere, New York, N. Y.
 Rex Marlin Maxwell, Waynefield
 Kenneth Allen Mays, Bellevue
 Richard Alan McClay, Groveport
 Kenneth Frank McDonald, Delaware
 Susan Marie McGlone, Columbus
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 Fred William Melvin, Bloomingburg
 Russell Keith Merrin, Columbus
 Mark A. Middlemus, Lancaster
 James Joseph Miley, West Salem
 Lynn Dee Mishler, West Milton
 Paul Joseph Modie, West Richfield
 Thomas Gerald Moser, Perryburg
 Janet Caroline Mueller, Columbus
 Chester Warren Murphy, III, Xenia
 Melissa Maria Muth, Dayton
 Kristine Kay Myers, Columbus
 Ennis Scott Nally, Worthington
 Karl Elwood Nestor, Wooster
 Carolyn Ann Nosik, Pulaski, Pa.
 Virginia Mary Owens, Mantua
 Micah Dean Palmer, East Liberty
 Vincent James Paumier, East Canton
 Carolyn Marie Paxton, Spring, Tex.
 Beth René Perrine, Newton Falls
 Debbie Lou Peters, Oak Harbor
 Patricia Eileen Petri, West Lake
 Jody Lynn Pickle, Novelty
 Jeffrey Charles Pochedly, Hiram
 Jeffrey Scott Pontius, Amanda
 Melena Sue Quay, Rushsylvania
 Kathleen Marcia Ragen, Fremont
 Susan Teresa Rauch, Little Hocking
 Thomas Joseph Rawn, Canal Winchester
 Michael Spear Ray, Springfield
 Cindy Lou Reef, Lancaster
 Jay Arthur Regula, Bellefontaine
 Mary Katherine Reik, Columbus
 Matthew Wayne Reinhart, Cincinnati
 David Allen Richter, Gibsonburg
 Joseph Edward Rindler, Hamilton

Gretchen Ann Rives, Xenia
 Melissa Ann Robers, Canal Winchester
 Sheri Kay Robey, Columbus
 Elizabeth Ann Roll, Clarksburg
 Judith Elaine Rufner, Cincinnati
 David Stuart Rule, Columbus
 Douglas Allen Salyers, South Charleston
 Jeffrey Michael Sawastuk, Bedford
 Gary Donald Schnitkey, Napoleon
 Dale David Schott, Bolivar
 Stephen David Schumacher, Woodsfield
 Jeffrey Bryan Schwarm, Columbus
 Daniel Joseph Schwartz, New Bremen
 Melanie Ann Seaman, Shelby
 Gregory Lee Sharp, Columbus
 Mac Daniel Shell, Baltimore
 Mark James Sheneman, Columbus
 Owen Russell Shutt, Baltic
 Patricia Anne Sims, Columbus
 Dean Brian Smith, Canal Winchester
 Douglas Allen Smith, Akron
 Bradley Scott Sorrell, Eaton
 Cheryl Ann Southard, New Lisbon, N. J.
 Jennifer Jane Sparks, Rocky River
 Michael Scott Spillman, Tipp City
 Stephen Joseph Spittler, Garfield Heights
 Jeffery Richard Spracklen, Xenia
 Jon Gregory Squires, Pataskala
 B. Christopher Steiner, Pandora
 Timothy Carl Stockdale, Canton
 Judith Ann Stockdale, Wooster
 John Alan Stout, Belle Center
 Mary Jane Stowe, Ottawa
 Tracy Alan Strous, Laurelville
 Daniel Robert Sullivan, Columbus
 Kritapof Sundaravej, Bangkok, Thailand
 Brenda Lee Terbrack, North Olmsted
 Vincent Michael Testa, Fredericktown
 Nanette René Tippet, Westerville
 Sue Ellen Tomko, Grafton
 Nadine Elizabeth Toth, Geneva
 Vincent Lee Tracey, Columbus
 Bruce David Truka, Bucyrus
 Wesley Kyle Untied, Frazeysburg
 Douglas Eric Utz, New Washington
 Hope Marie Varian, East Canton
 Greg Louis VonderEmbe, Kalida
 Donna Maria Walt, Oberlin
 Matthew Khaemba Wanyama,
 Nairobi, Kenya
 Vicki Lee Warner, Bellevue
 Thomas Clyde Waters, Columbus
 Charles Steven Weaver, Germantown
 Ross LeVern Weaver, Kenton
 Anthony David Weber, Wauseon
 Terry Michael Wehrkamp, Smithville
 Jay Lamar Weiker, Republic
 Neil Theodore Welch, Vermilion
 Jill Roya Wenger, Middletown
 Victoria Lynn Whitted, Atwater
 Todd Aaron Willeke, Marysville
 Barbara Joan Williams, Columbus
 Jeffrey Lynn Winkle, Sardinia
 Lois Ann Yarnell, Westerville
 Skip Yarus, Lyndhurst
 Michele Harshman Young, Columbus
 Ruth Ann Zubowsky, Columbus

Bachelor of Science in Food Science

Daniel Fred DeHart, Columbus
 Amy Marian Fritz, Bay Village
 Jeffrey Alan Kerschner, Amlin
 Steven Thomas Luebbers, Cincinnati

Bachelor of Science in Food Technology

Jane Elizabeth Boger, Canton
Todd Eaton Farrell, Stow
Marlene Kay Hyme, Lancaster
Vilija Kristina Janavicius, Cleveland
Sarah Elaine Jerve, Columbus
Robert Sterling Updegraff, II, Worthington
James Brian Wagasy, Lima

Bachelor of Science in Nutrition

Elton Luis Irizarry, Puerto Rico
Miguel Angel Jordan, Gallipolis
Janet Kay Ross, Tiffin
Sharon Kay Shipley, Akron

School of Home Economics

Bachelor of Science in Home Economics

Jane Marie Baker, Sylvania
Stephanie Kay Baker, Mansfield
Lisa LaNell Barker, Kettering
Leslie Ann Bell, Columbus
Teresa Lynn Bernard, Columbus
Julia Ellen Bitzel, Columbus
Ann Marie Brennan, Columbus
Cathy Elizabeth Brooks, Marion
Beth A. Brown, Minford
Juli Ann Bryden, Steubenville
Tami Lea Bunnell, Marengo
Lisa Ann Burchett, Hilliard
Jill Colleen Cady, Newark
Susan deLeon Clemente, Madison
Teresa Lynn Wolfinger Coady, Columbus
Pamela Sue Coffey, Avon Lake
Nanette Esther Cohan, Cincinnati
Terry A. Cohn, Lyndhurst
Rebecca Ann Cook, St. Clairsville
Janice Sue Cooksey, Bellevue
Elizabeth Ann Cotter, Columbus
Jill Ellen Cox, Galloway
Angela Marie Davena, Waverly
Lori Ann Davidson, Connellsville, Pa.
Barbara Ann Dawson, Parma
Sharon Beth Deutsch, Aurora
Annette Marie Devitt, Ottoville
Denise Ellen Devoe, Xenia
Karen Driscoll, Cincinnati
Elizabeth Lee Eckert, Cincinnati
Lois Ann Eldrige, Columbus
Pamela Jane Ensen, Lebanon
Deborah Lynn Eymann, Lakewood
Cynthia Finley, Dayton
Robin Renee Fisher, Barnesville
Kayla J. Fitz, Middletown
Linda Mary Forst, Columbus
Kelley Victoria Fox, Dayton
Diana Lynn Fruth, Tiffin
Catherine Marie Fry, Perrysburg
Beverly Joanne Fultz, Bellefontaine
Laurie D. Gardner-Tucker, Columbus
Jane Ann Garvin, Shelby
Judith Ann Geyer, Columbus
Sue Marie Glock, Kenton
Mary Frances Gonda, Zanesville
Holly Marie Good, Columbus
Pamela Jean Gordon, Mansfield
Joan Preston Gundling, Euclid
Lynne Degler Hall, Marysville
Linda Sue Harsh, Delaware

Lynn Sanderson Harvey, Delaware
Lynn Julia Heitkamp, Columbus
Jodelle D. Henry, Grove City
Amelia Louise Howard, Columbus
Brenda Sue Hutchins, Sidney
Paula Sue Ingram, Cuyahoga Falls
Ann Mary Jacobs, Cincinnati
Kelly Denise Keil, Columbus
Rebecca R. Kilgore, Columbus
Kimberly Ann Kunkler, Wooster
Mary Kathryn Kurdziel, Lyndhurst
Debra Lynn Kurtz, Middlefield
Michelle Anne Lavelle, North Olmstead
Jayne Lynn McCandlish, Lancaster
Mary Ann McLaughlin, Woodsfield
Julie Ann McVey, Marysville
Robyn Amy Meizlish, Columbus
Linda See Mirosovich, Worthington
Lisa Marie Morton, Galena
Barbara Jean Murcko, Brookfield
Laura Anne Mutchler, North Canton
Ellen Ann Myers, Mansfield
Jane Elaine Myers, Mt. Gilead
Ada Marie Nowak, Chester, Va.
Venetia Orlandi, McDonald, Pa.
Linda Susan Plimpton, Grove City
Susan Marie Pyle, Clinton
Doris Lynene Rainsberger, Columbus
Chelsie Alexander Rhodes, Sr., Columbus
Gerri Lynn Rini, Columbus
Mary Theresa Ritchey, Worthington
Amy Tuomala Rush, Columbus
Cynthia Ann Sagan, Somerset
Jane Marie Schoewe, Sandusky
Glوريا Gay Scott, Columbus
Bonnie Jacqueline Shankman, South Euclid
Susan Elaine Sigler, Akron
Mary Kay Smith, Jeromesville
Stephanie Miller Smith, Columbus
Corinna A. Snipes, Shiloh
Trina Marie Spadafore, Mt. Vernon
Victoria Ann Stoll, Steubenville
Laurel Anne Tares, Columbus
Roma Daria Telishewsky, Parma
Beth Ann Terhune, Chagrin Falls
Rhonda Leigh Veach, Portsmouth
Patrice Marie Walker, Lakewood
Virginia S. Wilson, Columbus

Bachelor of Science in Nutrition

Marcia Lee Mitchell, Strongsville
Samuel Nicholas Pupino, Youngstown
Kevin Dale Schlessel, Mayfield Heights
Noreen Adelle Wilson, East Cleveland

Bachelor of Science in Restaurant Management

Gregory Joseph Antill, Zanesville
Kim G. Bache, Huron
Thomas Robert Phillips, Columbus
John Spencer Tiffany, Columbus

School of Natural Resources

Bachelor of Science in Natural Resources

Dianne Lynn Aleshire, London
Tony G. Antoniadis, North Canton
Michael Lee Ashburn, Columbus
Kenneth William Bach, Valley City
Frank Robert Beum, Columbus
Susan D. Boettler, North Canton
Michelle Jeannette Carlat, Columbus
Carl Casavecchia, Jr., Cuyahoga Heights
Laura Jean Chonko, North Royalton
Richard Alan Clark, Columbus
Martin Bennett Cohan, Loveland
Leslie Hutchings Craig, Columbus
Tony Lenker Custer, Rossburg
Christopher William Dauner, Cincinnati
Brent Joseph Devitt, Ottoville
William Spears Dieckhoff, Dayton
Kevin Lee Diehl, Pickerington
David John Diment, Xenia
Dale Robert Eckard, Lakewood
Robert Hogan Fletcher, Bay Village
Dean Leigh Fowler, Chagrin Falls
Cynthia Jean Fushimi, Dayton
Thomas Allen Gifford, West Chester
Mark Francis Golitz, Houston, Pa.
Alfred Franklin Goshorn, Worthington
William Bart Griffith, Sparta
Sander Oscar Hacker, Nutley, N. J.
Douglas Edward Hall, Englewood
Russell Spencer Hampton, Columbus
Rebecca deSchweinitz Hays, Pittsburgh, Pa.
Peter Brian Henne, Columbus
Jill Elizabeth Herrold, Chardon
Carol Ann Holdsworth, Bethel Park, Pa.
Darci Faye Howard, Milford Center
Donna Linn Jackson, Columbus
Jody Ann Jarman, Felicity
Judi Beth Kerrigan, North Olmsted
Kurt Robert Knebusch, Bay Village
Carey Thomas Knight, North Bloomfield
Thomas Edward Kohan, Parma
John Alex Koteles, Garfield Heights
Richard Michael Kukor, Columbus
Robert L. Ladin, Elizabethtown, Ky.
David Scott Lindsay, Cincinnati
Regan Eugene List, Ashville
Susan Annette MacLaughlin, Cincinnati
Sidney Alan Mayfield, Akron
Anthony Mayo, Mansfield
James William Mickey, Somerset
John Stephen Minutili, Grove City
Eve Marie Molnar, Independence
Kristine M. Mount, Clayton
Michael David Mullen, Lewisburg
Tracy Mark Murray, McConnellsville
David Michael O'Brien, Dayton
Chad O'Leary, Toronto
Nathan Paul Osborne, Worthington
Lisa Marie Perna, Bay Village
David Stanley Prazynski, Fairfield
Mark Taylor Priaux, Columbus
Laura Lynn Purdy, Cincinnati
Mary Kim Raderstorff,
North Manchester, Ind.
Ronald Gene Robinson, Columbus
George William Rodway, Akron
James Henry Romeo, Columbus
Andrea Diane Rouse, North Olmsted
Catherine Rusnak, Parma
Douglas Edward Sassen, Columbus
Steven Scott Schaller, Lima
James Joseph Schneider, Kettering

Sarah Anne Schwemler, Stow
 Brenda Jane Seith, Columbus
 Mark Charles Spiro, Olmsted Falls
 James William Steen, Columbus
 Scott J. Szuter, Kirtland
 Mary Elizabeth Taggart, Worthington
 Kevin Earl Toms, Magnolia
 Clifford Thomas Turk, Clinton
 Bradley Alan Walker, Marion
 Tamara Beth Walker, Lynchburg
 Sandra Jeanet Washington, Columbus
 Beverly Jane West, Middletown
 Heidi Sue Williams, Columbus
 Michael James Yerman, Westerville
 Barbara Ann Zebroski, Warren
 Maryellen E. Zeitler, Northfield

Jennifer Ann Gardner, Loudonville
 Addie Allison Garrison, Wooster
 Jennifer Lynn Gerding, Hillsboro
 Dale Robert Gilliland, Nevada
 Carmela Sue Godfrey, Philo
 Alex A. Gonyias, North Canton
 Jeffrey Richard Good, Napoleon
 David C. Grady, Wadsworth
 Robert Bruce Graff, Columbiana
 Matthew Gerard Gress, Geneva
 Terry Elwin Hambleton, Madison
 Carol Ann Hauenstein, Dalton
 Keith Stanley Hawk, Lima
 Roger Alan Haywood, Elyria
 James Robert Heckel, Roseville
 Harvey Neal Hendrix, West Union
 Linda Kay Herman, Creston
 Erin Jay Hill, Ravenna
 Kevin Carl Hinds, Newcomerstown
 Norbert John Hoerst, Cincinnati
 Barry Clarke Hogue, North Ridgeville
 Melissa Martha Hooverman, Garrettsville
 Dennis Lee Humphrey, Dunkirk
 Christopher Avery Immel, Seville
 Eric William Indorf, Beach City
 Daniel Brian Jacobson, Madison
 Joseph David Kanoz, Painesville
 Bently T. Karra, Geneva
 Michael Andrew Kessler, Cadiz
 Sally Anne Keets, Ashland
 Robert Eric Kehres, New Washington
 Robert Edward Kelly, Wadsworth
 Fred Wayne Kieseewetter, Piqua
 Diane Louise Knight, North Olmsted
 Susan Lynn Kreamer, Richwood
 Marvin Lionel Krieg, New Bremen
 Georgia Marie Kuhle, Flagtown
 Sara Lynn Lamp, Lancaster
 David Matthew Lansinger, Kent
 Deborah Lynn Lauter, Perrysburg
 Kent Douglas Law, Crestline
 Ronald Dean Libben, Port Clinton
 Ted Eugene Litt, Lexington
 Michael Wayne Lyons, Beverly
 Sandra Lee Macdonald, Steubenville
 Theresa Marie Malone, Marietta
 John William Marker, West Salem
 David Eugene Markley, West Lafayette
 Brent Richard McCloskey, Jamestown, Pa.
 Linda Jean McPherson, Streetsboro
 Daniel Lynn Meyer, Napoleon
 Steven Joseph Meyer, Union Grove, Wis.
 Richard Johnny Minyo, Jr., Cumberland
 Michael Luther Moenter, Pemberville
 Barbara Kay Morrow, Ashland
 David Paul Motz, Cincinnati
 Rebecca Lynn Myers, Willard
 Carol Ann Nehrenz, Lakewood
 Robin Eugene Nofziger, Pettisville
 Jeffrey Alan Nold, Shelby
 James F. O'Brien, Chagrin Falls
 Patricia Ann Parker, Pomeroy
 Douglas Eugene Parsell, Forest
 Chris Edward Paul, New Knoxville
 Lynn Louise Pascos, Pittsburgh, Pa.
 Scott John Piter, North Olmsted
 Ada Ruth Piststick, Xenia
 Roscoe Crockett Porter, Jr., Ashland
 Maria Pulice, Monroeville, Pa.
 Carol Jean Purcell, Loudonville
 Diane Christine Pushwal, Garrettsville
 Mark Otis Raber, Sugarcreek
 Kenneth Earl Ramsey, Ridgeway
 David Alan Reid, Perrysburg
 Mark Alan Reisch, Worthington
 Jeffrey John Riegelsberger, Elyria
 Kelly Ann Rogers, Lancaster
 Randy Joseph Rohr, Canal Fulton
 Jerome Michael Roman, Parma

Gregory Eric Rowan, Canal Fulton
 Anthony Michael Rozzi, Logansport, Ind.
 Jane Ann Rozzi, Logansport, Ind.
 Carl David Rupprecht, Seville
 Amelia Elizabeth Rust, Owensboro, Ky.
 John Charles Scheerer, New London
 Vicki Ann Schmitt, Sylvania
 Brenda Sue Schult, Pemberville
 David Lyle Schulte, Genoa
 Sabrena Jane Schweyer, Jeromesville
 Jeffrey Allen Seabrooks, Pataskala
 Anthony Paul Siebeneck, Rushsylvania
 Christopher Douglas Sizemore, Oxford
 Mark Slavik, Lakewood
 Peggy Sluss, Rochester
 Frank John Smith, Cleveland
 Timothy Scott Smith, North Canton
 Judy Ann Snyder, Sugarcreek
 Melvin Robert Stein, Gainesville, Va.
 Lisa Ann Stiner, Ashland
 Arthur Leroy Stoller, Sterling
 Brian Mark Sugerman, Wooster
 Joseph Stanley Super, Vermilion
 Brian Kenneth Swaney, Harrod
 Timothy James Tener, Circleville
 Polly Pratt Ullom, Centerville
 Jerry Lee Valdinger, Scio
 Douglas Edward Walton, Sycamore
 Steven Roy Weeman, Orrville
 Kim Mildred Wilson, Galena
 Robert Leonard Winterhoff, Mechanicsburg
 Mary Anne Witt, Brook Park
 Mark Edward Zasadinski, Madison
 Jennifer Kay Zemrock, Wooster

Agricultural Technical Institute-Wooster

Associate in Applied Science

Michael Thomas Adams, Parma
 Eric Charles Addington, Cincinnati
 Matthew Vance Alexander, Findlay
 Michael Elden Baker, Monclova
 Heidi Beth Bargahiser, Mansfield
 Kristin Elaine Bartter, Wooster
 Roy Roger Bauer, LaRue
 David Robert Baum, Toledo
 Linda Ehrman Beardsley, Medina
 David John Beattie, Galloway
 Virginia Torrey Benedict, Perrysburg
 Kathleen Ann Benjamin, Mantua
 Lisa Maria Berlier, Bethel
 Gary S. Besancon, Sterling
 Matthew Thomas Best, Jewett
 Cecilia Ann Bick, Norwalk
 Dawn Michelle Bickel, Cincinnati
 Christina Lee Bowman, Lakeview
 Jon Bruce Brinkerhoff, Salem, Ill.
 Laurie Anne Brower, Cambridge City, Ind.
 William Campbell Brower, Cambridge City, Ind.
 Sue Ellen Brown, Wooster
 Keith Raymond Bruner, Wauseon
 Vicki Lynn Carpenter, Willard
 Andy William Cavinee, Monroeville
 Timothy Wayne Cole, Conneaut
 Daniel Wayne Corfman, Holmesville
 Christopher Todd Corn, Whiteland, Ind.
 Ann Marie Corniels, North Olmsted
 John Andrew Danko, Middleburg Heights
 Gregory M. Davis, North Olmsted
 James Jude Davis, Akron
 Scotty Wayne Davis, Sandusky
 Penny Marie Dawson, Washington C. H.
 Mickey Lou DeCarlo, Wooster
 Maria Cecilia DeLamerens, Gallipolis
 David James Demidovich, Westerville
 Alan Stearns Derikito, Sullivan
 Denise Louise DeVere, Marshallville
 Douglas Edward Dickman, Rock Creek
 Ann Elizabeth Donnelly, Cincinnati
 Philip Wesley Dorn, South Solon
 John Joseph Doverspike, Neshah, Wis.
 Rhonda Kay Ebbsmier, Ottawa
 Gene Alan Ebsenshade, Ashland
 Robert Lindsay Esselburn, Shreve
 Margaret Falk, Helena
 Matthew Dale Feikes, New Carlisle, Ind.
 Penny Ann Fitzpatrick, Marysville
 Danny Coe Fry, Wooster

College of Dentistry

Dean: William R. Wallace

Certificate of Graduate Dental Hygienist

Theresa Dankowski Arnett, Mansfield
 Rebecca Sue Beaty, Worthington
 Beth Belinda Brooks, Alexandria
 Joanne Marie Brosmer, Worthington
 Sandy Lee Burkett, Massillon
 Susan Andrea Cella, Columbus
 Belinda Lee Copeland, Hudson Falls, N. Y.
 Virginia Christine Crandall, Bay Village
 Elizabeth Ann Davidek, Columbus
 Dawn Marie Dickman, Sandusky
 Nada Divic, East Canton
 Katrina Cotsamire Dreyer, Columbus
 Mary Catherine Einsel, Ft. Myer, Va.
 Pamela Jane Eringman, Columbus
 Linda Ann Geiger, Maumee
 Lauren Lisa Groscoat, Lakewood
 Jayne Doreen Hart, New Madison
 Cynthia Jo Hoffman, Ravenna
 Lori Jane Kiourtsis, Columbus
 Cynthia M. Knoch, Columbus
 Vicki Lynn Kuhn, Columbus
 Valerie Ann Kutchera, Cincinnati
 Deana Lynn Kycler, Toledo
 Theresa Rosaire Leahy, Hilliard
 Karla Sue Ledford, Dayton
 Ann Marie Lieb, Kinsman
 Lisa Ann Lintner, Circleville
 Francine Beth Mason, Cadiz
 Nancy Ann Milar, Cincinnati
 Lisa Marie Montgomery, Canton

Cynthia Elizabeth Moore, Tulsa, Okla.
 Cynthia Jean Ofer, Louisville
 Barbara Jean Page, Toledo
 Irene Marie Parkhurst, Fremont
 Lynn Marie Parr, Mansfield
 Kimberly Jean Postma, Columbus
 Carol Ann Quinlan, East Liverpool
 Denise Ann Racer, Shelby
 Sandra Marie Reiss, Columbus
 Mary Anna Roth, Lebanon
 Terie Ann Schake, East Amherst, N. Y.
 Nancy Ann Schomaker, Cincinnati
 Pamela Lynn Sheatsley, Alliance
 Maureen G. Shonebarger, Newark
 Patricia Lynn Shrilla, Mansfield
 Monica Ann Skebo, Johnstown
 Robbi Sue Storts, Willard
 Arlene Mae Weissman, Reynoldsburg
 Teresa Anne Wirth, Columbus
 Emily Grace Wolpert, Marysville
 Jennifer Jane Wright, Newark
 Terri LynnAnn Young, New Washington
 Diane Therese Zvosec, Elyria

Sandra Rochelle Brock, Cincinnati
 Deann Louise Brooks, Wooster
 Deborah Jane Brown, Sugarcreek
 Paul Waring Brown, Sylvania
 John David Bruns, Jr., Westerville
 Susan M. Buckalew, Delaware
 Shari Elaine Buehler, Kokomo, Ind.
 Deilia Cynthia Butler, Arverne, N. Y.
 Susan Marie Buttress, Columbus
 Clara Elaine Cail, Richmond, Ind.
 Eva Marie Cannon, Johnstown
 Charles J. Capizzi, Sandusky
 David Steven Caplan, Dayton
 Jonda Anne Carey, Wilmington
 Patricia Sue Cassell, Lima
 Pamela Jayne Chaney, Delaware
 Carol Ann Cheney, Columbus
 Virginia Cassidy Christman, Columbus
 Kimberly Ann Chronister, Plymouth
 Sarah Howland Clark, Lexington
 Sally Roan Clary, Newark
 Carla Joanne Coberly, Akron
 Mary Ann Coen, Massillon
 Lisa Marie Cola, Berea
 James Carl Coldren, Marion
 Jodi Lynn Collins, Urbana
 Colleen Marie Coon, Columbus
 Brenda Kay Cooperrider, Croton
 Tammie Marie Cordy, Westerville
 Julie Lynn Cronenwett, Galion
 Treva Lynn Cummings, Carrollton
 Cathy Ann Curtis, Fairfield
 Toni Lenker Custer, Rossburg
 Margaret Mary Dardinger, Columbus
 Dennis Joseph Daugherty, Lancaster
 Linda Sue Davis, Marion
 Tresa Davis, Columbus
 Cynthia Lea Dearth, McArthur
 Nancy Ann DeCaprio, Mayfield Heights
 Teresa Foos Decker, Lima
 Dana Marie Dee, Lima
 Margaret Ilene Lee Defenderfer, Gahanna
 Loreah Kay DeMoss, Chesterfield
 Glenda Sue Dennis, Newark
 Terri Lynn Dershem, Marietta
 Brent Joseph Devitt, Ottoville
 Carol Sue Dick, Madison
 Dale Lynn Dickson, New Lexington
 Michela Mary DiTommaso, Columbus
 Cheryl Lynn Dorsey, Tipp City
 Cassandra Jean Dotson, Bucyrus
 Daniel Lee Dotson, Bucyrus
 Mary Louise Downey, Athens
 Judy Ann Drewes, Columbus
 Jane Ellen Dudley, Pataskala
 Duane David Dunlap, Columbus
 Debra Anne Dworkin, Shaker Heights
 Julie B. Ebert, Columbus
 Brenda Lee Lower Elliott, Columbus
 Debora Kay Ellison, Columbus
 Susan Elaine Elmore, Sidney
 Elizabeth Ella Emans, Luckey
 William Francis Endres, Grove City
 Lynette Engle, Mt. Sterling
 Sylvia Rayella Turner Engle, Tiffin
 Judith Lynne Farrell, Geneva
 Patricia Ann Fauss, Columbus
 Christine D. Featherston, Columbus
 Thomas Brown Fees, Marion
 Sally Elizabeth Fenton, Elida
 Douglas Ray Ferrall, Cuyahoga Falls
 Barbara Ann Finitzer, Lima
 Annalise Christine Fischer, Columbus
 Joyce Ann Fischer, Newark
 Deborah Ann Fisher, Cincinnati

Lori Frances Flegle, Pataskala
 Theresa Ann Foley, Eastlake
 Tamara Kaye Freisner, Springfield
 Tracey Ann Friedman, Dayton
 Kristi Hoobler Frye, Newcomerstown
 Lisak Ann Fulston, Pataskala
 Jill Jeannine Funderburg, Vandalia
 Cindy Lee Galada, Brecksville
 Gregory Martin Gallagher, Columbus
 James Joseph Gardell, Columbus
 Diana Kay Garver, Ada
 Louis Keith Gaspar, Whitehouse
 Karen Wineman Gault, Ashland
 Karen Sue Gehrig, Columbus
 Cheryl Diane Geyer, Galloway
 Christian Allen Gibson, Bay Village
 Cynthia Kay Gildersleeve, Austinburg
 Catherine Mary Glass, Celina
 Pamela R. Glick, Beachwood
 Michael Christopher Golden, Columbus
 Lynn Ellen Gorbett, Chagrin Falls
 Pamela Jo Gottschalk, St. Marys
 Lynn Diane Gragon, Bellbrook
 Paulette Michele Grant, Cincinnati
 Brenda Cheryl Graves, Radnor
 Lauri Ann Green, Bucyrus
 Olivia Clark Griffin, Columbus
 Janet Sue Grimm, Richmond
 Antoinette Lynne Grissinger, Wellington
 Marc Grodner, Columbus
 Elizabeth Joan Guehl, Dayton
 Pamela Sue Guy, Westerville
 John Curtis Hall, Marion
 Robert Allen Hall, Columbus
 Jill Annette Hamilton, Columbus
 Patricia Ann Hanley, Columbus
 Miriam Harman, Galion
 Kerri June Hart, Fredericktown
 Jackie Lynn Harter, Apple Creek
 Mary Lynne Hatcher, Kenton
 Lisa Gay Hatfield, Columbus
 Joy Lee Hay, Ashville
 Rebecca deSchweinitz Hays, Pittsburgh, Pa.
 Ronald Eugene Heath, Jackson
 Lynne Anne Heckathorn, Lexington
 Ellis Charles Helge, Jr., Upper Sandusky
 Deborah Lynne Henderson, Salem
 Michele Ruth Herschaft, Pickerington
 Sanford Dave Hertz, Columbus
 Joseph Walter Hesselbrock, Reading
 Gail Fimrock Hetzler, Columbus
 Sandra Lee Hewitt, North Olmsted
 Barbara A. Hinkle, Dayton
 Doris Ann Spears Hirschy, Willard
 Karen Marie Hiser, Clarksburg
 Brenda Joyce Hollingsworth, Newark
 Leslie J. Holt, Lima
 Kristin Ann Honig, Newark
 Paul Eric Hooge, Newark
 Constance Marie Hornyak, Solon
 Edward Hosey, Sandstone, W. Va.
 Diana Marie House, Columbus
 Barbara A. Huggett, Hilliard
 Susan L. Hullinger, Columbus
 Carol Ann Humphrey, Columbus
 Diane Allison Hutchinson, Kettering
 Shelley Rae Emig Hutson, Wapakoneta
 Lynne Ellen Immel, Dundee
 Nancy Lynn Isenberg, Dayton
 Karen Kay Jackson, Buckeye Lake
 Pamela Ann Jackson, Newark
 Jamie Lynn Jacobs, Plymouth
 Jayne Frances Johnson, Columbus
 Matthew William Johnson, Marion
 Barry Lee Jolliff, Wooster
 Judith Renee Jones, Jackson
 Lauri Jill Katz, Shaker Heights
 Susan D. Keiser, Grove City
 Cynthia Kay Keller, Thornville

College of Education

Dean: Robert A. Burnham

Bachelor of Science in Education

Joyce Yeager Adair, Mansfield
 Sharon Renfro Adams, Canal Winchester
 Mollie Marie Ahern, Akron
 Lisa Ruth Akers, Coshocton
 Susan Linnea Alexander, Columbus
 Jennifer L. Allemang, Galloway
 Catherine Gay Allison, Canal Winchester
 Louis Scott Anderson, Lyndhurst
 Shawn Renee Armstrong, Cambridge
 Amos Dala Asimin, Nigeria
 Vicky Darlene Atwood, Columbus
 Paul Scott Bacher, Urbana
 Drue Ellen Bailie, Cadiz
 Julia Anne Baker, Sidney
 Patricia Marie Baker, Newark
 Paul Douglass Baker, Wakeman
 Wendy Louise Baldwin, Reynoldsburg
 Sarah Ruth Banker, Cincinnati
 Mary Anne Barney, Sandusky
 Kristine Kuehne Bauerle, Columbus
 Kenneth Gregg Beall, Dayton
 James Kevin Beardsley, West Carrollton
 Karen Marie Beaston, Attica
 Mary Lennon Belford, Westerville
 Dee Ann Benander, Steubenville
 Gay Lee Bennett, Columbus
 Leslie Denise Bennett, Columbus
 Andrea Biermacki, Toledo
 Stephen Dwight Blake, Columbus
 Pamela Alice Blakey, Columbus
 Barbara Caroline Bliss, Fremont
 Cynthia Sue Bolen, Grove City
 Brenda Jean Bolender, Circleville
 Shelley Renee Thompson Bope, Plain City
 Patricia Lowe Bowman, Delaware
 Cynthia Elaine Bradley, North Canton
 Bonnie Sue Brammer, Springfield
 Roberta Ann Braunbeck, Newark
 Laurie Anne Braverman, Columbus
 Elizabeth Sue Brenner, Beachwood
 Sharon Kay Brester, Lima

Gale Ann Kelley, Parma Heights
 Carol Ann Kendall, Columbus
 Julie Ann Kennedy, Columbus
 Karen Annette King, Columbus
 Quincy Atterberry Kiracofe, Delphos
 Drew Edwin Kirian, Arcadia
 Patricia Joan Kirwin, Columbus
 Kimberly Anna Kmet, Akron
 Stella Ing-Lin Ko, Columbus
 Sally O. Koch, Powell
 Jeffery Chad Kolarik, Upper Sandusky
 Kathryn Jeanne Kramer, Lima
 Charlotte Ann Krueger, Spring Valley
 Lynne Ellen Kruke, Sheffield Village
 Judith Hildegard Kuhlman, Cloverdale
 Cherie Jane Kuhn, Mt. Sterling
 Michael Lee Lakin, Dayton
 Linda Miller Landis, Lancaster
 Pamela Sue Latker, Columbus
 William Allen Law, Hilliard
 Kelly Martin Leckrone, Columbus
 Timberly Sue Leffler, Columbus
 Carol Lynn Lefter, Topeka, Kans.
 Gayle Williamson Levine, Blacklick
 Robert Nathan Lindeman, Columbus
 Patricia McMahon Lindquist, Mansfield
 Elise Donelson Lingenfelte, Loudonville
 Tamera Rae Linke, Warren
 Christina S. Lockett, Wadsworth
 Linda Kaye Lookenott, Granville
 Linda Sue Lopez, Newark
 Herbert Mayhew Lord, Jr., Ashland
 Marcia Helene Lubeach, Lima
 Barbara Carroll Lyons, Westerville
 Pamela Ann Maceyko, Maple Heights
 Donna Marie MacFarland, Cincinnati
 Julie Ann Mahoney, Columbus
 Margaret Louise Maidlow, Cincinnati
 Karen Lee Mandel, Columbus
 Laura Marie Maraldo, Cleveland
 Gregory Dean Markley, Kenton
 Kathy Lynn Marsh, Columbus
 Lisa Ann Marshall, Zanesville
 Beth Ann Martin, Richmond
 Jillian Anne Martin, Columbus
 Carol Marie Maser, Columbus
 Gretchen Mary Matthey, Steubenville
 Pamela Sue Maxwell, Houston, Tex.
 Virginia Jean May, Westlake
 Mary Patricia McCartney, Maumee
 Barbara Ann McCaslin, Columbus
 Rebecca Ann Sharpe McClure, Delphos
 Debra Whisler McCollough, Grove City
 Kim McConnell, Sedalia
 Anne Brock McCord, Marion
 Nancy Lynn McCrackin, Marietta
 Paula Sue McCullough, Marietta
 Jeffrey Alan McGarvey, Columbus
 Leesa Kristine McIlwain, Carroll
 William Edwin McKenna, Springfield
 Jill Snively McKinley, Westerville
 Anne Blaine McMullen, Cincinnati
 Lisa Dispenette McNichols, Hebron
 Loretta Joan Melaragno, Columbus
 Jane Schlemmer Mellick, Mansfield
 Nancy Jean Merrick, North Canton
 Susan Jean Mestrovic,
 Grosse Point Farms, Mich.
 Rebecca Kay Michelson, Lyndhurst
 Deborah Eileen Mickelson, Tiffin
 Brian J. Milleman, Newark
 Christine Ann Miller, North Canton
 John David Miller, Middletown
 Marshall Kay Miller, Kinsman
 Deborah Sue Mohr, Tiffin
 Kirk Schaefer Moll, Xenia
 Amy Jo Montgomery, Eaton
 Kimberly Ann Moore, Merritt Island, Fla.

Paula Ann Morgan, Chillicothe
 Georgeann A. Mosberg, Baltimore
 Simone Moss, Cleveland
 Matthew James Murphy, Tampa, Fla.
 Lisa Anne Murray, Elmira, N. Y.
 Bonnie Sue Myers, Mt. Sterling
 Lisa Renee Myron, Mt. Vernon
 Dawn Marie Nelsen, Concord, Calif.
 Pamela Elizabeth Nethers, Newark
 Terri Lee Nixon, Pataskala
 Shella Faye Norris, Leesburg
 Jon Kingston Norton, Wellington
 Sherri Lynn Ogborn, Shelby
 Patricia Lynn Olvera, Columbus
 Lorraine Van Ness Orban, Newark
 Karen S. Pasheilich, Lexington
 Jill Dey Pauff, Lima
 Glade Thomas Pauley, Salem
 Molly Beth Perdue, Columbus
 Myrna Lou Peters, Mansfield
 Ruth Ann Pierce, Middletown
 Carol Jean Poland, Springfield
 Jann Ellen Poling, Marion
 Susan Hope Pommert, Washington C. H.
 David Stanley Prazynski, Fairfield
 Michael Lane Prickett, Columbus
 Cheryl Eileen Pusti, North Royalton
 Jean Marie Rackett, Lebanon
 Donna St. Clair Radcliff, Columbus
 Susan Marie Randels, Worthington
 Joseph Thomas Reilly, Columbus
 Laura Diane Repke, Gahanna
 Debra Jeannette Reynolds, East Liverpool
 Dale Martin Rhine, Columbus
 Steven Paul Humphrey Ricard, Columbus
 Rebecca Jo Rickly, Loudonville
 Mary E. Rigali Kiepenhoff, Lima
 Ruth Elizabeth Rittberger, Zanesville
 Dyana Colgin Robenalt, Columbus
 Courtenay Davis Robinson, Columbus
 James Irvin Robinson, Mansfield
 Nancy Lee Robinson, West Lafayette
 Deborah Lee Rodefer, Alliance
 Barbara Ann Roop, Elida
 Janet Sue Ross, Sidney
 Suzanne Louise Ruhm, Cincinnati
 Kathy Jo-Ann Runkel, Steubenville
 Buddy Wayne Rupe, Galion
 Leslie GeNell Rurode, Covington
 Deborah Ann Rush, Cortland, N. Y.
 Thomas Allen Russell, Lexington
 Sandra Kenney Rutter, Mt. Vernon
 Georgianna Hanshaw Rymer, Columbus
 Kathleen Salsler, Columbus
 Sue Maleia Salsler, Johnstown
 David Alan Sayre, New Philadelphia
 Lisa Ann Sbrochi, Columbus
 Donald Kevin Schaefer, Reynoldsburg
 Michelle Annette Schafer, Toledo
 Peri Jo Schmerbeck, Clyde
 Ann Elizabeth Schmidt, Mansfield
 Donna Lynn Schneider, Columbus
 Christine Sue Schreck, Columbus
 Lisa Rene Schumacher, Pandora
 Laurie Lee Seabeck, Willoughby
 Kathleen Louise Seeds, Boardman
 Mary Seelbach, Columbus
 Susan Elizabeth Seikel, Akron
 Randall J. Sells, Dayton
 Lynn Robin Shaeffer, North Olmsted
 Melissa Dunmire Shaffer, Galloway
 Haven Clark Shelton, Worthington
 Kimberly Sue Sherrard, Zanesville
 John Gregory Shivener, Reynoldsburg
 Deborah Sue Shoaf, Columbus
 Deborah Lou Shoemaker, Bourneville

Larry Gilbert Siferd, Lima
 Mark Alan Sigler, Columbus
 Julie Anne Slagle, Columbus
 Billie Karen Smith, Bexley
 Deborah Louise Smith, Cincinnati
 Cheryl Ellen Smith, Columbus
 Jany Lee Snoddy, Columbus
 Karen Ellen Sobul, Clifton, N. J.
 Susan Ann Sovine, Tipp City
 Linda Keturah Spencer, Columbus
 Jeannette Rene Spohn, Somerset
 Susan Renee Squire, Defiance
 Roderick Glenn Stancliff, Cincinnati
 Debra Ann Stauffer, Massillon
 Elaine Steinhauser, Circleville
 Robert Richard Stephenson, II,
 New Philadelphia
 Raymond Loyal Stewart, Delaware
 Gale Ann Stiles, Rocky River
 John Gerald Stipek, Jr., North Olmsted
 Linda Jo Stockwell, Delphos
 Brenda Kae Susi, Worthington
 Sheila Jo Szabo, Canton
 Kimberly Jean Tabor, Mansfield
 Alison Heather Taylor, Xenia
 Annette Dianne Taylor, Mansfield
 Kathryn Anne Taylor, St. Marys
 Patricia Ann Taylor-Broberg, Columbus
 Beverly Stone Thompson, Marengo
 Edgar Kay Thompson, Jr., Ostrander
 Joyce Lynne Thompson, Tiltonsville
 Kay Elizabeth Thompson, Port Clinton
 Mary L. Thompson, Columbus
 Lisa Marie Todd, Columbus
 Kimberly Lynn Tolbert, Niles
 Lori Jean Tolliver, South Solon
 Mary Frances Tornes, Columbus
 Donald Jerome Toth, Delaware
 Richelle Louise Townsend, Wadsworth
 Kathleen Marie Trainer, Lima
 Joanne Ella Trende, Streetsboro
 Kelly Leigh Trent, Jacksonville, Fla.
 Maryalice Bower Turner, Columbus
 Debra L. DeFouw Valentine,
 Upper Arlington
 Grace Brophy Volker, Columbus
 Margaret Lynn Volzer, Burton
 Marsha Irene Vonderembse, Lima
 Linda Lee Wachtel, Orrville
 Carol Lee Wagner, Edison
 Rita Jean Walker, Mansfield
 Timothy Allen Walkup, Reynoldsburg
 Elizabeth Jane Wallace, Worthington
 Jodi Lynn Warner, Louisville
 Ahmed Cham Wasa, Bauchi, Nigeria
 Robin Beth Weinstein, Norfolk, Va.
 Joseph Jerome Weis, Galion
 Victoria Lynn Welch, Pickerington
 Sherri Becker Wellert, West Salem
 Dana Jo Whited, Hamilton
 Marcelle Marie Wilder, Newark
 Christine Marie Wilhelm, Reynoldsburg
 Anthony Gerard Williams, Franklin
 Doris R. Wilmington, Lorain
 Karen L. Wilson, Reynoldsburg
 Robert Lawrence Winkler, Lima
 Lisa Ann Wirthman, Columbus
 Liliane M. Wiswell, Lima
 Vicki Ann Woodrum, Columbus
 Carla Adams Yale, Hilliard
 Steven Edward Yoder, Plain City
 Teresa Jo Yontz, Caldwell

Rita Crayercroft Young, Kent
Marcia Sue Yunker, Galion
Fern Ilene Zuckerman, Beachwood

**Bachelor of Art Education and
Bachelor of Music Education**
degrees are offered jointly by the
College of the Arts and the
College of Education.

Candidates are listed under
College of the Arts.

College of Engineering

Dean: Donald D. Glower

Bachelor of Science in Aeronautical and Astronautical Engineering

Jose Gregorio Aguilar,
Maracaibo, Venezuela
Mark Edward Bartman, Worthington
James Kenneth Black, Flemington, N. J.
Bruce Alan Carter, Circleville
Russell Brian Cline, Lancaster
Brian Samuel Hays, Wadsworth
Kris Phillip Hein, Madison
Jack Henry Lucas, Wyoming, Mich.
Jeffrey Lynn Maresh, Walton Hills
Donn Michael Mills, Canal Winchester
Steven William Rudy, Columbus
Margaret Grace Schweitzer, Lisbon
Wayne Allen Spence, North Robinson
Jon Edward Spryer, Grove City
John Gerard Standen, Cleveland Heights

Bachelor of Science in Aviation

Michael Alan McCoy, Chillicothe

Bachelor of Science in Agricultural Engineering

David Lee Diefenthaler, Martin
Charles Richard Frazier, Newark
Jerry Lee Harris, Cardington
Jeffrey Bay Helmut, Orrville
Michael Kent Holloway, Willshire
Debra Jo Martin, Genoa
Sue Ellen Nokes, Canal Fulton
Asye Sevin Tin, Columbus
Gregory Charles Topp, New Bremen
Stephen Ray Workman, Lynchburg

Bachelor of Science in Ceramic Engineering

Raymond Earl Barnes, Wooster
Barton Lee Browning, Newark
Dennis Shawn Fox, Columbus
David Howard Freund, Westerville
Douglas Paul Gerhardt, Springfield
Gregory Hamilton Jones, Portsmouth
Richard Joseph Koba, Jr., Lorain
Jack Douglas Larry, Newark
David Nelson Lyster, Silver Lake
Charles Robert Martz, Delphos

Robert Clair Oberst, Columbus
Michael Jeffrey Readey, Dublin
John Stewart Reid, Columbus
Thomas Lamar Riley, II, Manchester, Conn.
Stacey Allen Ruff, Columbus
Martin Joseph Shingler, Solon
Lisa Marie Springer, Solon
Teresa Lynn Trott, Zanesville

Bachelor of Science in Chemical Engineering

Mary Abel, Coshocton
Keith Alan Artman, Dayton
Douglas Harry Baughman, Cincinnati
Robert Andrew Bollinger, Akron
David Brian Boyle, Ashtabula
Douglas Jay Bryan, Delphos
Jeffrey Lynn Cline, Sandusky
Chi-Thien Doan, Dayton
Diana Lynn Dudash, Avon Lake
Debra Ann Edwards, Xenia
John Ralph Gayler, Columbus
Mike Addison Greene, Hudson
Mark Joseph Gruber, Columbus
Charles George Hardy, Cleveland
Jeffrey Allen Harwood, Ashland
Hamid Reza Hashemi, Tehran, Iran
Richard William Hendricks, North Olmsted
Alex Walter Kawezak, Parma
Donna M. Kronz, North Olmsted
Dan Lambert, Murrysburg, Pa.
Kathleen Lynn Malone, Gahanna
Thomas Edward Mantkowski, Brecksville
Rosanne Maraffa, Columbus
Frank Thomas Marriott, Gahanna
Ronald Sherman May, Alliance
James Richard McDermott, Campbell
Gregory Arthur Michaels, Seven Hills
Jeffrey Newton Molnar, Columbus
Lauralee A. Montgomery, Chillicothe
Julie G. Murphy, Gahanna
Gary Dean Parsons, Worthington
John William Poore, Amherst
Kimerly Ann Powell, Bay Village
Robert Elie Rabbat, Beirut, Lebanon
Michael Frederick Reardon, Canfield
Sumner Marc Saeks, Dayton
Brian David Smith, Columbus
Christina Marie Stark, Bryan
Cynthia Louise Stoops, Columbus
Richard MacIntosh Sturgeon, Columbus
Janet Lynn Taite, Barberton
Charles Samuel Tritt, Columbus
James Maurice Trowbridge, Minford
John David Underwood, North Canton
Andrew Michael Weber, Bedford Heights
Debra Sue Worthington, Jackson
Lawrence Edmund Yanaras,
East Hartford, Conn.
James Bradley Young, Canal Fulton

Bachelor of Science in Civil Engineering

Darren Jay Allen, Columbus
Jeffrey William Beitel, Columbus
William John Benko, Fairview Park
David Allen Brittain, Struthers
James Joseph Burns, Reading
Laura Lynn Busch, Alsip, Ill.
Douglas Alden Buskirk, Clarksburg

Bruce Allen Coates, Columbus
Kevin Joseph Collins, Boston, Mass.
Jonathan David Conant, Beachwood
Kenneth John Counihan, Beverly, Mass.
Christopher Thomas Engle, Gahanna
Fared Farzaneh, Tehran, Iran
Charles Richard Follrod, Pomeroy
Ronald Allen Geiger, Huber Heights
Barbara Rae Gerhart, Lakeline
Homa Ghaemi, Tehran, Iran
Elias Yacoub Ghosn, Kafarhata, Lebanon
Richard Paul Gross, Jr., Buffalo, N. Y.
Jerold P. Gurley, Fairport Harbor
Wayne Russell Haggstrom, Annandale, Va.
Gary Michael Heckman, Dayton
Roderick Arthur Hooper, Cincinnati
Omar Hunidi, Damascus, Syria
David Alan Jarrell, Shelby
Sharon K. Johnston, Wooster
Michael Anthony Joseph, Columbus
Steven H. Kremer, St. Henry
Fariborz Labafinejad, Tehran, Iran
William Blaine Lozier, East Sparta
Kevin Lynch, Columbus
Richard Brian Marshall, Columbus
Daniel Andrew McDowell, Martinsburg
Craig Eugene Metzger, Columbus
Kevin Daniel O'Brien, Cincinnati
Chee-Yan Ong, Kuala Lumpur, Malaysia
Eddy Joseph Poprock, Lorain
Lynton Leonard Price, Columbus
Fariba Rahnavard, Tehran, Iran
Alan Dale Reinbolt, Sylvania
Stephen John Salay, Pittsburgh, Pa.
Jane Frances Savage, Lancaster
Kimberly Ann Sendelbach, Lebanon
Susan Marie Shanahan, Toledo
Gregory Vincent Sketch, Ludlow, Ky.
Kevin Doye Swiger, Granville
Stephen Dale Thompson, Columbus
Ronald William Turner, New Carlisle
Nghia N. Vo, Columbus
Joseph Carl Wellinghoff, Middletown
James Earl Womeldorf, Baroda, Mich.
Nina Gay Zolten, Cleveland Heights

Bachelor of Science in Computer and Information Science

Julie Ellen Bendig, Pindley Lake, N. Y.
Deim Trong Bui, Westerville
Thomas Joseph Cissell, Galloway
Emily Noreen Donelson, Loudonville
Michael Scott Endsley, Bellefontaine
Keith Alan Fish, Columbus
David Jay Griggs, Middletown
Karen Ann Hardgrove, Mentor
Kevin Frank Hennessy, Columbus
Don Murray Iles, Jr., Galion
Tim Alan Landwehr, Lima
Linda Marie Lehman, New Philadelphia
George James McLauchlan, Stamford, Conn.
Steven John Procup, Defiance
Joachim Schuler,
Ludwigshafen, West Germany
Kevin Robert Schneider, Northfield
Steven David Schoenstein, Upper Arlington
Steven Keith Shaddy, Columbus
Dana Mark Spuhler, Uniontown
Bruce Warren Talbott, Lancaster
Robert Bryant Thomas, Euclid
Jane Ann Wauben, Delphos

Bachelor of Science in Electrical Engineering

Karen Lee Acus, Fairborn
William Hugh Balhorn, Broadview Heights
Gregory Raymond Basile, Akron
Donald Frederick Bittner, Westerland Center
Eric Francis Breitfeller, New Albany
William Joseph Burwell, Ottawa
David Wesley Carr, East Liverpool
Gorky Chin, Cleveland Heights
Chandan Choudhary, Cincinnati
James Joseph Cockrell, Mt. Vernon
Calvin Allen Coffey, Avon Lake
Russell Lee Coffman, Dublin
William Joseph Colbert, Mission Viejo, Calif.
Sandra Corbacioglu, Rittman
Catherine Ann Corwin, Westlake
Philip Joseph Cronmiller, Port Bryon, N. Y.
Damon Franklin Curry, Lexington, Ky.
Stephen Martin DeLise, Jr., Martins Ferry
Jeffrey David Donne, Oakmont, Pa.
Michael Reuben Downey, Akron
James Edward Eberhart, Troy
Ali Ebrahimian, Tehran, Iran
Ali Mohammed El-Hallak, Columbus
Garrett Richard Elworth, Dayton
Maria Annette Enrione, Cincinnati
Mohammed Mohammed Ettuba, Tripoli, Libya
Richard Allan Eversole, Ft. Jennings
Maurice Clinton Forrest, Jr., Syracuse, N. Y.
Mark James Fraker, Columbus
Susan Marie Fuller, Costa Mesa, Calif.
John Michel Gahl, Cincinnati
Cynthia Ann Glasgow, Gahanna
Richard Joseph Glossop, Cincinnati
Kenneth Edward Grigsby, Akron
Donald Philip Grimes, Hilliard
Mark Anthony Gundelfinger, Columbus
Donald Dean Gunvalsen, Parma Heights
Mary Michelle Hagan, Columbus
Tamra Jo Hammond, Monroe
Paul F. Herman, Columbus
Glenn Samuel Himes, Columbus
Edward Ernest Hosbach, II, Dayton
Jeffrey Craig Hunley, Bexley
Timothy Lee Johnson, Monroe
Eugene Patrick Johnston, Fairborn
Donald Felt Kimball, South Euclid
Neil Alan Kirby, Beavercreek
Stanley Joseph Kmonk, Rossford
Kevin Douglas Koehler, Upper Sandusky
Chris Scott Kogge, Vacaville, Calif.
William Joseph Kurklis, Columbus
George Clinton Lampe, Cincinnati
Mun Keung Leung, Hong Kong
Jeffrey Alfred Lick, Chardon
John Hayes Ludwig, Marion
Charles Raymond Magee, Columbus
John Andrew Maul, Jr., Lyndhurst
Euel Woodrow Mauney, II, Pickerington
Clifford McCleese, Jr., Amherst
C. Michael Miller, Columbus
Gerald Lee Miller, Columbus
Timothy Robert Mischler, Columbus
Robert George Moll, Jr., Cincinnati
Russell Glenn Morgan, Whitehouse
James Robert Murphy, Hebron
Edmunds Douglas Neilands, Columbus
Khue Dang Nguyen, Columbus
Luan Kinh Nguyen, Columbus
Lori Ann Ohlbaum, Fairborn
Michael Robert Oteasek, Euclid

Francis Joseph Pahr, Monroe
Daniel Arie Palombo, Rockaway
Donald Anthony Paoletti, Upper Arlington
Robert John Pcionek, Mansfield
Timothy Dale Peeples, Troy
Shawn Pleasants, Blacklick
Paul Ericpond, Upper Arlington
Barry Kevin Pugh, Miamisburg
Donald Edward Reichenbach, Jr., Winterville
Graydon Alan Reitz, Columbus
Michael Ricchetti, Parma
Russell David Richardson, Whitehall
Paul Andrew Rohen, Waterville
James Joseph Russell, Columbus
Sean Michael Saccocio, Columbus
Randall Martin Scott, Lima
Kristin Mikel Seeds, Columbus
Timothy Lee Sharp, Ludlow Falls
Ralph Allyn Sprang, Jr., Columbus
Robert Lenhart Spring, Canton
Vishnu J. Srivastava, Columbus
Gary Warren Stiefel, Upper Arlington
Mark Alan Stiving, New Concord
Kathleen Ann Straub, Sardis
John Edward Tehan, Jr., Dayton
Frank Joseph Thomas, Girard
David Wayne Thompson, Lima
Timothy Richard Thompson, Columbus
Matthew Douglas Toth, Winfield, W. Va.
Timothy V. Toth, Dayton
David Llewellyn Turner, Columbus
Thomas Alan Valentini, Lafferty
Charlene L. Vaughn, Lorain
Mark Steven Wallick, Columbus
Beth Jean Wandel, Columbus
David William West, Pittsburg, Pa.
Warren Ralph Whitehead, Columbus
Dave Milton Wickerham, II, Bellefontaine
Timothy Joseph Wurth, Kalida

Bachelor of Science in Engineering Physics

Donald Lawrence Agresta, Columbus
Jennifer Irene Amlin, Vandalia
Rex Allen Browning, Columbus
Arturs Eriks Dinbergs, Broadview Heights
Gordon Hall Gaimer, Jr., Heath
Richard Kevin Jones, Oak Hill

Industrial Engineer

George Harold Stevenson, Columbus

Bachelor of Science in Industrial and Systems Engineering

Donna Jean Adams, Dayton
Athanassios N. Archakis, Thessaloniki, Greece
Cindy Sue Arndt, Graytown
David Alan Bazler, Columbus
Kim Prasek Bean, Worthington
John C. Beard, Fairborn
Jennifer Ann Bibb, Gary, Ind.
Janet Lynne Braun, Cincinnati
Stephen Michael Brinkman, Huber Heights

Nick B. Christo, Elyria
Thomas John Cirata, Shelby
Beverly Ann Cox, Elyria
Richard D. DeMiglio, Cuyahoga Falls
Rick L. Dessecker, New Philadelphia
Lynn Mealey Dubick, Fairview Park
Erol Ahmet Eraybar, Chippewa Lake
Angela Vasilou Fallidas, Columbus
Darlene Dorothy Fodo, Seven Hills
Craig Samuel Fortner, Oreland, Pa.
John Joseph Forst, Columbus
Joseph David Freaney, Youngstown
Peter Anderson Greene, Elyria
Carol Sue Harter, New Madison
William Joseph Heiselman, Akron
Michael Palmer Hoppe, Lyndhurst
William Alan Johnson, Columbus
Joseph Martin Kaufman, Upper Arlington
Gary Dean Kohls, Columbus Grove
Kimberley Kristene Krupp, Lorain
Karen Marie Kuehn, Parma Heights
Kevin Allan Larson, Lakewood
Sondra Kay Layne, Columbus
Thomas Lombardo, Pittsburgh, Pa.
William Alan Marzich, Massillon
David Richard May, Chatham, N. J.
John Jay McDaniel, Logan
Patrick Mark Messersmith, Avon Lake
Bernadette Ann Mihalic, Lorain
Roger Ingraham Miller, Euclid
Joyce Annette Misinec, Jefferson
Robert Ellsworth Myers, Grove City
Marc Richard Ozamiz, Columbus
Scott Russell Pilkington, Ashtabula
Jeff Alan Ray, Columbiana
Steven J. Rollison, Columbus
Scott Robert Saaheen, Cleveland
Diene M. Sater, Berea
Steven Lee Schatz, South Euclid
Steven P. Schoenlein, Coldwater
William Robert Schweinfurth, Warren
Joanne Marie Sheppard, Parma
John William Smith, Jenera
David Kevin Teeple, Columbus
William Michael Thrasher, Columbus
Stanley Joseph Vitikas, Youngstown
Sarah Marie Wallack, Westfield, N. J.
William David Walters, Columbus
Richard Joseph Wetzel, Columbus
Gerald Anthony Wurth, Kalida

Bachelor of Science in Mechanical Engineering

Mohammad Ahmadi-Marandi, Worthington
Bill Russell Alexander, Jr., Columbus
Scott Edward Avey, Brecksville
Edward John Bailey, Cincinnati
Daniel Joseph Barrett, Parma Heights
Richard Michael Bradfield, Fremont
David Andrew Brendamour, Cincinnati
Yossi Chait, Ramat-Gan, Israel
Charles Edward Cofey, Columbus
John David Cluff, Greenfield
Eric Paul Darwin, Columbus
Russell Gerard DeAnna, North Royalton
David William Dennis, Sagamore Hills
Richard Allen Erickson, Marion
Bryan Anthony Feimer, Broadview Heights
Thomas Ogden Fenn, Huron
Clark Nairne Fisher, Worthington
Ronald Jay Gaines, Toledo
David D. Garten, Columbus
Joseph Giammarco, Columbus
Tyler Scott Gingrich, Mildenhall, England
Daryl Reed Greywitt, Strongsville

Mark Allen Groeneweg, Bay Village
 Michael Neal Hamilton, Circleville
 Steven Martin Hatcher, Shelby
 Gary Joseph Heydinger, New Washington
 Theodore Carl Holland, Lithopolis
 Russell Mark Hoppes, Springfield
 Richard James Humason, Cincinnati
 Paul Jonathan James, Columbus
 Mark Steven Janosky, Cortland
 James Michael Johnson, West Union
 Jon Bradley Kelm, Lisbon
 Vincent Leonard Klein, Norton
 Ronald Michael Kovach, Avon Lake
 Victor David Kruppa, Cortland
 James Hogan Liston, Jr., Columbus
 Paul Anthony Miklovich, Brighton, Mich.
 Ronald Harold Miller, Auburn, N. Y.
 Todd W. Miller, Grove City
 Larry Lee Minnich, Covington
 Carl Edward Nestman, Old Tappan, N. J.
 Paul William Ortiz, Cincinnati
 Issac Ramsini, Columbus
 Joseph Matthew Reda, Bronz, N. Y.
 Jeffrey Scott Rittichier, Toledo
 Julie Layne Rodriguez, Scotia, N. Y.
 John H. Ruhrkraut, Parma
 Kendall George Savage, Xenia
 Carl Robert Schulz, Burbank
 Thomas Daniel Shanks, Cincinnati
 Mitchell Donald Smith, Vincent
 Daniel John Stelzer, Coldwater
 Ronald Lee Sutton, Evanston, Ill.
 Lisa Marie Uhrig, Mountain Lakes, N. J.
 Timothy Donald Ward, Cincinnati
 Timothy Douglas Warren, Findlay
 Pamela Lynn Wolf, Amherst
 Nell Diane Wolfe, Dublin
 David Yakubek, Salem
 Randal Lane Zerbe, Sidney
 David Allan Zoloty, Middleburg Heights

Bachelor of Science in Metallurgical Engineering

Diane Elizabeth Albert, Forest
 Timothy Edward Eagle, Middletown
 Gordon Randolph Holcomb, Worthington
 David Michael Kindel, Barberton
 Donna Janice Moore, Stow
 John Matthew Pirman, Cleveland
 Eric Scott Schriver, Baden, Pa.
 Mark James Straszheim, New Madison
 Charles Scott Wade, Carrollton
 Sandra Lynn Wakefield, Madeira
 Cynthia Marie Wise, Dayton
 Mark Richard Zelle, Canton

Bachelor of Science in Mining Engineering

Hamid R. Djahanshahi, Richwood
 Timothy Charles Noyes, Mt. Perry
 David Edwards Wiseman, Gallipolis

Bachelor of Science in Surveying

Peter Leroy Arnold, Dixfield, Me.
 Mark Jonathon Ellis, Monroe
 Gregory Vincent Sketch, Ludlow, Ky.
 Bassey Edet Ukim, Uyo-Crs, Nigeria

Bachelor of Science in Welding Engineering

Larry Joseph Barley, North Canton
 Kevin Eugene Baughn, Dayton
 Donald Alexander Cain, Columbus
 Richard Leslie Chesser, Columbus
 Donald Joseph D'Angelo, Grove City
 Allan Wallace Ferdi, Columbus
 Steven Anthony Gedeon, Parma
 Brian Richard Hoskins,
 New Martinsville, W. Va.
 Timothy Allen Jones, Middletown
 George Michael Learmonth, Columbus
 Ernest David Levert, Cleveland
 Scott Michael Metzger, Findlay
 Roger Gene Miller, Waterford
 Daniel Anthony Nowak, Columbus
 Larry P. Perkins, Medway
 David C. Risk, Fairborn
 Dale Aifred Rupert, Jr., Brecksville
 Alexander F. Skipp, III, Warren

School of Architecture

Bachelor of Science in Architecture

Terry Ray Aldridge, Fairborn
 Robert Francis Aray, Jr., Columbus
 Jeffrey John Bacon, Norwich, Conn.
 David Lynn Chapman, Columbus
 Carla Rose Corroto, Canfield
 John Frederick Faile, Bay Village
 Diane Sheri Faridad, Bayside, N. Y.
 Laretta Lee Fiorentino, Worthington
 Gerald David Fridenmaker, Dayton
 Timothy Eugene Fry, Waterville
 Linda Anne Green, Muttontown, N. Y.
 Timothy Boyd Hill, Coldwater, Mich.
 Marc Alan Hull, Brook Park
 Peter Joe Hummel, Parma
 Jeffrey Steven Kallas, Johnstown
 Lawrence Jacob Kalman, Columbus
 Steven Garth Kelley, Chesterland
 Robert Warren Lay, Columbus
 Thomas Michael Lee, Newark
 Edward Robert Lisogar, Vancouver, Canada
 Carlos Manuel Martinez, Columbus
 Kevin Paul McLinn, Upper Arlington
 David Ross McMahon, Dresden
 Charles Blyss Moorhead, Canton
 Thomas John Nau, Fostoria
 Sheryl Anne O'Reilly, Galena
 Frank Anthony Pettinati, Rochester, N. Y.
 Thomas Robert Pruckno, Boonville, N. Y.
 Edward Allan Pyrch, Ashland
 Palmer Brook Schooley, Columbus
 Tony Rene Schorr, Lancaster
 Paul Michael Spung, Worthington
 Kirk R. Stevens, Toledo
 Ronald Clair Stokes, Upper Arlington
 Youtam Joseph Varda, San Jose, Calif.
 David Allen Youse, Fort Wayne, Ind.

Bachelor of Science in Landscape Architecture

Jennifer Diane Allsop, Amherst
 John David Anderson, Westerville
 Susan Deborah Andresen,
 Silver Spring, Md.
 Carl Frank Armanini, Dayton
 Richard Joseph Attenello, Clifton, N. J.

Fredrick Prindle Behlen, Rocky River
 Elaine F. Berry, Columbus
 Robert James Black, Beaver, Pa.
 Michael John Blomstran, Massillon
 Dale James Burrier, Canal Winchester
 Cecelia Catherine Byrnes, Cincinnati
 John Geoffrey Cardwell, Milan
 Gregg Edward Daum, Medina
 Janet Ann Elsaesser, Cincinnati
 Richard Wayne Espe, Centerville
 Elliott Chrysty Evans, Columbus
 John Anthony Eyerman, Columbus
 Gary Robert Fankhauser, Columbus
 Paul Matthew George, Cleveland
 Ludmila Maria Gracanic, Cincinnati
 James Wallace Guyton, Columbus
 David Lee Hawk, Tiffin
 Thomas Kennedy Hilbert, Worthington
 Dennis Paul Karem, Stow
 Nicholas Paul Kinkley, Columbus
 Karen Lynn Langsenkamp, Columbus
 Mary Joanne Leussing, Columbus
 Frederick Evan Lutt, Cincinnati
 Pamela Carol McDowell, Columbus
 Alan Michael Meinert, Pittsburgh, Pa.
 Patricia Joan Newshutz, Gallipolis
 Robert Walling Oliphant, Knoxville, Tenn.
 Clint Thomas Oster, South Euclid
 Michael Thomas Osthof, Twinsburg
 Deborah Jean Quinn, Middlefield
 Bruce Allan Rudman, Columbus
 James Michael Schiely, North Olmsted
 John Kenneth Seavers, Dayton
 Deborah Kempton Seilhamer, Columbus
 Archie Claude Suttles, Juneau, Alaska
 Nadia Szytec, Seven Hills
 Richard Leon Twitchell, Columbus
 David Michael Ulliman, Columbus
 Joanna Elizabeth Villies, Minzo Junction
 Jon Randal Walton, New Philadelphia
 Stephen William Welter, Tiffin

College of Law

Dean: James E. Meeks

Juris Doctor

Kevin Roy Abrams, Williamsburg
 B.A. (Amherst College)
 Pamela Ann Addison, Cleveland
 B.A. (Kenyon College)
 Mark Francis Ahlers, Fort Loramie
 B.S.Bus.Adm. (University of Dayton)
 John Bernard Albers, II, Columbus
 B.A. (Wake Forest)
 Janenne Allen, Columbus
 B.A.
 Michael Robert Allison, Cleveland
 A.B. (John Carroll University)
 John Eric Andre, Columbus
 B.A. (University of Chicago)
 Gordon Allen Arnold, Columbus
 B.A., M.A., M.C.R.P.
 Christopher James Baer, Reynoldsburg
 B.S.Bus.Adm.
 Jennifer Maunsell Banks, Canal Winchester
 B.F.A.

Richard Scott Bardine, Canton
B.A. (The College of Wooster)

John Thomas Batchelder, Medina
B.A. (Kenyon College)

Ralph Anthony Bauer, Columbus
B.A.

Pamela Jane Bertram, Newark
B.A.; B.A. (Miami University)

Catherine Elaine Blackburn, Columbus
B.S. Pharmacy (University of Kentucky)

Mark Robert Blackmer, Honeoye, N. Y.
B.A. (State University of New York at Buffalo)

Katherine Jean Bohn,
Saint Clair Shores, Mich.
B.G.S. (University of Michigan)

Vence Lee Bonham, Jr., Lansing, Mich.
B.A. (Michigan State University)

Brenda Ann Born, Athens
B.S.Ed. (Ohio University)

David Scott Borrer, Columbus
B.A.

James Patrick Botti, Columbus
B.A.

Bethany Rae Boyd, Portsmouth
A.B. (Morehead State University)

Jeffrey Dean Boyd, Scio
B.A. (Kent State University)

Mary Regina Brandt, Columbus
B.A. (College of William and Mary)

Cynthia Kay Brockman, New Albany
B.S.

James Wilmore Brown, Columbus
B.A.

Glenn Jefferson Browne, Bowling Green
A.B. (University of Michigan)

John Joseph Byrnes, Worthington
B.S.Bus.Ad. (Georgetown University)

Kenneth Arthur Campbell, Columbus
B.A.

Wanda Lees Carter, Columbus
B.S. (Bowling Green State University);
M.S.

Robert Louis Chagares, Cincinnati
B.A. (Miami University)

Lynette Denise Chappell,
Newport News, Va.
B.S. (James Madison University)

Sandra Kay Cheshire, North Canton
B.A. (Capital University)

Stephen Chu-Ling Chong, Berea
B.A. (Calvin College)

David Bruce Clouston, Columbus
B.S.; B.A.Jour.

Michael Francis Coady, Columbus
B.S.Bus.Ad. ; B.A.

Russell Andrew Cohen, Weston, Mass.
A.B. (Vassar College)

Colleen Elizabeth Cook, Marietta
B.A.

Robert Stack Corker, Chillicothe
B.S. (Northwestern University)

William Henry Crawford, II, Flint, Mich.
B.A.

Frank Phillip Darr, Columbus
B.A. (University of Akron)

Denise Marie Dembinski, Columbus
B.A.

Laura Beth Demetry, Birmingham, Mich.
B.S. (Eastern Michigan University)

Thomas Joseph Doherty, Reynoldsburg
A.B. (Holy Cross College)

Douglas Edward Duckett, Cincinnati
B.A.

Patrick Joseph Dugan, Lima
B.S.Bus.Ad. (Bowling Green State
University)

Nancy Rae Edwards, Marietta
B.A.

Steven Michael Emmert, Zanesville
B.A.

Todd Robert Eloff, Dayton
A.B.

Nicholas R. Emrick, Farmersville
B.M.E. (General Motors Institute)

Thomas Keith Emswiler, Columbus
B.A.

Kurt Erlenbach, New London
A.B.

Thomas Anthony Ferris, East Palestine
B.A. (Vanderbilt University)

Patrick Joseph Filan, Cincinnati
A.B. (Duke University)

Michael Gerard Florez, Cincinnati
B.S.Econ. (University of Pennsylvania)

Jeffrey Alan Ford, Ashtabula
B.S.Ed.

Jeffrey E. Fort, Shelby
B.S. (U.S. Naval Academy)

Sara Jo Foster, Columbus
B.A.

Beth Anne Frailey, Philadelphia, Pa.
B.A.Eng. (Case Western Reserve
University)

Marlene Paula Frank, Columbus
B.A.

Randolph Harry Freking, Cincinnati
B.A. (University of Dayton)

Barbara Joy Fultz, Middleport
B.S.Ed. (Ohio University)

Alice Lynn Gailey, Cincinnati
A.B. (University of Michigan)

Colleen Ann Geraghty, Scituate, Mass.
B.G.S. (Ohio University)

Louis Alan Goodman, Warren
B.A.

Vera Zina Gorochow, Columbus
B.S. (Saint John Fisher College)

Frederick Marvin Greenwood, III, Medina
B.S.Bus.Ad. (Bowling Green State
University)

Donald Wayne Gregory, Cincinnati
B.A. (Miami University)

Jill Ann Griffin, Huntington, N. Y.
B.A. (College of New Rochelle)

Lynn Bart Griffith, III, Warren
A.B. (Earlham College)

Barbara Jean Gustaferso, Columbus
B.A. (Lake Erie College for Women)

Theresa Gale Haire, Worthington
B.A. (University of Virginia)

Kim Michele Halliburton, Columbus
B.A. (Denison University)

Thomas Alva Hampton, Barnesville
A.B. (Wilmington College)

Douglas J. Hart, Malvern
B.A. (Ohio Northern University)

Robert Matthew Hart, Kent
B.A. Sociology (Kent State University)

Jim Hasenfus, Hollywood, Calif.
B.A. (Northwestern University)

Barbara Louise Hinske, Rocky River
A.B. (Earlham College)

Joann Marie Hnat, Parma
B.S.Bus.Ad.

G. Woodrow Holt, Lebanon
B.B.A. (Ohio University)

Judith Lee Horn, Columbus
B.A. (The College of Wooster)

Mary Beth Monica Houser, Youngstown
A.B. (Youngstown State University)

Patrick Jonathan Janis, Richfield
B.A. (Wittenberg University)

Joel Kermit Jensen, Hampton, Va.
B.A. (University of Virginia)

Susan Nanette Jones, Barnesville
B.A. (Muskingham College)

Leigh Anne Judd, Chardon
B.A. (Hiram College)

Janice Arden Judge, Sylvania
B.A.

Leora Ann Jump, Willard
B.A.

Benita Ann Kahn, Akron
B.A. (University of Akron)

Nicholas Nick Kallas, Lorain
B.A., M.S.

David William Keller, Galion
B.A.

Robert Stephen Kiss, Dayton
B.A.

Donald Robert Knight, Utica, Mich.
B.A. (Oakland University)

Janet Kay Kottman, Columbus
B.A. (Miami University)

Dean Clinton Kowalchyk, Montgomery
B.A. (University of Chicago)

Suzanne Melissa Kramer, Wheeling, W. Va.
B.A. (Chatham College)

Mark David Landes, London
B.A. (John Hopkins University)

Susan Kay Laughlin, Columbus
B.A. Jour.

Donald Byron Leach, Jr., Columbus
B.A. (Union College)

DeLois Toins Leapheart, Flint, Mich.
A.B. (University of Michigan)

John Steven Lee, Reynoldsburg
B.S. (Muskingum College)

Andrew Ray Leeper, Wooster
B.A. (The College of Wooster)

William Joseph Leibold, Dayton
B.A. (University of Dayton)

James Charles Lemay, Bay Village
B.S.Bus.Adm. (Bowling Green State
University)

David Kevin Liberati, Bellaire
B.A. (Brown University)

David John Linesch, Dayton
B.A.

William Lyle Loveland, Columbus
B.A. (Denison University)

Anita Pope Lunn, Columbus
A.B. (Antioch College)

James Michael Lyons, Akron
B.S. (John Carroll University)

Steven Michael Magas, Mansfield
B.A., B.S.Ed. (University of Cincinnati)

Richard Mancion, South Euclid
B.A. (Michigan State University)

Bennett Alan Manning, East Lansing, Mich.
B.A. (Michigan State University)

Werner LeRoy Margard, III, Worthington
B.A. (College of William and Mary)

Gary Richard Martz, Toledo
B.A. (University of Toledo)

Richard Edwin Mayhall, Springfield
B.A. (Miami University)

Shelley Ann McBride, Mansfield
B.A.

Gregory Louis McCann, Columbus
B.A. (University of Notre Dame)

Robert Morse McNitt, Cincinnati
A.B. (Stanford University)

David Harvey Meade, Akron
B.A. (University of Akron)

Stephen Wilson Meagher, Columbus
B.A.

Jonathan Kirk Miller, Philadelphia, Pa.
B.A. (Williams College)

Wayne Jeffrey Miller, Granada Hills, Calif.
A.B. (Stanford University)

Mark Jay Minsky, Ann Arbor, Mich.
A.B. (University of Michigan)

Paul Frederick Moke, Wilmington
A.B. (Wilmington College)

Douglas Scott Morgan, Columbus
A.B. (Harvard University)

Glenn William Myers, Kentwood, Mich.
A.B. (Ohio University)

James Gerard Neary, Toledo
B.A. (University of Notre Dame)

Phyllis Stillpass Nedelman, Springfield
B.S.Ed. (University of Cincinnati)

Thomas Harvey Nelson, Columbus
B.S.Bus.Adm.

John David Oman, Findlay
B.A. (Ohio Northern University)

Richard Wayne Pace, Columbus
B.S.Soc.Wel.

Janice Ann Payt, Columbus
B.A. (Miami University)

John Edmund Pembroke, Oberlin
A.B. (Oberlin College)

William Shannon Pidcock, Albany
A.B. (Ohio University)

Josephine Louise Piehowicz, St. Clairsville
B.A.

Charles Sumner Plumb, III, Toledo
B.A.Bus.Adm. (Southern Methodist
University)

Stephen David Plymale, Columbus
B.S.Ed.; M.A. (The University of New
Mexico)

John Joseph Pomidor, Willoughby
B.A. (The University of Chicago)

Lawrence Steven Press, Columbus
B.A.

Theodora Marie Rand, Massillon
B.A.

Yvonne Teresa Ranft, Columbus
B.A.

Robert James Reynolds, Wooster
B.A. (Wittenberg University)

Evelyn R. Robinson, Dixon Mills, Ala.
B.S. (University of Monteballo)

Richard David Roggenkamp, Worthington
B.S.Ed. (Miami University)

Paul Anthony Rose, Garfield Heights
B.A. Jour. (University of Oklahoma)

Lee Scott Rosenthal, Columbus
B.A.

John Charles Ross, Ashtabula
A.B. (Ohio University)

David Fuller Rudwall, Dayton
B.S. (The George Peabody College for
Teachers of Vanderbilt University)

Peter Bingham Ruffing, Bellevue
B.S. (John Carroll University)

Robert Kenneth Rupp, Streetsboro
B.A. (Walsh College)

Susan Lynne Russell, Dayton
B.A. (University of Dayton)

Bruce Steven Rutsky, University Heights
A.B. (Indiana University)

Amelia Angela Salerno, Youngstown
A.B. (Youngstown State University)

Melinda Lux Sales, Madeira
B.A.

Michael Matthew Schmidt, Columbus
B.S.Bus.Adm.

Theodore Thomas Schuld, Macedonia
B.A. (Bowling Green State University)

Kathaleen Beth Schulte, Columbus
B.A.

Kenneth Wayne Schutt, Jr.,
Stromsburg, Neb.
B.A. (Midland Lutheran College)

Dan Shaban, Mansfield
B.A.

Susan Lee Simms, Columbus
B.A. (Wittenberg University)

Mark Albert Sipek, Columbus
B.A.

Marcia Teri Slotnick, Columbus
A.B. (Indiana University)

Jill Anderson Smith, London
B.S.Ed. (Drake University)

Michael Allan Smith, Belpre
B.A. (Kenyon College)

Ronald Joseph Snyder, Columbus
B.S.C.E.

Paul Howard Spaeth, Pepper Pike
B.A. (Miami University)

Paul Stehura, Broadview Heights
B.A. (Kent State University)

Matthew Lloyd Steimel, Hartville
B.S.Bus. (Miami University)

Marti Dawn Stein, University Heights
B.A. (Miami University)

Bruce Larry Stout, Bexley
B.A.

Scott Forsbrey Sturges, Columbus
B.A. (Ohio Wesleyan); M.A. (Miami
University)

Gregory William Stype, Columbus
B.A. (College of Wooster)

Roseanne Kennedy Sullivan, Columbus
B.A.

Steven Scott Swartz, Upper Sandusky
B.A. (Ohio Northern University)

Thomas Edmund Szykowny,
Garfield Heights
B.A. (Denison University)

Linda Selby Tableman, Transfer, Pa.
B.A. (California State University)

Debra Riley Tabor, Chesapeake
B.S. (Marshall University)

Dorothy Annette Robinson Tabron,
Memphis, Tenn.
B.S.Ed.

Anthony Richard Taylor, Huntsville
B.A.

Carol Lynn Tenyak, St. Marys
B.A. (Bowling Green State University)

Jack Carter Thomas, Canton
B.S.C. (Ohio University)

Bruce Robert Thompson, Peru, Ind.
B.S.Bus. (Indiana University)

Mark Steven Totten, Lancaster
B.A. (Capital University)

Judith Derlacki Trail, Columbus
B.A. (Miami University)

Julie Ann Van De Mark, Columbus
B.A. (Miami University)

Peter Eric VanRunkle, Gambier
B.A. (Kenyon College)

Timothy Joseph Vara, Mayfield
B.A. (Brown University)

David Neil Ventker, Cincinnati
B.A.

Therese Marie Verhoff, Leipsic
B.A. (University of Dayton)

David Allen Wagner, Aliquippa, Pa.
B.A. (Saint Vincent College)

Stephen Glenn Wagner, Loveland
B.S. (Cornell University)

William John Wahoff, Cincinnati
B.A. (Miami University)

Stevon Marc Walk, Orange Village
B.A. (Emory College)

Tamara Robin Warstler, Amherst
B.A.

Gary Stephen Watson, Worthington
B.S. (University of Michigan)

Laurie Ann Wayt, Cincinnati
B.A. (University of Cincinnati)

Scott Benson West, Elyria
B.S.Bus. (Miami University)

Susan Kathleen Whitsitt, Port Huron, Mich.
A.B. (University of Michigan)

Diane Esta Williams, Canton
B.A.

Mark Raymond Wilson, Kettering
B.A. (Wright State University)

William Samuel Wilson, Circleville
B.A.

Patricia Ann Woods, Fayetteville, N. Y.
B.A. (Gettysburg College)

Thomas Harry Woolfter, Hartford
A.B. (Cornell University)

Mary Alice Wortman, Athens
A.B. (Mary Manse College)

Barbara Jean Wright, Columbus
B.S.Bus. (Miami University)

Connie Marie Wymer, Toledo
B.A.

College of Medicine

Dean: Manuel Tzagournis, M.D.

Doctor of Medicine

Steven Allen Abrams, Columbus
B.S. (Massachusetts Institute of
Technology)

Adele B. Ackell, Chagrin Falls
B.A. (Ohio University)

Wallace Cobner Adamson, Warren
B.A. (Miami University)

William Robert Ahrens, Toledo
B.A. (Northwestern University)

Theodore Adam Allchip, Euclid
B.A. (Northwestern University)

Michael Gregory Allison, Salem
B.S. (Case Western Reserve University)

John Steven Alspaugh, Bay Village
B.A. (Wake Forest University)

Clifford Livingston Amend, Youngstown
B.A. (Oberlin College)

Alan Jon Annenberg, Middletown
B.S. (University of Michigan)

Lawrence Carroll Ault, III, Columbus
B.S., M.S. (Emory University)

James Phillip Bacon, London
B.A. (Wittenberg University)

Martha Anne Bacon, Huntsville, Ala.
B.S. (Wright State University)

Michael Charles Baehr, Bucyrus.
B.S.

Linda Ellen Bailey, Beavercreek
B.S., M.S. (Wright State University)

Keith Andrew Baker, Wooster
B.S.

Michael Walter Ball, Bellevue
B.S. (University of Notre Dame)

Lawrence Andrew Bartish, Cincinnati
B.S. (Northwestern University)

Michael S. Beeson, Maineville
B.A.

Randall Paul Bennett, Grove City
B.S.

Craig Lawrence Bissinger, Cincinnati
B.A. (Indiana University)

Daniel Arthur Breitenbach, Pepper Pike
B.S. (University of Notre Dame)

Andrew James Britton, Mayfield
B.S.

Donald George Bronn, Columbus
B.A., M.S., Ph.D.

James Dominic Brue, South Charleston
B.S.

Lawrence Paul Bruno, Oberlin
B.S. (University of Cincinnati)

David Alan Brys, Mentor
B.S. (Mount Union College)

Donald L. Bucklin, Chesterfield, Mo.
B.S. (Miami University)

William G. Buoni, Columbus
B.A.

John Jeffrey Burnich, Youngstown
B.S. (University of Cincinnati)

John Raphael Burns, Chillicothe
B.A. (Case Western Reserve University)

John Arthur Cheek, Columbus
B.S., D.D.S.

Theodore John Cieslak, Brunswick
B.S.

Paul Robert Conkling, Dayton
B.A. (Dartmouth College)

Steven Eugene Connelly, Willowick
B.S.

Thomas Mathew Coon, Port Clinton
B.A. (Miami University)

Julie Lee Costello, Cincinnati
B.S. (Xavier University)

Mark Robert Dahl, Garrettsville
B.S. (Kent State University)

Eric Alan Davis, Aurora
B.A. (Kent State University)

Jack Chris Davis, Cincinnati
B.S. (Davidson College)

Gregory Harry Decker, Cincinnati
B.A. (Saint Louis University)

Don Douglas Delcamp, Pleasant Hill
B.S. (Wright State University)

Virginia K. de Verteuil, Columbus
B.S.

William Garrett Dodds, Euclid
B.S. (Calvin College)

Gary Paul Erdy, Columbus
B.S.

Neal Erkes, Columbus
B.S. (Miami University)

David Harry Fagin, Columbus
B.A. (Miami University)

Cheryl Ann Fassler, Middletown
B.S. (University of Notre Dame)

William Renner Finkelmeier, Celina
B.S. (University of Cincinnati)

Marc Steven Flesher, University Heights
B.S. (Emory University)

Nelson Bruce Freimer, Toledo
B.A. (University of Pennsylvania)

Ric Scott Garrison, Chillicothe
B.S. (Ohio University)

Alan Christopher Gatz, Shreve
B.A. (Wittenberg University)

Noel Richard Gibson, Akron
B.S. (Kent State University)

Michael Joseph Giuliani, Cincinnati
B.S. (Tulane University)

Michael David Gold, Toledo
B.S.

M. Jane Goleman, Columbus
B.S.

David Dwight Goltra, Jr., Cincinnati
B.S. (University of Cincinnati)

Kevin Joseph Grannan, Cincinnati
B.S. (Massachusetts Institute of
Technology)

Mary Ann Sharon Peltz Gravenstein,
Mayfield Heights
B.S. (Case Western Reserve University)

Stefan Gravenstein, Shaker Heights
B.S. (Case Western Reserve University)

Linda A. Gray, Birmingham, Mich.
B.S. (Michigan State University)

Kenneth Allen Greene, North Royalton
B.A. (Case Western Reserve University)

Roland Conard Griggs, Newark
B.A. (Dartmouth College)

Michael Steven Grinblatt, Columbus
A.B. (Columbia University)

Peter George Gross, Forest Hills, N. Y.
B.A. (Columbia College)

Joseph Frederick Hamad, Cincinnati
B.S. (Northwestern University)

Wesley Frank Hard, Columbus
B.A. (Ohio Northern University)

James Edward Harper, Dayton
B.S. (Wittenberg University)

Karen Ann Haught, Cuyahoga Falls
B.S. (University of Cincinnati)

Stephen Douglas Haverkos, Cincinnati
B.S. (University of Notre Dame)

Terresa Hawthorne, Columbus
B.S.

Jeffrey Bryan Helwig, Brunswick
B.S. (Muskingum College)

Bradley Collins Hiner, Falls Church, Va.
B.A. (Miami University)

Steven Craig Hirsch, Shaker Heights
B.S. (Brown University)

Timothy Lloyd Hodges, Cincinnati
B.S. (University of Cincinnati)

John Robert Hollenbach, Ravenna
B.S. (Kent State University)

Thomas Craig Holloway, Bowling Green
B.S. (Bowling Green State University)

Kent C. Holtzmuller, Farmersville
B.S. (University of Cincinnati)

Howard Wayne Hoyt, Wickliffe
B.S. (Lehigh University)

David Storr Huckins, Fairfield
B.S. (Michigan State University)

Steven Thomas Hugenberg, Cincinnati
B.A. (University of Dayton)

John R. Jakubek, Campbell
B.S. (Youngstown State University)

David Lawrence Jones, Lucasville
B.S.

Charlotte Anne Kaplon, Rural Valley, Pa.
B.S. (Wright State University)

James Douglas Kasten, Cleveland
B.S. (Cleveland State University)

John David Kaurich, Columbus
B.S. (University of Cincinnati)

Michael Paul Keller, Cincinnati
B.S. (University of Cincinnati)

Richard Alan Kern, Parma Heights
B.A. (Case Western Reserve University)

Nancy Louise King, Youngstown
B.S. (College of William and Mary)

Tim Charles Kisabeth, Fostoria
B.A. (Capital University)

Paul Anthony Klatte, Cincinnati
B.S. (Xavier University)

Richard Alan Kucera, Brecksville
B.A.

Rick Allen Kukulka, Walnut, Calif.
B.A. (Case Western Reserve University)

Kristine Ann Kunesh-Part, Dayton
B.S. (University of Notre Dame)

Joseph Lawrence La Rosa, Parma
B.S. (Kent State University)

Michael Benjamin Lax, Cleveland
B.A. (Oberlin College)

Jeffrey Park Leake, Worthington
B.S.

Stephen Paul Lenehan, Akron
B.S. (University of Akron)

George Scott Lewandowski, Toledo
B.S. (John Carroll University)

Michael Darrell Lorton, Indianapolis, Ind.
B.A. (Miami University); J.D. (Duke
University)

David Jonathan Louis, Washington C. H.
B.S.

Colleen Marie Lovelace, West Jefferson
B.S., M.S.

Charles Edward Lowrey, Akron
B.S. (University of Akron)

Michael G. Lykens, Port Clinton
B.S.

Robert Paul Lynch, Cincinnati
B.S. (Xavier University)

Thomas Anthony Malone, Niles
B.S. (John Carroll University)

Mark Andrew Manegold, Cincinnati
B.S. (University of Cincinnati)

Elizabeth Quincy Manna, Washington, D. C.
B.S.N. (Syracuse University)

John F. Marcinak, Struthers
B.A. (Youngstown State University)

Samuel Joseph Margiotta, Jr., Youngstown
B.S. (Bowling Green State University)

Robert Aaron Marshall, Tiffin
B.A. (University of Toledo)

Maurice Conrad Mast, Dalton
B.S., B.A. (Ohio Northern University)

William Michael McCullough, Jr., Dayton
B.S. (Denison University)

David Richard McFarland, Athens
B.S., M.S. (Ohio University)

Michael David McGonigal, Cadiz
B.A. (Oberlin College)

John Kurt Mehl, Succasunna, N. J.
B.A. (Wittenberg University); M.S.

John Richard Meranda, Georgetown
B.S. (University of Cincinnati)

Thomas Joseph Merle, Akron
B.A. (Denison University)

Lori A. Meyer, Kettering
B.S.

Yolanda Ann Mickevicius, Shaker Heights
B.S. (John Carroll University)

Sharon Jean Mikol, Mentor
B.S.

Gary Stanley Mirkin, Youngstown
B.S.

William Frederick Miser, Mansfield
B.S. (Wheaton College)

Janet Ann Mohr, Bryan
B.S. (University of Toledo)

James Martin Molnar, Fountain Hills, Ariz.
B.S. (University of Cincinnati)

James Richard Moore, Columbus
B.A. (Cornell University)

Jeffrey Lee Moore, Akron
B.A. (University of Akron)

Rudolph James Mueller, Lakewood
B.S. (Case Western Reserve University)

Richard Louis Nemeec, Highland Heights
B.A. (Case Western Reserve University)

Mary Elizabeth Pagano, Oak Park, Ill.
B.S. (University of Illinois)

Howard Mitchell Part, Englewood Cliffs, N. J.
B.S. (Ohio University)

Cressa Kay Payne, Darien, Conn.
B.S. (Marietta College)

Donald John Pellioni, Toledo
B.A. (University of Toledo)

Laurence John Pezor, Jr., Upper Arlington
B.S. (University of Southern California)

Joanne Louise Pizzino, Solon
B.A. (Case Western Reserve University)

Arden Clare Smith Pletzer, Toledo
B.S. (Duke University)

David Peter Pletzer, Rootstown
B.S. (Kent State University)

Ronald Bernard Pohlman, Maria Stein
B.S. (University of Dayton)

Thomas Patrick Porter, St. Clairsville
B.A. (Miami University)

William Bruce Povolny, North Olmsted
B.A. (University of Toledo)

David Alan Price, South Euclid
B.A. (Washington University)

José Antonio Ramirez-Borrell, Columbus
B.S.

Richard Edward Ranchoff, Fairview Park
B.S.

John Richard Raymond, Uniontown
B.S.

Thomas Alan Repko, Northfield
B.A. (Miami University)

Mary McCallum Robinson, Shaker Heights
B.A. (Kenyon College)

Catherine Marie Rose, Kettering
B.S. (The University of Dayton)

Russell Michael Rudy, Middleburg Heights
B.S.

David Allen Ruedrich, Dayton
B.A.

Kimberly Anne Seipel, Waterville
B.S.

Charles Patterson Shields, III, Medina
B.S. (University of Richmond)

Denise J. Slanczka Signs, Elyria
B.S., M.S. (University of Dayton)

Judith Ellen Simon, Youngstown
B.S. (Miami University)

Daniel Michael Slutzker, Dayton
B.S. (Kent State University)

Patricia Ann Smethurst, Montpelier
B.S. (Bowling Green State University)

Candace Lee Smith, Farmdale
B.A.

Mark Allen Smith, Erie, Pa.
B.S. (Pennsylvania State University)

Loretta Mae Smrtnik, Richmond Heights
B.A. (Miami University)

Robert Paul Spittler, Alliance
B.S. (University of Notre Dame)

Mary Ann Sprauer, Dayton
B.S. (University of Dayton)

Larry Albert Stern, Marion
B.S.

Michael Gerard Stiff, Perrysburg
B.A. (University of Toledo)

Michael Robert Stock, Columbus
B.S. (Kent State University)

Christine Marie Sullivan, Marion
B.S. (Bowling Green State University)

Joan Toby Sumkin, Canton
B.S. (University of Michigan)

Jeffrey Alan Summers, York, Pa.
B.S. (Hobart College)

Thomas Arlin Swafford, Dayton
B.S., M.S. (Wright State University)

Patricia Ann Sweeney, Toledo
B.S.N. (University of Toledo)

Jay Michael Taylor, Cuyahoga Falls
B.A. (Hiram College)

Timothy James Thress, Worthington
B.S.

John Michael Thuney, Centerville
B.S. (University of Cincinnati)

Allen Yiyen Tien, Columbus
B.A.

Michael Christopher Townsend, Jr.,
Lakewood
B.S. (Xavier University)

Timothy Allen Treece, Dublin
B.S.

John Francis Vago, Cuyahoga Falls
B.S. (University of Cincinnati)

Arthur J. Vaughn, Dorchester, Mass.
B.S. (University of Massachusetts);
M.S. (Rutgers University)

Gregory Ray Vest, Dayton
B.S. (Miami University)

William Edward Walsh, Jr., Hubbard
B.A. (University of Cincinnati)

Sharon Elizabeth Washington,
Kingston, N. Y.
B.S. (Cornell University)

Douglas Phillips Webb, Cleveland
B.A. (Middlebury College)

Janet Louise Wendeln, Kettering
B.A. (University of Dayton)

Pamela Diane West, Springfield
B.S. (Kent State University)

Gwynette Marschall Williams, Westerville
B.S.

Marcia Lynne Williams, Uniontown
B.S. (John Brown University)

Peter Jerome Wilson, Toledo
D.V.M.

John W. Winzenread, Columbus
B.A.

Jonathan D. Wright, Lima
B.A. (Ohio Wesleyan University)

Kenneth Arden Yaussy, Willoughby
B.A. (Ohio Northern University)

Joseph John Yohn, Columbus
B.S.

Douglas Eugene Yunker, Elyria
B.S. (Kent State University)

David Carl Zangmeister, Bellevue
B.A. (Capital University)

Jack Alan Ziegler, Ashtabula
B.S. (Eckerd College)

Gregory Stephen Zinni, Youngstown
B.S. (University of Cincinnati)

School of Allied Medical Professions

Bachelor of Science in Allied Health Professions

Karen Sue Adams, Leesburg
Mark Patrick Ansel, Columbus
Cathern Ann Ashcraft, Newark

Sarah Lindsey Bear, Toledo
Deborah Michelle Beljan, Wickliffe
James Allen Benedict, Niles
Dennis John Bilas, Youngstown
Cynthia Kay Birney, Richmond
Paul Patrick Braunlin, Dayton
Deborah Dianne Brown, Alexandria
Ronald Vincent Bucci, Steubenville
Denise Ruama Burger, Golden, Colo.
Ann Adams Huston Burk, Columbus
Deborah Kay Carpenter, Toledo
Julie Lee Cato, Fairborn
Thomas Patrick Chickonowski, Struthers
Daniel P. Clark, Worthington
Terry Lynn Cobbs, Westerville
B.S.

John Orville Connolly, Medina
Michelle Phyllis Conti, Cleveland Heights
Vonda Lee Cornett, Hamilton
David Lee Cybulski, Winterville
B.S. (College of Steubenville)
Susan Lynn Daubenmire, Lancaster
Darshan Marie DeVelvis, Marietta, Ga.
Glenn Alan Dickmann, Columbus
B.A. (Miami University)
Ellen Elizabeth DiRutigliano, Solon
David Michael Dixon, Columbus
John Patrick Dolan, Newark
Karen Marie Dorsten, Kettering
Monique Bened Dubay, Columbus
Mark Steven Dubinsky, Ravenna
Mark Eldon Dumond, Columbus
Kathleen Sue Edwards, Orrville
Amira Teya El-Dabb, Kent
Laura Ann Ellinger, West Jefferson
Karen Sue Fedeshen, Hubbard
LeAnn Joy Fenner, Columbus
Kirsten Jean Fornell, Washington, D. C.
Mary Margaret French, Andover
Steven Jay Fried, Youngstown
Sharon Ann Galonski, Macedonia
Anne Beatrice Martin Gehres, Painesville
Constance Marie Geraci, Cincinnati
Katharine Sue Giesige, Holgate
Diane Gleyzal, Painesville
Michelle Lynn Godfrey, Akron
Sheldon Neil Gold, University Heights
Karen Marie Cornell, Reynoldsburg
Tricia Lynn Green, Fairlawn
Janet Marie Guendelsberger, Sandusky
Cynthia Ann Hall, Delaware
Kimberly Jean Hamilton-Holmes, Columbus
B.S. (University of Toledo)
Barbara Clare Hayden, Cuyahoga Falls
Carol Anne Helbling, New Philadelphia
Beverly Ann Hoffman, Columbus
Michal Lynn Hogan, Oak Harbor
Cheryl Vilma Homan, Circleville
Kari Lynn Horton, Canton
Lynn Louise Hudak, Cleveland
Carol Eileen Huffman, Willoughby
Catherine Patricia Hughes, Columbus
Shelly Kay Hykes, Canton
Julie Marie Jaeger, Columbus
Nadine Marie Jakim, Lima
Kelly Ruth Johnson, Tallmadge
Sandra Lynn Jones, Springfield
Deanna Lynn Jurden, Delaware
Jennifer Ann Jurey, Wadsworth
Ann Kaye, Worthington
Renee Ann Kazimer, Webster, N. Y.
Jan Marie Keller, Galion
Kathy Ann Keveler, Fairfield
Cynthia Jane Kittner, Marion
Amy L. Klisz, Fremont
Kathy Sue Koch, Cincinnati
Kathleen Amy Kolb, Dayton
Karen Ann Kraushar, Cincinnati

Linda Smith Lampton, Gahanna
 Miriam Ann Landau, Shaker Heights
 Christopher Herbert Logsdon, Westerville
 Jennifer Sue Lowe, Cincinnati
 Barbara Anne Madden, Kettering
 Jane Ellen Markel, Centerville
 Linda Wilkinson Markstein, Middletown
 Kathy Sue Marsh, West Carrollton
 John Joseph McCambridge, Chillicothe
 Shelley Lynn McGinnis, Cardington
 Amy Elizabeth McIntosh, Lakewood
 Shawn Lee McLaughlin, Fairborn
 James Thomas Micali, Lyndhurst
 Linda Marie Miller, Hudson
 Sheri Lynn Miller, Cincinnati
 Shelly Marie Mitchell, Johnstown
 Deborah Marie Modic, Chardon
 Vicki Lee Mullins, Columbus
 Lore Lei Musser, Columbus
 Lynne Marie Musto, Lima
 Patti Serr Neely, Columbus
 Julie Kay Niehm, Gallipolis
 John Edgar Nixon, Lebanon
 Kathryn O'Connor, Elyria
 Colleen Catherine O'Toole, Maumee
 Philip John Overholt, Columbus
 B.A. (Goshen College)
 Marilyn Beth Overhulse, Bowling Green
 Candace Lynn Palmer, Columbus
 Camille Pantano, Homdel, N. J.
 Felecia Juanita Paras, Batesville, Ind.
 Sheryl Dawn Perkins, Dayton
 Gary Lee Persing, New Middletown
 Pamela Beth Petrich, Dayton
 René Marie Pezzot, Worthington
 Marilu Pfieger, Worthington
 Marie Therese Pinto, Bombay, India
 Gina Marie Polas, Poland
 Paul Thomas Pompili, Jr., Warren
 Doris Ann Powell, Celina
 Gina Lynn Pressler, Galloway
 Julia Ann Redinbo, Sidney
 Pamela Jane Regula, Beach City
 Mary Ann Renda, Steubenville
 Jeri Elizabeth Richardson, Columbus
 Mary Kathleen Rickey, Springfield
 Shirley Ann Rose, Piqua
 Mary Jane Ruby, Hubbard
 Tammy Louise Rummer, Norton
 Patricia Joann Saluga, Cincinnati
 Debra Lee Schaengold, Cincinnati
 Michele Ann Scheufer, Mentor
 Catherine Lynn Schilling, Munroe Falls
 Thomas Alan Schlembach, Toledo
 B.S. (University of Toledo)
 Mark Michael Schmitz, Columbus
 Amy Louise Schneider, Circleville
 Rosita Adele Schreck, Hilliard
 Phillip Dale Scott, Orient
 Benjamin Sherman, Jr., Mentor
 Paul Damon Shinko, Cleveland
 Kathleen Mary Simecek, Solon
 Lisa Ann Sinko, Hudson
 Jeffrey Paul Sites, Cleveland
 Monica Beth Skeldon, Toledo
 Linda Ellen Sloan, Springboro
 Beverley Jane Smith, Buffalo, N. Y.
 Michaela Marie Smith,
 Rancho Palos Verdes, Calif.
 Renee Sue Smith, Shelby
 Trena Carmean Smith, Columbus
 Mary Joan Soltzes, Yorkville
 Karen Louise Sprague, North Olmsted
 Don Edward Starner, Heath
 Mary Anne Stepanek, South Euclid
 Kimberly Ann Suerer, West Chester
 Jean Marie Taguiani, Dayton
 Valerie Gale Tarter, Anderson, S. C.

David Charles Taylor, Worthington
 Lisa Anne Tomlin, Warren
 Cheryl Louise Toroian, Altoona, Pa.
 Laurel L. Tubman, Chagrin Falls
 Paul Russell Turner, Dayton
 B.S. (Wright State University)
 James Edward Vogel, II, Woodsfield
 June Ann Wamsley, Pomeroy
 Carolyn Jean Wasson, Canton
 Julie Ann Watkins,sylvania
 B.S.
 Carol Ann Welsh, Cincinnati
 Laura Ann Wendling, Dayton
 Peggy Jo Westover, Canton
 Suzette Jeanne Whetrow, Montpelier
 Lee Ann Whitely, Bellevue
 Richard Joseph Wickstrom, Worthington
 John William Wigger, Donnelsville
 Gena Lee Winn, Columbus
 Cynthia Marie Wood, Cincinnati
 Debra Ann Wuske, Massillon
 AnnMarie Catherine Ziga, Akron
 Lisa Marie Zook, Massillon

Certificate of Post Baccalaureate Circulation Technologist

Robert Wayne Bolen, Warsaw
 B.S.
 Susan Katherine Farrell, Parma
 B.S.

Certificate of Post Baccalaureate Medical Technologist

Robert William Taylor, Lima
 B.S.

Certificate of Study in Medical Communications

Virginia Annette Shanaman Strawser,
 Columbus
 B.A.

Certificate of Study in Physical Therapy

Benitha Eleanor Crowley, Little Hocking
 B.S. (Ohio University)
 Michael Kevin Huth, Kent
 B.S. (Kent State University)
 Gay Lynne Lugibihl, Youngstown
 B.S. (Bowling Green State University)
 Pamela Diane Roberts, Elyria
 B.A. (Bluffton College)
 Marianne Wilson, Columbus
 B.S.

School of Nursing

Bachelor of Science in Nursing

Kimberly Bonita Adams, Paterson, N. J.
 Kimberly Alise Archer, Tipp City
 Lynn Ann Armstrong, Louisville
 Arneava Lynn Banks, Dayton

Kathleen Mary Bannon, Columbus
 Karen Lee Bartholow, Galena
 Nancie Mlakar Bechtel, Lorain
 Barbara Biss, Bedford
 Mary Rebecca Brell, Maumee
 Robin Diane Bruno, Hopedale
 Beth Hammons Buchler, Columbus
 Philip Damien Capretta, Columbus
 Kathryn Opatic Cardwell, Columbus
 Cynthia Gayle Carson, Greenfield
 Valerie Jean Cline, Amsterdam
 Linda Marie Coleman, Pickerington
 Gina Louise Connor, Columbus
 Jacqueline Renee Cronau, New Washington
 Cynthia Mary Curfman, Canton
 Cheryl Lynn Dadisman, Kettering
 Sally Renee Davis, Cleveland
 Diane Marie Dedow, Warren
 Tina Beck DeRosa, Mansfield
 Robin Jill Dewald, Mansfield
 Pamela Sue Dixon, Coshocton
 Michelle Aretta Douglass, Youngstown
 Jennifer Lee Dzwoneczyk, Columbus
 Karen Lee Eckfeld, Kenton
 Ruth Ann Farthing, Columbus
 Kelly Jo Faulhaber, Zanesville
 Cheryl Lynn Ferrell, Minerva
 Jill Justine Fortin, Columbus
 Sue Ann Fox, Galion
 Margo Francis, Brooklyn
 Shelley Louise Franz, Jackson
 Sherry Lynn Gaffin, Lyndhurst
 Judith Marie Gardner, Youngstown
 Tina Marie Garrett, Alliance
 Kathy Ann Geopfert, Stow
 Becky Lynn Gibbins, Minford
 Mary Suzanne Gordon, Upper Arlington
 David Michael Graham, Ostrander
 Joni Ellen Grennan, Columbus
 Martha Sue Gross, Casstown
 Alison Ann Grubic, Lorain
 Barbara Hall, Columbus
 Terri Ann Harrington, Mansfield
 Mary Elizabeth Harvin, Columbus
 Vickie Sue Hatfield, Columbus
 Judith Marie Heeg, Columbus
 Laurel Lynn Hodson, Columbus
 Mark Shawn Holland, North Canton
 Jane Taylor Jarrell, Dayton
 Laura Leigh Johnson, Hillsboro
 Jerry Ivor Jones, Hillsboro
 Rebecca Lynn Jones, Chicago, Ill.
 Cynthia Lynn Jurcisin, Cleveland
 Laura Denise Keever, Columbus
 Kim Kelley, Columbus
 Sally Ann Kelly, Lancaster
 Jeffri Lynn Leach, Grove City
 Lori Inez Levitas, Cincinnati
 Christina June Lim, Richfield
 Liana Jean Lutz, Hudson
 Lisa Flora McCallum, Doylestown
 Kathleen Marie McCarthy, Springfield, Va.
 Mark David McCormick, Wadsworth
 Nanette Renee McEnroe, New Philadelphia
 Gail Ellen McLoda, Canal Winchester
 Catherine Louise Maiberger, Tiffin
 Jeanne Nelson Marshall, Moreland Hills
 Pamela Sue Martin, Circleville
 Jane Ellen Mauk, Lima
 Matthew Sylvan Mayer, Sandusky
 Beth Ann Metzger, Delphos
 Carma Jean Mills, Bloomingdale
 Lisa Cheryl Mines, Youngstown
 Patricia Ann Mitchell, Columbus
 Jane Lee Moff, Canfield
 Sharon L. Mullins, Akron
 Valerie Ann Murphy, Westfield Center
 Christi Kay Neal, Ironton
 Susan Jane Nosal, Bridgeport

Kathleen Alice Offenberger, Malvern
 Barbara Donna Paliobagis, New Richmond
 Luann Marie Perone, Worthington
 Amy Louise Perttula, Shaker Heights
 Amy Beth Pittman, Centerville
 Lee Ann Polk, Dublin
 Michele May Prewitt, Blanchester
 Mary K. Pultz, Columbus
 Curtis Arthur Ramsey, Mantua
 Elfrieda Marie Rehlinger, Canfield
 Amy Lynn Rosato, Columbus
 Laura Sabo, Youngstown
 Amy Offutt Schindler, Parma
 Elizabeth Ann Schorpp, Brunswick
 Pamela Marie Schultz, Cleveland
 Jennifer Grace Sears, Miamisburg
 Kyna Lynne Setson, Sidney
 Gail Susan Shaeffer, North Olmsted
 Colleen Marie Shealy, Tiro
 Loretta June Shirer, Broadview Heights
 Susan Estelle Small, Defiance
 Stephanie Leah Solomon, South Euclid
 Karen Louise Soltes, Cleveland
 Michelle Denise Springer, Bath
 Helen Erna Stehr, Ashtabula
 Susan Jane Stieber, Brook Park
 Susan Bernadette Tappan, Cleveland
 Jennifer Lynne Todia, Strongsville
 Teresa Ann Tomko, Lowellsville
 Marsha Kay Tschop, Lyndhurst
 Renee Lynn Uchino, Warren
 Cathy Dee Updegraff, Columbus
 Sonia Christine Vukovich, Youngstown
 Dawn Marie Warehime, Wilmington
 Lori Sue Wegner, South Holland, Ill.
 Diane Evelyn Werner, Bellevue
 Gwendolyn Elaine Wilson, Marion
 Susan Lisa Wirth, Parma
 Kathleen Ruth Wood, Cambridge
 Jaclyn Ilene Yashon, Columbus
 Karen Jo Yeary, Columbus

Magdalene Dawn Gaedtko Corbin, Columbus
 B.S. (Ball State University)
 Jack L. Ewan, Jr., Defiance
 D. Douglas Friend, Troy
 Lisa Ann Fulks, Canfield
 Michael Patrick Gilliland, Columbus
 B.S.
 Robert J. Glosik, Seven Hills
 William Joseph Guappone, Cincinnati
 B.A. (University of Notre Dame)
 Michael Bruce Gural, Fairborn
 Joseph Allen Halabis, Newark
 David Michael Hartenstein, Bloomville
 Ted James Harvey, Lexington, Neb.
 Robert Lee Holly, Grand Island, Neb.
 Anna Kopelziw Hopkins, Columbus
 Phillip Brian Jacobs, Springfield
 Matthew Ernest Jones, Columbus
 Gene F. Knapke, Minster
 B.S.
 Daniel S. Kretch, Beachwood
 David Lee Kroninger, Gahanna
 B.S., M.S.
 Albert Raymond LaMotte, Forest Lake, Minn.
 B.A. (Concordia College)
 Robert C. Layman, Toledo
 B.A. (University of Toledo);
 B.S.
 Jonathan Dane Lucas, Portsmouth

*Lawrence B. Shafer, Fairlawn
 Trent Arthur Sponseller, Shelby
 B.S. (Cleveland State University)
 Eric Glenn Stocker, Worthington
 Park Alan Studebaker, Dayton
 B.S.
 George D. Taylor, Hicksville
 David William Timochko, Parma
 B.S. (Bowling Green State University)
 Thomas R. Truitt, Worthington
 Mark G. Tufte, Northwood, N. D.
 Sue Ellen Van Dootingh, Sandusky
 B.S. (University of Toledo)
 Jason C. Witters, Greenville
 * To be awarded Posthumously

College of Optometry

Dean: Frederick W. Hebbard

Doctor of Optometry

James E. Acker, Oshkosh, Neb.
 B.S. (University of Nebraska—Lincoln)
 Laird Douglas Ackerson, Columbus
 B.S.
 Cindy Francis Ahern, Lancaster
 B.S.
 Sandra Williams Anderson, Westerville
 Randall Irvin Baughman, Cincinnati
 Mark Edward Berger, Maumee
 Peter William Bickel, Columbus
 B.S.
 Rhonda Diane Bronston, Springfield
 Jeffrey J. Capelle, Willard
 George Michael Chioran, Solon
 Gregory L. Coburn, New Boston
 B.S.
 Kevin L. Colopy, Zanesville

Tina Cirino Martin, Whitehouse
 James Robert Maul, Mansfield
 B.S.
 Brett Dennis McVey, Findlay
 B.S. (Bowling Green State University)
 Thomas J. Moore, Cedar Rapids, Ia.
 B.S. (Marquette University); M.S.
 Kathleen A. Murphy, Newark
 B.A. (Miami University)
 Ronald A. Pycraft, Wellington
 B.A. (Wilmington College)
 Susan Gibson Quinn, Warren
 Cheryl Janise Reed, Akron
 B.S. (University of Akron)
 Timothy Edward Reineck, Fremont
 B.S.
 Karen Angela Riccio, Columbus
 James C. Robinson, Waterville
 Victor Mark Rosen, Lorain
 B.S.
 Robert Stearns Russell, Bexley
 B.A. (Plattsburgh State University,
 SUNY)
 Beth Leigh Savage, Chesterland
 John David Seng, Dover

College of Pharmacy

Dean: Albert H. Soloway

Bachelor of Science in Pharmacy

Patricia Erin Barnett, Columbus
 Jeffrey Paul Bonner, Mt. Vernon
 Mary Jo Bosu, Willowick
 Cynthia Lou Burns, Solon
 Carolyn Butkiewicz, Cleveland
 Gwenda Gay Christian, Oak Hill
 Peter Dixon Clouse, Columbus
 B.S. (University of Toledo)
 Douglas Lee Cotsamire, Ada
 Mary Ellen Denz, Newark
 Mary-Catherine Anne Devlin, Youngstown
 Susan Jean Diefenthaler, Walbridge
 Jean Cecilia Drexler, Akron
 Mary Patricia Fayen, Lakewood
 Mary Beth Fedeshen, Hubbard
 Gary Francis Galletta, Struthers
 John Michael Gnatowski, Brooklyn Heights
 Fred Douglas Hensley, Columbus
 B.A. (Miami University)
 William David Hipp, Lebanon
 Donald Rees Hughes, McDonald
 Linda Sue Johnson, Logan
 William Andrew Kasper, Ravenna
 Sheila Eileen Kerr, Canton
 Lynne Ellen Kimura, Euclid
 Thomas Alan Kocarek, Painesville
 Gerald Lee Kremer, St. Henry
 Charles Jordan Lawrence, Akron
 B.S. (University of Akron)
 Ernest John Lee, Pickerington
 B.S. (Ohio University)
 Nicholas Libertin, II, Campbell
 Dale Jay Linebaugh, Columbus
 Richard James Loesser, Tiffin
 Scot Alan Lovejoy, Montclair, N. J.
 B.S. (Montclair State College)
 Christy Lynn Madison, East Liverpool
 Joseph Henry Mayer, Wadsworth
 Jay Stuart McCauley, Georgetown
 Mary Beth McClelland, Chardon
 Susan Mendiola, Ravenna
 Walter Adam Mendyka, Westlake
 B.S.
 Karen Lynne Meyer, Bryan

Marcia Ann Mohrfield, Cincinnati
 Tamara Lynn Olenchuk, Parma
 Soon Mi Park, Columbus
 Neena Bhagwanjibhai Patel, Gahanna
 Rebecca Anne Pint, Akron
 Elizabeth Ann Pressler, Barberton
 Mary Elizabeth Rayburn, Niles
 Theodore Anthony Ridings, West Chester
 Sharon Louise Rocca, Zanesville
 Mary Josephine Ryba, Lower Burrell, Pa.
 Karen Marie Sewalk, Coshocton
 Robert William Shasteen, Washington C. H.
 Jeffrey Alan Slavkovsky, Youngstown
 Jeffrey Frank Staric, West Chester
 William Frank Staric, Columbus
 David John Vistein, Independence
 Mark Anthony Wernery, Reading
 David Andrew White, McDonald
 B.S. (Baldwin-Wallace College)
 Linda Kay Wilson, Zanesville
 Christine Marie Woltman, Canton
 Mary Kathleen Wylie, Oil City, Pa.
 Daniel Michael Wynarsky, Parma

Katheryn Marie Houston, Youngstown
 Cathleen Huner, Wauseon
 Mary Sylvia Hyde, Warren
 Blanche Arlene Jackson, Cleveland
 Mary Margaret Jurco, North Ridgeville
 Laura Kagy, Bloomville
 Christine Marie Kidwell, Columbus
 KimberLee Kinney, Bellefontaine
 Suzanne Jeanette Krekler-McClelland,
 Columbus
 Betty Anne LaRosa, Parma
 Suzanne Marie LeMay-Hibinger,
 Reynoldsburg
 Karen Anne Lowe, Mentor
 Sarah Ann Luken, Columbus
 Jacquelyn Kay McFadden, Monroeville
 Judith Ann McLain-Porter, Parma
 Helen Claire McNamara, Mansfield
 Judy Ann Manfred, Steubenville
 Monica Mang, Westlake
 Karen Ann Meyer, Bellevue
 Rebecca Ann Mobley, Cambridge
 Margaret Mary Mumaw,
 Orlando, Florida
 Peggy Lynne Myers, Columbus
 Patricia Newman, Worthington
 Margaret Ann Niese, Miller City
 Teresa Dawn O'Dell, Springfield
 Joy Chinyere Odor, Lagos, Nigeria
 Diane Louise Peacock, Cincinnati
 James S. Petroff, Jr., Mansfield
 Marie H. Philips, Springfield
 Diana Lynn Pocock, Louisville
 Peter Norman Prewett, Columbus
 Alyson Ramsay, Bucyrus
 Cindy Rathbun, Vermilion
 Robin Jeanette Rau, Worthington
 Jeri Joan Redding, Columbus
 Heidi Jean Reichenbach, Kent
 Donald Lewis Rhoades, Westerville
 Frances Lee Robbins, Marion
 Beverly Denise Robinson, Cleveland
 Roger Lyle Runser, Lima
 Marion S. Sabados, Mayfield Heights
 Scott David Schlachter, Cleveland Heights
 Megan Anne Schneider, Columbus
 Alice Suzanne Scott, Columbus
 Nancy Louise Scott, Ashtabula
 Paula Georgette Shearer, Jeromesville
 Amy Beth Sherman, Columbus
 Connie Lynn Sowers, Cincinnati
 William John Squirie, Niles
 Thomas Joseph Stacho, Cleveland
 Diane Mary Stroemple, Strongsville
 Nanette Simonne Super, Strongsville
 Marcella Lyn Sutherland, Aurora
 Tina Lynn Szmania, Toledo
 Sheryl Ann Trone, Worthington
 Amy Lynne Tucker, Springboro
 Cynthia Lee Weaver, Mentor
 Paula S. West, Beavercreek
 Kim Marie Williams, Waterville
 Matilda Woods, Coshocton
 Elizabeth Ann Yocum, Dayton

College of Veterinary Medicine

Dean: Ronald A. Wright

Doctor of Veterinary Medicine

Nancy Fay Adams, Walton, Ky.
 Ronald Carl Anders, Columbus
 B.S.
 Scott Karl Andersen, Upper Marlboro, Md.
 B.S. (University of Maryland)
 Elaine Mary Arsenaunt, Concord, N. H.
 B.S. (University of New Hampshire)
 Gary Gene Beall, Dayton
 B.S.
 Kathy Joanne Bennett, Ft. Washington, Md.
 B.S. (University of Maryland)
 Sherry Lorraine Billett, Wildwood, N. J.
 B.A. (Wittenberg University)
 Joy Faith Bishop, Columbus
 B.S.
 Warren Linn Black, Hebron
 B.S.
 Christopher Reid Blausler, Tipp City
 B.S.
 John Edward Bohl, Sardinia
 B.S.
 Jeanne Bradford Bonham, Cincinnati
 B.S.
 Neil Bert Bonham, Cleveland
 B.S.
 Diana Laver Bowman, Columbus
 B.S.; B.S. (Miami University)
 Randi Diane Brannan, Toledo
 B.S. (University of Toledo)
 Jeffrey Allen Buchs, Amherst
 B.S.
 Paul Wilson Buck, Columbus
 B.S.
 Jeff Eugene Byers, Loudonville
 B.S.
 Amy Ruth Campbell, Arlington, Va.
 B.S. (University of Maryland)
 Richard Harvey Carstensen, Martin
 B.S.
 Julia Louise Carter, Winston-Salem, N. C.
 B.S. (North Carolina State University)
 Grace I-May Chang, Columbus
 B.S.
 Juanna Sung-Kuen Chin, Columbus
 B.S. (Northwestern University)
 Mark Anthony Christine, Middlefield
 B.S.
 Leslie Kasdorf Cramer, Columbus
 B.S. (University of Illinois)
 John Robert Cummins, Lexington, Ky.

College of Social Work

Dean: Robert O. Washington

Bachelor of Science in Social Welfare

Beverly Adelman, Cleveland
 Joseph P. Armstrong, Columbus
 Rebecca Suzanne Bagby, Columbus
 Walter Dean Berry, Findlay
 Lea Ann Blair, Pataaskala
 Pamela Ann Brodnik, Solon
 Amy Lou Chestnutwood, Lodi
 Carla Frances Cimoroni, Beachwood
 Deborah Lee Claggett, Delaware
 Kim Marie Connolly, Pollock Pines, Calif.
 Janet Anne Cool, Republic
 Karen Sue Cooper, Westerville
 Jill Mae Coy, Greenwich
 Lisa Marie Cross, Continental
 Julia Cruz, Lorain
 Edelina Sue Damron, Galena
 Linda Ann Davey, Delphos
 Victoria Lynn DeMatteis, Columbus
 Linda Dicker, South Euclid
 Deneen De Donough, Fostoria
 Anne M. Donohoe, Lyndhurst
 Drinda Kay Dye, Wooster
 Wendy Elaine Finger, Aurora
 Sally Jean Foeller, Columbus
 Carrie Sue Foster, Columbus
 Robin Lea Foulk, Worthington
 Pamela Irene Frank, West Chester
 Marjorie Lynne Frazier, Newark
 Michael Robert Futtzy, Mansfield
 Rochelle LeAnn Gardner, Westerville
 Jill Diane Getrost, Coco, Fla.
 Anita Marie Gosnell, Reynoldsburg
 Cynthia Louise Graffius, Canfield
 Patricia Louise Gray, Columbus
 Maurita Victoria Hackett, Wilmette, Ill.
 Marilyn Kay Hall, Newark
 Nancy Susan Hammer, Beachwood
 Jon Thomas Hapanowicz, Cuyahoga Falls
 Susan Marie Hawley, Silver Lake
 Margaret Ann Haynes, Centerville
 Carolyn Marie Hirzel
 Karla S. Hockenberger, Toledo
 Deborah Lee Hoepfer, Reading

Leighann Daristotle, Fairmont, W. Va.
B.S. (West Virginia University)

James Joseph Dasbach, Columbus
B.S.

Barbara Constance Day, Brecksville
B.S.

Frederick John Diedrich, III, Columbus

Thomas Edward Dorr, Cincinnati

Ellen Emily Dryer, Cincinnati
B.A. (Miami University)

Daryl Gene Easley, Paris, Ky.

David Scott Eble, Euclid
B.S. (Cleveland State University)

Thomas John Fatora, Parkersburg, W. Va.
B.S. (West Virginia University)

Deborah Ann Ford, Galloway
B.S.

Kirk Wesley Forrest, Tiffin
B.S.

Ellen Sue Foster, Dayton

Glenn Robert Frank, Cincinnati

Lisa Marie Fulton, Toledo
B.A. (Miami University)

Mark Alan Gearhart, Edon
B.S. (Ohio University)

Chris Wellen Gilbert, Greenville
B.S.

Pamela Fisher Goehring, Canton
B.S.

Robert Zell Goodman, Cleveland Heights
A.B. (Miami University); M.Sc.

Dwain Keith Gorby, Jr., Fairborn
B.S.

Kelly Ray Grant, West Carrollton

Charlie Wagner Green, Lancaster
B.S.

Samuel Lee Groseclose, Welch, W. Va.
B.S. (Hampden-Sydney College)

Mary Lynn Gullede, Morven, N. C.

Mark Paul Haverkos, Loveland
B.S. (University of Dayton)

Eleanor Carroll Hawkins, Pasadena, Md.
B.S. (University of Maryland)

Jeffrey Russell Hayes, Cleveland
B.A. (Augustana College)

Mary Katherine Hazelton, North Olmsted

Lowell Mark Hedges, Prospect

Barry Allen Heineke, Highland Heights, Ky.
B.S. (Northern Kentucky University)

Laura Amelia Hirt, Fremont
B.S.

Hannah Marie Hitesman, Hopewell, N. J.

Melinda Decker Holland, Lancaster
B.S.

Christine Marie Howard, Franklin
B.S. (University of Kentucky)

Melanie Iona Hull, Galion
B.S.

Paul Joseph Hunter, Wilmington
B.S.

Amir N. Izad, Akron
B.S. (University of Akron)

Sherman Wessel Jack, Takoma Park, Md.
B.S. (University of Maryland)

Judith Sheridan Jackwood, Bel Air, Md.
B.S. (University of Delaware)

Pamela Ann Jaffke, Toledo
B.S.

David James Jasko, Avon Lake
B.S.

Seth Aron Kaplow, Tenafly, N. J.
B.S. (Kent State University)

Craig Kelleher, North Hampton, N. H.
B.S. (Michigan State University)

Mark Sherman Ketner, Bowling Green
B.S.

Holly Ann Koenig, Garfield Heights
B.S. (Cleveland State University)

Timothy Leland Kolb, Fairborn

Brian Scott Kraushar, Cincinnati
B.S.

David Lee Krugh, Ohio City

Jean Guard Lewis, Raleigh, N. C.
B.S. (North Carolina State University)

Kurtis Dale Liljeberg, Cleveland
B.S.

Scott William Line, Findlay
B.S.

Brenda Isabel Long, Columbus
B.S. (St. Lawrence University)

Deborah Susan Lutz, Lima
A.B. (Miami University)

John Charles Lutz, Lima
A.B. (Miami University)

Valorie Sheets Mackey, Gallipolis
A.S. (Rio Grande College); B.S.

Fred Anthony Mann, Ashland, Ky.
A.A.S. (Morehead State University)

Michael Adam Martello, Steubenville
B.S., M.S.

Richard Edward Martin, Newark
B.S.

Camille Jeanne McArdle, San Diego, Calif.

Stephen August McMullen, Hamilton

Debra Susan McVey, Haw River, N. C.

Christopher Bryan Meehl, Lynnfield, Mass.
B.S.

Charles Frederick Morris, Dayton
B.S., M.Sc. (Wright State University)

Carl David Morrison, III, Paris, Ky.
B.S. (Centre College)

Carol Jayne Osborne, Columbus
B.S.

Mary Rippey O'Shaughnessy, Kennebunk, Me.
B.S. (University of New Hampshire)

Thomas James Paisley, III, Ashtabula
B.S. (Hillsdale College)

Chester David Paluchowski, Piscataway, N. J.

Richard Francis Papp, Jr., Warren
B.S.

John Thomas Payne, Newport News, Va.

Jeff Alan Poland, Coshocton

William Donald Pratt, Endicott, N. Y.
A.A.S. (Alfred State College); B.S. (Cornell University); M.S.

William Joseph Reagan, South Euclid

Timothy James Rice, Cleveland
B.S.

Peter James Richie, Columbus
B.S. (University of Maine); M.S.

Jeffery Alan Richman, Beachwood
B.S.

Beverly Louise Roeder, Newark
B.A. (Wittenberg University)

Joseph Michael Romano, Clarksburg, W. Va.

Dominique Marcelle Rouvet, Columbus
B.S. (Rutgers University); M.S.

Susan Marie Saliga, Rahway, N. J.
B.S. (Cook College)

Craig Francis Sarver, Marietta
B.S.

Joletta Marie Sberna, Bellevue
B.S.

Alice Beth Schottenstein, Columbus
B.S., M.S.S.A. (Case Western Reserve University)

Allan Wallace Schulze, West Chester
B.S.

Paul Allen Schwartz, Norwalk
B.S.

Primrose Anne Sedmak, Cincinnati
B.S. (Wright State University)

Jeffrey David Shafer, Columbus

Thomas Malcolm Sherwood, Richmond Heights

Michael Glenn Shields, Curtice
B.S. (Bowling Green State University)

Larry Alan Slezniak, Milford, N. J.
B.S. (Delaware Valley College)

James Theodore Southard, Jr., Toledo
B.S. (Washington and Lee University)

Carolyn Primuth Standen, Cleveland Heights; B.S.

Paul Richard Stephenson, South Euclid
B.S. (Cleveland State University)

Edwin John Stone, Marion, Va.

Robert Lynn Stottlemeyer, Columbus

Steven Grant Stratemeyer, Cincinnati
B.S. (University of Cincinnati)

Steven Patrick Tancred, Dayton
B.S. (Wilmington College)

John Alfred Thomas, Rocky River

Josie Christine Thompson, Colerain, N. C.
B.S. (North Carolina State University)

Mary Elizabeth Torrence,
Charleston, W. Va.
B.S. (West Virginia University)

Donna Elaine Truesdell, Cherry Hill, N. J.

Patricia Ann Tucker, Alliance
B.S.

David Michael Tunder, Seven Hills
B.S.

Helen Florence Wadsworth, Ahoskie, N. C.
B.S. (North Carolina State University)

Wendy Adams Ware, Columbus
B. Music (Westminster Choir College)

Neal Wilbert Westgerdes, Coldwater
B.S.

Craig Kent Whittington, Newell, W. Va.
B.S. (Fairmont State College);
B.S. (West Virginia University)

Douglas Edward Wiley, Canfield
B.S.

Jeffrey Lee Williams, Greensburg
B.S.

David John Wilson, Milwaukee, Wis.

Barbara Ann Wolfman, Akron
B.S.

Jeffrey David Wyatt, Cincinnati
B.S.

Donna Marie Wyman, Quincy, Mass.
B.S.

William Michael Yost, Camden
B.S. (Berea College);
M.Sc. (Iowa State University)

William John Zingalie, Brecksville
B.S. (Case Western Reserve University)

Graduates with Honors

Criteria for graduation with honors are as follows:

With Distinction requires successful completion of a Senior Honors Thesis, oral examination, and graduation in the top 25% of the class.

With Honors in the Liberal Arts requires successful completion of the arts and Sciences Honors Contract and graduation in the top 25% of the class.

Cum Laude designates those graduating in the top 10% of the class (top 6% in the Colleges of the Arts and Sciences). **Summa Cum Laude** designates those graduating in the top 3% of the class (top 1.5% in the Colleges of the Arts and Sciences).

With Distinction in Agricultural Economics

Gregory Lee Sharp
Jon Gregory Squires

With Distinction in Animal Science

Sean Patrick Kelleher
Marcia Ann Lenox

With Distinction in Biochemistry

Damian Banaszak

With Distinction in Electrical Engineering

Shawn Pleasants

With Distinction in Environmental Communications

Mary Kim Raderstorf

With Distinction in Environmental Education

Brent Joseph Devitt

With Distinction in Forest Resource Management

Mark Francis Golitz

With Distinction in Health and Demography

Jane Anne Dunham

With Distinction in History

David Howard Steigerwald

With Distinction in Home Economics Education

Lynne Degler Hall
Tami Lea Bunnell

With Distinction in Home Management and Housing

Pamela Jean Gordon

With Distinction in Horticulture

Thomas Clyde Waters
Neill Theodore Welch

With Distinction in Human Nutrition and Food Management

Robyn Amy Meizlish

With Distinction in Pharmacy

Scot Alan Lovejoy

With Distinction in Physical Therapy

Carol Eileen Huffman

With Distinction in Political Science

Joan Laura Carlin
Simon Paul St. John Harter

With distinction in Political Science

Michael James Huerkamp

With Distinction in Psychology

Catherine Suzanne Garrett

With Distinction in Wildlife Management

Judi Beth Kerrigan

With Distinction in Zoology

Donna Ann Dewhurst

With Distinction in Black Studies and with Honors in the Liberal Arts

Rebeka Lucy Maples

With Distinction in Chinese and with Honors in the Liberal Arts

Bradley Lewis Tindall

With Distinction in Economics and with Honors in the Liberal Arts

Eric Andrew Freeland

With Distinction in Environmental Biology and with Honors in the Liberal Arts

Joseph Gerard Leahy

With Distinction in Physics and with Honors in the Liberal Arts

Mitchell Gregg Roe

**With Distinction in Psychology and
with Honors in the Liberal Arts**

Allison M. Oprandi

With Honors in the Liberal Arts

Ted Allen Beitelchees
MaryEllen Bigler
Christie Lynn Bishop
David Brent Brown
Anne Marie Kovalchuk
Susan Diane Kraner
Bradley Legan Kunz
Laura Ann Lander
Kathryn Ruth McCarron
Gary Neer
Regina Ellen Quinn
Martha Sajatovic
Ann-Marie Juanita Sarabia
Cynthia Kay Sites
Janet Patricia Steensen
Daniel Jeffrey Wilson
Thomas Michael Wood
Mark Andrew Youngkin

Cum Laude

Paul Brent Abramson
Kimberly Marie Adams
Ronald R. Ahrens
Lisa Ruth Akers
Diane Elizabeth Albert
Jennifer L. Allemang
John Steven Alspaugh
Jennifer Irene Anlin
Suzanne Jean Andes
Kelly Cole Anspaugh
Martin Lee Appleton
Robert Francis Arey, Jr.
Shawn Renee Armstrong
Cindy Sue Arndt
Elaine Mary Arsenault
Erick Eugene Baer
Kevin Charles Baun
Kathy Joanne Bennett
Gary S. Besancon
Dale Joseph Block
James Leo Brand
Joanne Marie Brosmer
Patricia Louise Brown
William Andrew Brown
Laura Ann Busby
Susan Marie Buttress
Cynthia Gale Carson
Andrea L. Ceisler
Gwenda Gay Christian
Virginia Cassidy Christman
Sarah Howland Clark
Kevin Lee Colopy
Robert B. Conklin
Paul Robert Conkling
Rebecca Ann Cook
Brenda Kay Cooperrider
Mark Thomas Corroto
Leighann Daristotle
Gary Henry DiBlasio
William Garrett Dodds
Thomas Edward Dorr
Cheryl Lynn Dorsey
Karen Marie Dorsten
Andrew Calvin Downing
Jody Ann Drewes
Vicki Linn Driggs
Colleen Marie Durbin
Daryl Gene Easley
Karon Lee Eckfeld

Richard Allen Erickson
Diane Sheri Faridad
Cheryl Ann Fassler
Matthew Dale Feikes
Kim Darcel Fleming
Barbara Ann Florence
Sally Jean Foeller
Marjorie Lynne Frazier
David Howard Freund
David Douglas Friend
Lisa Marie Fulton
Ronald Jay Gaines
Rochelle LeAnn Gardner
Steven Anthony Gedeon
Emily Sue Geesy
Ann Beatrice Martin Gehres
Jill Diane Getrost
Amy Elizabeth Glosch
David Dwight Goltra, Jr.
Phyllis Marie Goodwine-Bradley
Ludmila Maria Gracanic
Janet Marie Guendelsberger
Douglas Edward Hall
Scott Edward Hanson
Wesley Frank Hard
Kevin Paul Hardman
Kerri June Hart
Linda Elizabeth Hatch
Eleanor Carroll Hawkins
Christine Jean Helser
Bradley Collins Hiner
Kimberly Diane Horton
Diana Marie House
Amelia Louise Howard
Howard Wayne Hoyt
Steven Thomas Hugenberg
Tracy Lynn Hull
Debbie Lynn Huntley
John Mark Hyde
Daniel Ebling Jackson
Jeannette Crum Jones
Timothy Allen Jones
James Alan Jungles
Pauline Ann Kaltenbach
Susan Marie Kaminski
Ann Kaye
Patrick Joseph Kelley
Susan Camille Kersell
Quincey Atterberry Kiracofe
Amy L. Klisz
Holly Ann Koenig
Chris Scott Kogge
Linda Lee Kohl
Gerald Lee Kremer
Marvin Lionel Krieg
Cherie Jane Kuhn
Kristine Ann Kunesh-Part
Linda Smith Lampton
Gina Maureen Lee
Mun Keung Leung
Sarah Ann Levinson
Nicholas Libertain, II
Robert Nathan Lindeman
Margaret Ann Colleen Lindner
Christina S. Lockett
Thomas Lombardo
John Hayes Ludwig
Liana Jean Lutz
Therese Marie Malone
John Anthony Marazza
John Francis Marcinak
Beth Ann Martin
Kathleen Dolours Martin
John Andrew Maul, Jr.
Bernard Francis McArdle

Nanette Renee McEnroe
David Richard McFarland
Hunter Alvin McGeary
Jane Schlemmer Mellick
Margery Mendicino
Susan Mendiola
Lynn Ann Meyers
Martin William Mielke
Paul Anthony Miggins
Christine Ann Miller
Jeffrey Stuart Miller
William Frederick Miser
Deborah Sue Mohr
James Martin Molnar
Thomas Joseph Moore
Carl David Morrison, III
Chester Warren Murphy, III
Julie G. Murphy
Laura Anne Mutchler
Thomas John Nau
Carolyn Ann Nosik
Robert Walling Oliphant
Patricia Lynn Olvera
Douglas Eugene Parsell
Luann Marie Perone
Barbara Jane Pfeiffer
Marilu Pflieger
Carol Jean Poling
Maria Pulice
Carol Jean Purcell
Susan Marie Pyle
Donna St. Clair Radcliff
Kenneth Earl Ramsey
John Richard Raymond
Caroline Anne Rayner
William Joseph Reagan
Cheryl Janise Reed
Robert Lester Reid
Alan Dale Reinbolt
Graydon Alan Reitz
Sally Ann Revering
Russell David Richardson
Mary E. Rigali Riepenhoff
Frances Lee Robbins
David Alan Robinson
Ronald Gene Robinson
Joseph Michael Romano
Gregory Elwood Rose
Janet Sue Ross
Thomas Kostas Rosvanis
Gregory Eric Rowan
Sean Michael Saccocio
Mark Alan Salisbury
David Allen Schlaifer
Vicki Ann Schmitt
Elizabeth Ann Schorpp
Brenda Sue Schult
Joan Guzzi Schwab
Randall Scott Schwartz
Mary Jill Selke
Teri Lynn Shackelton
Susan Marie Shanahan
Haven Clark Shelton
Sharon McLaughlin Shemenski
Joanne Marie Sheppard
Leonard Saul Shutzberg
Susan Elaine Sigler
Teresa René Simpson
Julie Lynn Slaughterbeck
Daniel Michael Slutzker
Susan Estelle Small
Mark Allen Smith
Mark Warren Smith
Glenn David Southwick
Trent Arthur Sponseller
John M. Stanton
Theresa Joan Stanton

William Frank Staric
 Diana Kay Steed
 David Alexander Stewart
 Eric Glenn Stocker
 Lisa Jo Stockwell
 Arthur Leroy Stoller
 Sue Ellen Styer
 Daryl Robert Sybert
 Regina Lea Tawney
 Patricia Ann Taylor-Broberg
 Kerry Dean Tedrow
 Robert Bryant Thomas
 Kay Elizabeth Thompson
 Mark Eric Tikson
 Nanette Renee Tippett
 Charles Samuel Tritt
 Donna Elaine Tuesdell
 Mark Glenn Tufte
 John Ignatius Uhlenhake
 Arthur James Vaughn
 Rhonda Leigh Veach
 Helen Florence Wadsworth
 Wendy Adams Ware
 Carol Ann Welsh
 Stephen William Welter
 Beverly Jane West
 Mary Anne Witt
 Thomas Eugene Wilkins
 Barbara Jo Williams
 Virginia S. Wilson
 Carl Edward Wisener
 Cynthia Marie Wood
 Pamela Lynn Wolf
 John Fredrick Woll
 Cynthia Marie Wood
 Debra Sue Worthington
 James Bradley Young
 Jack Alan Ziegler

Cum Laude with Distinction in Agricultural Economics

Thomas Jay Bollinger
 Michael Spear Ray
 B. Christopher Steiner

Cum Laude with Distinction in Agricultural Education

Baboucar Manneh

Cum Laude with Distinction in Agronomy

Thomas Homer Beckett

Cum Laude with Distinction in Animal Science

Pamela Lynn Blakeslee

Cum Laude with Distinction in Biochemistry

Kevin Patrick Barton

Cum Laude with Distinction in Demography and Health

Ann Patricia Riley

Cum Laude with Distinction in Fisheries Management

Tracy Mark Murray

Cum Laude with Distinction in Forest Biology

Mark Charles Spiro

Cum Laude with Distinction in Home Economics Education

Rebecca R. Kilgore

Cum Laude with Distinction in Horticulture

Michael Andrew Koss
 Patricia Eileen Petri

Cum Laude with Distinction in Human Nutrition

Marcia Lee Mitchell

Cum Laude with Distinction in Political Science

Sandra J. Dickinson

Cum Laude with Distinction in Poultry Science

Skip Yarus

Cum Laude with Distinction in Biochemistry and with Honors in the Liberal Arts

Gregory R. Bellomy

Cum Laude with Distinction in Criminology and Criminal Justice and with Honors in the Liberal Arts

Cathleen May Cover

Cum Laude with Distinction in Genetics and with Honors in the Liberal Arts

Janet Elaine Lewis

Cum Laude with Distinction in History and with Honors in the Liberal Arts

Norman Michael Reed

Cum Laude with Distinction in Philosophy and with Honors in the Liberal Arts

Michael A. Murphy

Cum Laude with Distinction in Psychology and with Honors in the Liberal Arts

John Anthony Gurklis, Jr.

Cum Laude with Distinction in Sociology and with Honors in the Liberal Arts

Loretta Lee Peckol

Cum Laude with Distinction in Zoology and with Honors in the Liberal Arts

Timothy Eugene Dicke

Cum Laude with Honors in the Liberal Arts

Anthony James Esterwood
 Steven Bruce Kravitz
 Bradley Johnathan Lewis
 Cherry Lynne Potest
 Ann Price
 Jonathan Showalter
 Ann Elizabeth Townsley

Summa Cum Laude

Joyce Yeager Adair
 Sandra Williams Anderson
 Jeffrey John Bacon
 William Irvin Bauer
 Christina Lee Bowman
 Karin Blythe Brauburger
 Stephanie Ann Brett
 Deborah Jane Brown
 Eileen Mary Brubeck
 Susan M. Buckalew
 Mary A. Carlisi
 Janis Faith Carter
 Pamela Jayne Chaney
 John Nelson Clark
 Carlos Abel Clavijo
 Russell Brian Cline
 Linda Marie Coleman
 Douglas Lee Cotsamire
 Beverly Ann Cox
 Joan Elizabeth Crumpler
 Susan Ann Curley
 Linda Sue Davis
 Deneen De Donough
 Philip Wesley Dorn
 Karen Driscoll
 Mark Jonathon Ellis
 Susan Elaine Elmore
 Richard Wayne Espe
 Gary Robert Fankhauser
 Keith Alan Fish
 Kevin Patrick Flanagan
 Ruth A. Fortney
 Abigail Freeman
 Susan Marie Fuller
 Jane Ann Garvin
 Mark Alan Gearhart
 Karen Anne Gelliarth
 Ellen Mary Gerlat
 Dale Robert Gilliland
 Cynthia Louis Graffius
 Mark Allen Groeneweg
 Jill Ann Harshbarger
 Jay Douglas Hathaway
 Rebecca deSchweinitz Hays
 Judith Marie Heeg
 Joni Anne Hentze
 Christopher Stanley Herold
 Gary Joseph Heydinger
 Robert Gerald Hrivnak
 Judith Sheridan Jackwood
 David James Jasko
 Elizabeth Ann Jones
 Cynthia Kay Keller
 Donald R. Kimble, Jr.
 Richard Joseph Koba
 Thomas Alan Kocarek
 Kathleen Amy Kolb
 Donna M. Kronz
 Mary Kathryn Kurdziel
 Charles Jordan Lawrence
 R. Mark Lawrence
 Suzanne Marie LeMay-Hibinger
 Richard Aloys Levy
 Deborah Ann Lindner
 Linda Kaye Lookenott
 Jeffrey Ray Loushin
 Karen Ruth Lowry
 Gregory Paul Lutz
 Donna Marie MacFarland
 Kathy Sue Marsh
 Ronald Sherman May
 Gail Ellen McLoda
 Loretta Joan Melavagno
 Marcia Mendicino
 Linda Lee Moberger
 Russell Glenn Morgan

Carl Ricci Obert
James Donald Overmeyer
Catherine Ann Pape
Chris E. Paterson
Debra Jean Pleis
Doris Ann Powell
Cheryl Eileen Pusti
Mark Otis Raber
Gregory O. Rake
Julie Anne Rhine
Christina Faye Runyon
Scot David Sargel
Sabrena Jane Schweyer
Carl Robert Schulz
Lisa Lyn Sczublewski
John Kenneth Seavers
John Nick Sekas
Larry Gilbert Siferd
Michaela Marie Smith
Susan Renee Squire
Diane Mary Stroemple
John Alfred Thomas
Phillip D. Turner
Peter Mark Van Buren
Bradley T. Vander Zanden
Sonia C. Vukovich
Thomas Michael Warden
Andrew Michael Weber
Peter Jerome Wilson
Mary Kathleen Wylie
Kathryn Kay Yazel
Danny Yee
Lillian Yee
Mary Jean Zontek

**Summa Cum Laude with Distinction in
Accounting**

Diane Kay Horst Hill

**Summa Cum Laude with Distinction in
Agricultural Economics**

Gary Donald Schnitkey

**Summa Cum Laude with Distinction in
Agricultural Engineering**

Sue Ellen Nokes

**Summa Cum Laude with Distinction in
Economics**

Ernest Eugene Vargo, Jr.

**Summa Cum Laude with Distinction in
Electrical Engineering**

Donald Felt Kimball

**Summa Cum Laude with Distinction
in English**

Elizabeth Jo Stealy

**Summa Cum Laude with Distinction in
Home Management and Housing**

Linda Susan Plimpton

**Summa Cum Laude with Distinction in
Human Nutrition**

Kevin Dale Schlessel

**Summa Cum Laude with Distinction in
Mathematics**

Joseph John Rushanan

**Summa Cum Laude with Distinction in
Physics**

Heidi René Mitchell

**Summa Cum Laude with Distinction in
Psychology**

Joan Rae Rentsch

**Summa Cum Laude with Distinction in
Chemistry and with Honors in the
Liberal Arts**

William Lewis Roberts

**Summa Cum Laude with Distinction in
Computer and Information Science and
with Honors in the Liberal Arts**

Dean Thomas Allemang

**Summa Cum Laude with Distinction in
Mathematics and with Honors in the
Liberal Arts**

Karim Joseph Mourad

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

Rocky Edward Black

**Summa Cum Laude with Honors in the
Liberal Arts**

Judy Haejung Cho

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

Columbus, Ohio, June 10, 1982

The Board of Trustees met at its regular monthly meeting on Thursday, June 10, 1982, at The Ohio State University Fawcett Center for Tomorrow, Columbus, Ohio, pursuant to adjournment.

Present: Warren J Smith, Chairman, John D. Jacob, D. James Hilliker, John F. Havens, Daniel M. Galbreath, Edmund C. Redman, Leonard J. Immke, John W. Berry, and Shirley D. Bowser.

* * *

Minutes of the last meeting were approved.

* * *

June 10, 1982 meeting, Board of Trustees

The Chairman, Mr. Smith, called the meeting of the Board of Trustees to order at 11:30 a.m. He requested the Secretary to call the roll. The meeting recessed into Executive Session for the purpose of considering legal issues and personnel-related matters.

Present: Warren J Smith, Chairman, John D. Jacob, D. James Hilliker, John F. Havens, Edmund C. Redman, Leonard J. Immke, John W. Berry, and Shirley D. Bowser.

--o--

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

INTRODUCTION OF NEW BOARD MEMBER

Mr. Smith:

I am delighted to introduce Mrs. Shirley Dunlap Bowser, Williamsport, Ohio, whose appointment was announced by Governor James A. Rhodes for a term beginning May 14, 1982 and ending May 13, 1991, to succeed Chester Devenow, whose term expired.

Mrs. Bowser graduated from The Ohio State University in 1956 with a Bachelor of Science in Education degree. While pursuing her undergraduate degree, she was a member of Kappa Kappa Gamma sorority. She was selected for membership in Alpha Lambda Delta, Mirrors, Chimes and Mortar Board honoraries.

Mrs. Bowser is the corporate secretary of The Dunlap Company of Williamsport, Ohio.

Mrs. Bowser served as a member of the Westfall Board of Education from 1964 until 1972 and as president of the board from 1966 until 1970. She was media librarian for the elementary schools of the Westfall Local School District.

She is a member of the Central Ohio Advisory Council for the Development of the Central Ohio Water Plan, a member of the Pickaway County Planning Commission and a member of the Williamsport Park Commission.

She was appointed by Governor James A. Rhodes to the Recreation and Resources Commission of Ohio Department of Natural Resources and was elected the first woman Chairman of the Commission.

She is a trustee for the Ohioana Library Association.

Mrs. Bowser is a charter member of the Circleville Branch of American Association of University Women, a member of the Presidents Club and a member of the Williamsport United Methodist Church.

--o--

June 10, 1982 meeting, Board of Trustees

COMMITTEE APPOINTMENTS 1982-83

Resolution No. 82-111

WHEREAS the appointments to Committees and the representatives to the Research Foundation Board of Directors, the Development Fund Board of Directors, the Inter-University Council, and the University Hospitals Board for 1982-83 are as follows:

Educational Affairs Committee

Leonard J. Immke, Chairman	D. James Hilliker
Daniel M. Galbreath, Vice Chairman	

Fiscal Affairs Committee

John F. Havens, Chairman	John W. Berry
Edmund C. Redman, Vice Chairman	

Standing Committee on Agricultural Affairs

Daniel M. Galbreath, Chairman	Shirley Dunlap Bowser
John M. Stackhouse, Vice Chairman, ex officio	

Student Affairs Committee

John W. Berry, Chairman	John F. Havens
Leonard J. Immke, Vice Chairman	

Personnel Committee

Warren J Smith, Chairman	D. James Hilliker
John D. Jacob, Vice Chairman	

Development Fund Board of Directors

John W. Berry	Shirley Dunlap Bowser
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Inter-University Council

John D. Jacob

Research Foundation Board of Directors

Edmund C. Redman (April 1983)

University Hospitals Board

Daniel M. Galbreath	Edmund C. Redman
D. James Hilliker	

June 10, 1982 meeting, Board of Trustees

COMMITTEE APPOINTMENTS 1982-83 (contd)

NOW THEREFORE

BE IT RESOLVED, That the Committee appointments and the representatives to the Research Foundation Board of Directors, the Development Fund Board of Directors, the Inter-University Council, and the University Hospitals Board for 1982-83 be approved.

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

--O--

COMMENTS BY DR. RICHARD GILSON

Mr. Smith:

Richard Gilson, who is the Chairman of the Steering Committee of the Senate, has asked to speak to the Board.

Dr. Gilson:

Thank you, Mr. Smith and Board members and Mr. President. This is making my first comments and last comments as the Steering Committee Chairperson and as proof of that point, I'd like to recognize Professor Herb Asher, Professor of Political Science, who succeeds me as the Chairperson of the Steering Committee. Herb has been the Chairperson of the Legislative Affairs Committee during an important year and has rallied students and faculty alike and has some important endeavors downtown. I'm sure he will do an outstanding job.

I'd also like to note that the faculty voted for Professor Richard Firestone to be Chairman of the Faculty Council. Professor Firestone is a Professor of Chemistry, and he replaces the irreplaceable--Professor Michael Gerald who has been this year a delight to work with.

Also, I would like to thank and congratulate one of our departing Steering Committee members, Provost Ann Reynolds. Best wishes to her in her new position as the Chancellor of that monstrous system out there in the State of California.

Secondly, I've had the privilege this year of observing this Board's actions during a very difficult year, and I feel it would be helpful as Janet Martin said before to have all our faculty members observe Board activities and see what the Board does. I realize that's impossible. Many on campus regard the Trustees like a trust in the sense that a trust is far removed and oftentimes inactive. This Board is far from that. It's been concerned, interested, and active in bringing about not only people throughout the state but on campus as well and during this year's challenges, and for that, I think this campus owes you an appreciation, and I bring that to you--in particular for the support this year for this University during the

June 10, 1982 meeting, Board of Trustees

COMMENTS BY DR. RICHARD GILSON (contd)

Dr. Gilson: (contd)

ongoing budget crisis. Many don't realize the amount of efforts that this Board has contributed to this ongoing crisis, and I would like to bring our thanks from the faculty and from the students for the work this year.

And secondly, we feel that you've made an exemplary choice in our new President, Dr. Edward Jennings, and for that we applaud you as well.

Indeed, during this year the ongoing budget--it's evident that a number of universities have not made it through this year without questioning the very survival of the quality of their institutions--OSU, however, has made it through this year with students, faculty, administrators, and the President working together and very hard indeed to maintain the high quality of Ohio's flagship institution--The Ohio State University.

Accordingly, and I think appropriately, the Steering Committee proposed and the Senate unanimously passed as its final action of the year, the following resolution which I would like to read to you:

WHEREAS Edward H. Jennings became the tenth President of The Ohio State University on September 1, 1981; and

WHEREAS President Jennings has demonstrated remarkable leadership in working with faculty, staff, and students throughout this first year of his presidency; and

WHEREAS the University Senate appreciates the efforts President Jennings has made to emphasize the excellence of this institution:

NOW THEREFORE

BE IT RESOLVED, That the University Senate congratulates President Jennings for his accomplishments during his first year in office and urges him to continue in this fine manner during the years to come.

And I note that that is one of the Senate resolutions--mostly it's at the end of a term and this is the beginning of the term. Thank you.

--o--

BUDGET 1982-83

Resolution No. 82-112

Synopsis: The Budget for 1982-83 is being submitted for adoption.

June 10, 1982 meeting, Board of Trustees

BUDGET 1982-83 (contd)

WHEREAS the projections of current State revenues for the 1981-83 biennium are insufficient to support the budget adopted by the State for the current biennium; and

WHEREAS this University has made or initiated expenditure cuts which now total \$42 million for the 1981-83 biennium; and

WHEREAS the General Assembly currently has under consideration a funding bill to resolve a part of the State's revenue shortfall; and

WHEREAS this University must proceed with its budget for 1982-83 to be effective July 1, 1982, even with the current uncertainties in State revenues:

NOW THEREFORE

BE IT RESOLVED, That the University Current Funds Budget for Fiscal Year 1982-83, as described in the accompanying text and tables, be approved with authorization for the President to make expenditures within the projected income levels, including making additional reductions in expenditures as appropriate should no new funding legislation be enacted before July 1, 1982; and

BE IT FURTHER RESOLVED, That the student fees be increased by an average of 12 percent beginning Autumn Quarter, 1982, and that the Schedule of Student Fees for the Autumn Quarter, 1982, be hereby approved; and

BE IT FURTHER RESOLVED, That the Secretary be instructed to incorporate all supporting documents into the minutes of this meeting, including salary rolls with promotions, and fees and charges for the Fiscal Year 1982-83, and to file these materials with the official records of this University.

Mr. Smith:

Before I ask for a motion and a vote on the President's budget recommendation, I would like to make the following statement.

It seems that it was only yesterday that this Board was in the process of selecting a new president. As a matter of fact, it was on the evening of June 11, 1981, that this Board announced that Edward Jennings had been recommended by the search committee for appointment as the tenth President of The Ohio State University. In reflecting back on that announcement and all that has transpired since--the normal problems associated with leadership transition, compounded by a series of excruciating budget cuts and the resulting need to make institutional adjustments; and the struggle to achieve a degree of stability for the university--I think we all can appreciate the enormity of the problems just in this area alone which the President has had to deal with during his first year. He is to be commended for a job well done. It should also be noted that his effective leadership relative to the ordinary, day-to-day affairs of the University is equally deserving of meritorious recognition.

June 10, 1982 meeting, Board of Trustees

BUDGET 1982-83 (contd)

Mr. Smith: (contd)

All would agree that there are no ultimate ways to give recognition to President Jennings for his superb efforts and exemplary performance during his first year. However, this Board strongly believes that some recognition of the President's achievements is warranted at this time in the form of compensation adjustment. In addition, in order that the Board may regularize the review of the President's compensation so that the timing coincides with the review process pertaining to University faculty, administrative staff and Classified Civil Service salaries, I am pleased to report that the Personnel Committee has recommended that effective July 1 President Jennings' salary be increased by 10 percent.

It is worth noting that even with the proposed increase, President Jennings' compensation will still not be commensurate with that of several Presidents of Big Ten and other peer institutions.

I would like to ask for a motion to approve the President's budget recommendations as well as the recommendation of the Personnel Committee as noted in this report. Do I have a motion?

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

1982-83 CURRENT FUNDS BUDGET FOR THE OHIO STATE UNIVERSITY

I. INTRODUCTION

In December, 1981, this Board approved a budget for fiscal year 1981-82 which also referenced budgetary projections for 1982-83 covering salaries, general expenses, and tuition.

In January, 1982, we were informed that the State of Ohio anticipated a revenue shortfall for the current biennium of at least \$1 billion. The Ohio State University's share of that deficit was estimated to be \$55 million. Our new estimate, based on more current data, is that the 1981-83 biennium revenue shortfall for this University will be \$56.6 million, assuming no further legislative action.

In response to this serious financial situation, a retrenchment program was initiated in January to reduce by \$19.6 million the University's budget for the remainder of the 1981-82 fiscal year. The remaining \$37 million retrenchment was to be addressed during 1982-83, unless the General Assembly took action to help accommodate the deficit.

As of this date, both the Ohio House and Senate have passed a budget bill that essentially resolves the state's deficit by asking for cuts and tax increases in about equal proportion. This bill currently is in conference committee, and we are confident that the House and Senate will agree upon and pass a common bill soon.

June 10, 1982 meeting, Board of Trustees

1982-83 CURRENT FUNDS BUDGET FOR THE OHIO STATE UNIVERSITY (contd)

Although it was our intent to wait until legislative action was completed before recommending a budget for 1982-83, we cannot wait any longer. Our goal has been to provide more fiscal stability to allow faculty, staff, and students to plan for next year. Unless we proceed, the stability we hope to establish will be endangered.

Students must know of tuition and residence hall rates before the end of Spring Quarter. Faculty and staff notices of appointment must be issued. Finally, deans, department heads, and directors must be able to implement their plans for the coming fiscal year and be able to assume budgetary authority on July 1, so that their academic responsibilities can be met.

Accordingly, two budgets for 1982-83 are being recommended. One version includes, in addition to the \$42 million in expenditure cuts implemented this biennium, an additional \$8 million retrenchment in the event that a new funding bill is not passed. The other includes additional planned expenditures to be implemented if the General Assembly agrees on a bill that allows us to avoid starting the Fiscal Year facing more budget cuts. The budget preparation guidelines are the same for each version. These budgets incorporate both the plans brought to the Board in December, 1981, and the cutbacks instituted in January, 1982.

II. SOURCES OF FUNDS

The sources of current funds in support of the 1982-83 budget total \$644,834,000, as detailed in the schedule of Sources of Income to Support 1982-83 Budget. This amount is based upon State support being cut by \$37 million from the level appropriated in the budget bill enacted in November, 1981. Pending action by the General Assembly is expected to result in restoration of \$17 million in State support for this University for 1982-83. If no action is taken by the General Assembly before July 1, 1982, additional budget cuts will need to be initiated during 1982-83 in order to avoid a deficit. The revenues for 1982-83 represent an estimated increase of 6.5 percent over current funds revenues budgeted for 1981-82. Of these sources, Columbus Campus general funds represent 42 percent of the total with earnings operations generating 34 percent, restricted grants and contracts 19 percent, and the regional campuses revenues with OARDC totaling 6 percent.

While our projections for 1982-83 made this past December did not include a tuition increase, one clearly is required now. If we are to remain a viable institution of quality higher education, students must bear at least a moderate rise in the cost. We must, however, continue every effort to maintain accessibility. Therefore, the average increase in student fees has been set at 12 percent effective Autumn Quarter, 1982.

In addition to higher tuition, students face price increases in such other areas as residence halls, health insurance, parking, and extracurricular activities. Therefore, increases in normal charges assessed by the University have been limited to a combined average of no more than 12 percent. This policy is designed to help alleviate the "nickel and dime" effect on our students if such prices are not controlled.

Due to continued uncertainties in State revenues, every effort has been made to create within the budget plan flexibilities which will allow this University to address further reductions in State support without disruption to the academic programs. If funding legislation is not

**1982-83 CURRENT FUNDS BUDGET FOR
THE OHIO STATE UNIVERSITY (contd)**

enacted, \$8 million in further expenditure cuts will be required to balance the budget before June 30, 1983, on top of the \$42 million in cuts already initiated for this biennium. Such action will be extremely disruptive and leave no room for further flexibility.

III. USES OF FUNDS

This University's current funds estimated expenditures for Fiscal Year 1982-83 are detailed in the schedule of Budgeted Expenditures for 1982-83. These expenditure levels will enable this University to implement the following budget guidelines for Fiscal Year 1982-83:

- * Increase faculty and administrative/professional staff salaries by an average of 3 percent across-the-board and 5 percent for merit.
- * Classified personnel to receive pay increases of 40 cents-per-hour or 5 percent, whichever is greater, in accordance with House Bill 694, with this University covering one-third the cost.
- * Provide an allowance of 1 percent as a supplemental allocation for market adjustments for faculty and administrative/professional staff.
- * Increase general expense budgets by 9 percent for the colleges and offices, which includes 7 percent increases in stipends for graduate students working as teaching, research, and administrative associates.
- * Provide on a one-time basis, special allocations of \$600,000 to maintain the purchasing power of University funded student financial aid support and a \$4.4 million emergency fund to meet critical needs with emphasis on maintaining quality, providing adequate instructional staffs, supporting accessibility and affirmative action efforts.

In addition to these specified budget increases, the expenditure budget will enable this University to meet mandatory General Fund cost increases such as utilities (\$2.1 million) and employee benefits (\$1.3 million).

Assumed in this budget is full implementation of the overhead cost recovery system applicable to all University earnings operations. This program, instituted January 1, 1982, will reduce the General Fund burden of support for these earnings operations by having each such unit cover the total costs, both direct and indirect, of their activities.

This budget plan for 1982-83 calls for the January retrenchment levels to be instituted on a recurring basis at a level of \$22.55 million. These cutbacks include a \$6.7 million retrenchment for the colleges and offices on the Columbus campus, cuts of \$6.95 million for University programs receiving line-item appropriations, and full implementation of administrative overhead charges to earnings operations totaling \$8.9 million. When the 1981-82 and proposed 1982-83 cuts are combined, the total expenditure reductions for the biennium amount to \$42.13 million.

**1982-83 CURRENT FUNDS BUDGET FOR
THE OHIO STATE UNIVERSITY (contd)**

The \$6.7 million in retrenchments for general fund-supported units will be permanent reductions from the budget bases of academic and administrative units. We have maintained the concept established in January of protecting the instructional budgets as much as possible, with special emphasis on the needs of those colleges experiencing significant enrollment changes. The distribution of the cuts to colleges and administrative units will differ, however, from those assigned in January. The cuts from the colleges will not exceed 3 percent, while the cuts for the administrative units will not exceed 4.5 percent of each unit's 1982-83 budget base.

If a revised revenue bill is enacted, it is expected to reduce the cutback in State funding to this University from \$56.6 million to \$29.8 million over the current biennium. If such a bill is passed the following expenditures will be incorporated into the 1982-83 budget plan:

- * Eliminate the need for \$8 million in further expenditure reductions and restore the applicable portion of the cuts to University operations funded by line-item appropriations from the State.
- * Continue upgrading equipment and library acquisitions by making \$6 million available in one-time funding in addition to the \$3.1 million provided for these uses in the 1981-82 budget.
- * Commit up to \$3.2 million to address instructional workload needs generated by increasing and shifting student enrollment patterns.
- * Maintain a \$3.8 million contingency against further State and federal revenue shortfalls during 1982-83.

IV. CONCLUDING COMMENTS

We are recommending an extremely austere fiscal program. These budget plans attempt to maintain accessibility through moderate tuition and fee increases; attempt to maintain the essential quality of the institution by retaining our best faculty and staff; attempt to address some serious problems in regard to outdated equipment and a deteriorating library acquisitions budget; and attempt to provide the fiscal flexibility to respond on an emergency basis to those most critical needs that inevitably develop in this comprehensive and dynamic institution.

Simultaneously, these plans recognize that The Ohio State University must do its part in these financially troublesome times by accepting budget retrenchments that amount to more than \$42 million for the last 18 months of the biennium. We are making \$42 million in cuts, even assuming a budget bill. The magnitude of these cuts is unprecedented, both in percentage and dollar amounts.

We are confident that this University's faculty and staff, deans and department heads, and students will continue their outstanding efforts in seeing us through this very difficult situation. With the cooperation and dedication of all individuals across the campuses, we will continue to maintain and enhance the long traditions of excellence of The Ohio State University.

June 10, 1982 meeting, Board of Trustees

THE OHIO STATE UNIVERSITY
1982-83 CURRENT FUNDS BUDGET
SOURCES OF INCOME TO SUPPORT 1982-83 BUDGET
(IN THOUSANDS)

	1981-82 Budget December 10, 1981	1981-82 Revised Budget	1982-83 Proposed Budget
Columbus Campus			
Government Appropriations			
State of Ohio	\$179,130	\$161,442	\$172,379
Federal	75,653	70,419	68,196
Other	9,735	9,551	9,232
Subtotal	\$264,518	\$241,412	\$249,807
Student Fees			
Instruction and General	\$ 86,878	\$ 88,178	\$ 96,731
Room and Board	22,788	22,537	25,168
Other	3,992	4,026	4,687
Subtotal	\$113,658	\$114,741	\$126,586
Other Income			
Auxiliary Sales and Charges	\$157,901	\$154,896	\$171,360
Department and University Services	14,835	15,584	17,039
Endowment Income	5,205	5,208	5,315
Gifts and Grants	21,714	22,480	25,245
Temporary Investments	13,000	15,000	12,000
Subtotal	\$212,655	\$213,168	\$230,959
TOTAL COLUMBUS CAMPUS	\$590,831	\$569,321	\$607,352
Regional Campuses			
Lima Campus	\$ 3,637	\$ 3,513	\$ 3,689
Mansfield Campus	3,344	3,203	3,642
Marion Campus	2,233	2,136	2,238
Newark Campus	3,135	3,005	3,131
Agricultural Technical Institute	3,800	3,639	3,575
Wright-Patterson Graduate Center	105	105	-0-
TOTAL REGIONAL CAMPUSES	\$ 16,254	\$ 15,601	\$ 16,275
TOTAL ALL CAMPUSES	\$607,085	\$584,922	\$623,627
OARDC	\$ 21,635	\$ 20,600	\$ 21,207
GRAND TOTAL	\$628,720	\$605,522	\$644,834

June 10, 1982 meeting, Board of Trustees

THE OHIO STATE UNIVERSITY
1982-83 CURRENT FUNDS BUDGET
BUDGETED EXPENDITURES FOR 1982-83
(IN THOUSANDS)

	1981-82 Budget December 10, 1981	1981-82 Revised Budget	1982-83 Proposed Budget
Columbus Campus			
Instruction and General			
Departmental Instruction and Research	\$199,029	\$193,053	\$210,223
Libraries	12,017	10,645	12,784
Other Academic Support	4,282	4,396	4,496
Sponsored Programs Administration	6,331	6,211	7,566
Student Services	10,593	10,374	11,620
Plant Operation	33,378	32,633	36,574
Institutional Support	22,595	22,076	24,452
Total Instruction and General	\$288,225	\$279,388	\$307,715
Sponsored Research			
Federally Sponsored Programs	\$ 41,148	\$ 39,486	\$ 40,233
Other Externally Sponsored Programs	10,520	10,134	10,288
Internally Sponsored Programs	539	521	745
Total Sponsored Research	\$ 52,207	\$ 50,141	\$ 51,266
Public Service			
University Hospitals	\$128,495	\$127,335	\$136,482
Cooperative Extension Service	24,534	24,007	24,984
Externally Sponsored Programs	16,841	15,719	15,689
Internally Sponsored Programs	5,528	5,302	5,849
Total Public Service	\$175,398	\$172,363	\$183,004
Student Aid	\$ 8,339	\$ 8,027	\$ 8,330

June 10, 1982 meeting, Board of Trustees

THE OHIO STATE UNIVERSITY
1982-83 CURRENT FUNDS BUDGET
BUDGETED EXPENDITURES FOR 1982-83
(IN THOUSANDS) (contd)

	1981-82 Budget December 10, 1981	1981-82 Revised Budget	1982-83 Proposed Budget
Columbus Campus (contd)			
Auxiliaries			
Student Housing	\$ 27,325	\$ 26,387	\$ 28,445
Intercollegiate Athletics	11,599	11,403	11,495
University Bookstores	7,808	7,707	8,129
Student Health Service	3,027	2,931	3,232
Student Unions	2,850	2,544	2,722
Parking Facilities	3,493	3,353	3,616
University Airport	3,003	3,003	3,168
Fawcett Center for Tomorrow	1,942	1,767	1,884
Other	1,249	1,249	1,318
Total Auxiliaries	\$ 62,296	\$ 60,344	\$ 64,009
TOTAL COLUMBUS CAMPUS	\$586,465	\$570,263	\$614,324
Regional Campuses			
Administration	\$ 220	\$ 220	\$ 237
Lima Campus	3,204	3,202	3,364
Mansfield Campus	2,990	2,875	3,365
Marion Campus	1,936	1,921	2,013
Newark Campus	2,729	2,679	2,860
Agricultural Technical Institute	3,453	3,387	3,285
Wright-Patterson Graduate Center	105	105	-0-
TOTAL REGIONAL CAMPUSES	\$ 14,637	\$ 14,389	\$ 15,124
Retrenchment to be Defined	-0-	-0-	(\$ 8,240)
TOTAL ALL CAMPUSES	\$601,102	\$584,652	\$621,208
OARDC	\$ 21,635	\$ 20,600	\$ 21,207
GRAND TOTAL	\$622,737	\$605,252	\$642,415

PROPOSED SCHEDULE OF STUDENT FEES, EFFECTIVE AUTUMN QUARTER, 1982

College or School	Credit Hours Enrolled	Instructional	General	Resident Total	Nonresident Tuition	Non-Resident Total
Undergraduate						
Administrative Science						
Agriculture and Home Economics						
Allied Medical Professions						
Architecture						
Biological Sciences						
Continuing Education	0-1	\$ 66	\$12	\$ 78	\$ 63	\$ 141
Dental Hygiene	2	84	17	101	126	227
Education	3	98	24	122	189	311
Engineering	4	130	31	161	251	412
Health, Physical Education and Recreation	5	163	40	203	315	518
Humanities	6	195	48	243	378	621
Journalism	7	228	55	283	441	724
Journalism	8	261	63	324	504	828
Mathematical and Physical Sciences	9	293	71	364	567	931
Mathematical and Physical Sciences	10	326	79	405	630	1,035
Music	11	358	87	445	693	1,138
Natural Resources	12 or more	391	95	486	756	1,242
Nursing						
Pharmacy						
Social and Behavioral Sciences						
Social Work						
The Arts						
University College						

PROPOSED SCHEDULE OF STUDENT FEES, EFFECTIVE AUTUMN QUARTER, 1982 (contd)

College or School	Credit Hours Enrolled	Instructional	General	Resident Total	Nonresident Tuition	Non-Resident Total
Graduate School	0-1	\$ 66	\$12	\$ 78	\$ 88	\$ 166
	2	106	19	125	176	301
	3	159	29	188	263	451
	4	213	38	251	351	602
	5	266	48	314	439	753
	6	319	57	376	527	903
	7	372	67	439	615	1,054
	8	426	76	502	703	1,205
	9	478	86	564	791	1,355
	10 or more	532	95	627	879	1,506
Graduate Professional						
Law	0-3	\$ 157	\$24	\$ 181	\$ 235	\$ 416
Pharmacy, Doctor of	4	207	31	238	311	549
	5	262	40	302	393	695
	6	313	48	361	471	831
	7 or more	627	95	722	941	1,663
Medicine						
	0-3	\$ 278	\$24	\$ 302	\$ 350	\$ 652
	4	368	31	399	462	861
	5	465	40	505	585	1,090
	6	557	48	605	700	1,305
7 or more	1,114	95	1,209	1,400	2,609	
Dentistry						
Optometry	0 3	\$ 228	\$24	\$ 252	\$ 350	\$ 602
	4	301	31	332	462	794
	5	381	40	421	585	1,006
	6	456	48	504	700	1,204
7 or more	913	95	1,008	1,400	2,408	
Veterinary Medicine						

PROPOSED SCHEDULE OF STUDENT FEES, EFFECTIVE AUTUMN QUARTER, 1982 (contd)

College or School	Credit Hours Enrolled	Instructional	General	Resident Total	Nonresident Tuition	Non-Resident Total
Executive M.B.A.	1st year	\$1,665	\$95	\$1,760	\$879	\$2,639
	2nd year	1,505	95	1,600	879	2,479
University Regional Campuses						
Undergraduate	0-1	\$ 66	\$12	\$ 78	\$ 63	\$ 141
	2	84	17	101	126	227
	3	98	20	118	189	307
	4	130	27	157	252	409
	5	163	33	196	315	511
	6	195	40	235	378	613
	7	228	46	274	441	715
	8	261	53	314	504	818
	9	293	60	353	567	920
	10	326	66	392	630	1,022
	11	358	73	431	693	1,124
	12 or more	391	80	471	756	1,227
Graduate	0-1	\$ 66	\$12	\$ 78	\$ 88	\$ 166
	2	106	16	122	176	298
	3	159	24	183	263	446
	4	213	32	245	351	596
	5	266	40	306	439	745
	6	319	48	367	527	894
	7	372	56	428	615	1,043
	8	426	64	490	703	1,193
	9	478	72	550	791	1,341
	10 or more	532	80	612	879	1,491

June 10, 1982 meeting, Board of Trustees

**PROPOSED SCHEDULE OF STUDENT FEES,
EFFECTIVE AUTUMN QUARTER, 1982 (contd)**

Undergraduate students enrolled in any quarter, term, or period for twelve or more credit hours will be assessed full fees. Fees for undergraduate students enrolled for eleven or fewer hours in any quarter, term, or period shall be assessed on a per credit hour basis, with the fees for fewer than three credit hours as shown above and with the minimum Instructional and General fees being \$78 for zero or one credit hour.

Graduate students enrolled in any quarter, term, or period for ten or more credit hours will be assessed full fees. Fees for graduate students enrolled for nine or fewer hours in any quarter, term, or period shall be assessed on a per credit hour basis, with the fees for fewer than three credit hours as shown above and the minimum Instructional and General fees being \$78 for zero or one credit hour.

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

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TRAFFIC AND PARKING RULES OF THE OHIO STATE UNIVERSITY

Resolution No. 82-113

Synopsis: Revision of the University's Traffic and Parking Rules is proposed.

WHEREAS on November 3, 1978, the Board adopted Motor Vehicle, Traffic and Parking Regulations of The Ohio State University; and

WHEREAS there is a need to update those regulations and the Board is being requested to approve revised rules regulating traffic and parking on the campus:

NOW THEREFORE

BE IT RESOLVED, That the revised Traffic and Parking Rules of The Ohio State University be adopted by the Board of Trustees.

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

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June 10, 1982 meeting, Board of Trustees

ESTABLISHMENT OF DEPARTMENT OF NEUROLOGY--COLLEGE OF MEDICINE

Resolution No. 82-114

Synopsis: A proposal to establish a Department of Neurology in the College of Medicine is being presented.

WHEREAS the Council on Academic Affairs has received and reviewed a request that a Department of Neurology be established within the College of Medicine; and

WHEREAS the Council on Academic Affairs believes the proposal to be well founded and such a department would provide for enhanced and more visible teaching, research, clinical, and service in the area of neurology; and

WHEREAS the Office of the Vice President for Health Sciences, the College of Medicine, and the Department of Medicine endorse and approve the proposal:

NOW THEREFORE

BE IT RESOLVED, That the Board of Trustees approve the action taken by the University Senate on May 8, 1982, to establish a Department of Neurology within the College of Medicine.

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

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UNIVERSITY HOSPITALS BOARD BYLAWS

Resolution No. 82-115

Synopsis: Amendments to University Hospitals Board Bylaws are proposed.

WHEREAS pursuant to bylaw 3335-103-01 of the Administrative Code, the Board of Trustees is authorized to amend the *University Hospitals Board Bylaws*; and

WHEREAS after a careful study of the *University Hospitals Board Bylaws*, as approved by the Board of Trustees on May 2, 1980, and amended on September 5, 1980, November 7, 1980 and September 4, 1981, further amendments are recommended; and

WHEREAS bylaws 3335-93-01, 3335-93-02, 3335-93-03 are modified to delete the vice president for health sciences and establish the president as the university's administrative contact with the hospitals board; and

WHEREAS bylaw 3335-97-03 is altered to change the composition of the joint committee membership:

June 10, 1982 meeting, Board of Trustees

UNIVERSITY HOSPITALS BOARD BYLAWS (contd)

NOW THEREFORE

BE IT RESOLVED, That the amendments as recommended by the University Hospitals Board on May 27, 1982 be approved.

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

Chapter 3335-93

UNIVERSITY HOSPITALS BOARD BYLAWS

3335-93-01 University hospitals board.

- (A) The body responsible to the Ohio state university board of trustees for oversight of patient care services, the university hospitals' support of the Ohio state university health sciences academic programs, shall be known as the university hospitals board (herein called board).
- (1) The hospitals board will be composed of three members of the Ohio state university board of trustees (trustee members) and twelve citizens from the general public (citizen members), all appointed by the Ohio state university board of trustees in consultation with the president of the university. No employee of the university shall be eligible for board membership.
 - (2) The president of the Ohio state university shall be an ex officio member of the hospitals board.
 - (3) Insofar as feasible, the selection criteria will ensure that the hospitals board membership will include persons with business expertise, persons with legal expertise, persons with knowledge of health care issues, persons knowledgeable about the academic mission of university hospitals, and persons who can assist the hospitals in its relations with the public and governmental entities. Selection processes will incorporate the affirmative action policies of the university.
 - (4) The term of office for the twelve citizen members will be three years. Of the original twelve such members appointed, four will be appointed for three years, four will be appointed for two years, and four will be appointed for one year. Thereafter, four members will be appointed each year to serve three-year terms. At the discretion of the Ohio state university board of trustees, any citizen member may serve two consecutive terms. Original members with two- or one-year initial appointments may serve two full terms in addition to the initial partial terms.
 - (5) In addition to the hospital board members, the following will participate in deliberations at the board's request, will receive agenda and minutes, and

UNIVERSITY HOSPITALS BOARD BYLAWS (contd)

from time to time will be invited to submit agenda items:

- Executive director of university hospitals
- Deans of health sciences colleges
- Medical director of university hospitals
- Chief, hospitals medical staff, or equivalent position

- (6) The president of the Ohio state university will serve as the university's primary administrative contact with the hospitals board and shall interpret to the university's board of trustees proposals and recommend actions of the hospitals board.
 - (7) The executive director of university hospitals will serve as the non-voting secretary to the board and provide such staff services for the board as may be requested.
- (B) In carrying out its responsibilities as defined in rule 3335-93-02 of the Administrative Code, the board shall seek continuing guidance from health professionals, management specialists, and others with professional expertise. The hospitals board may choose to have a periodic review of university hospitals activities by a board of visitors. The visitors, consisting of persons of national eminence in health care fields, would be selected in consultation with the president of the university.
(B/T 5/2/80, B/T 6/10/82)

3335-93-02 Powers and duties.

Members of the hospitals board shall be responsible to the university board of trustees for the oversight of patient care services in university hospitals and for ensuring that the hospitals' activities support the health sciences programs of the university. Although it is understood that the university board of trustees cannot delegate its ultimate authority over and responsibility for the hospitals--including determination of policy for the fiscal health of the university hospitals, its personnel policies, or the definition of the hospitals' mission--the hospitals board will be delegated the authority and responsibility set forth herein, consistent with Ohio law. The university hospitals board will be responsible for, subject to the authority and periodic review of the university board of trustees, the following:

- (A) Oversight of patient services, including admissions and quality assurance policies and practices developed by the hospitals staff.
- (B) Oversight of the hospitals' unique mission to support the health sciences teaching and research programs of the university.
- (C) Oversight of relationships with outside agencies, both private and public.
- (D) Oversight of hospitals' compliance with federal and state laws.
- (E) Oversight of hospitals' accreditation process.

June 10, 1982 meeting, Board of Trustees

UNIVERSITY HOSPITALS BOARD BYLAWS (contd)

- (F) Approval of medical and dental appointments, clinical privileges, and disciplinary actions upon the recommendation of the appropriate official, subject where required to final action of the Ohio state university board of trustees.
- (G) Approval of medical staff bylaws and recommendation thereof to the Ohio state university board of trustees.
- (H) Review of current funds and capital budgets prior to their submission to the Ohio state university board of trustees by the university president.
- (I) Advice and counsel to the president and/or his designee on matters of institutional income and expenditures, fees for institutional services, and utilization of hospitals services. (B/T 5/2/80, B/T 6/10/82)

3335-93-03 Accountability.

To ensure that the Ohio state university board of trustees meets its governance obligations under Ohio law, the hospitals board will be accountable, through the president to the Ohio state university board of trustees.

- (A) The appointment of the director of university hospitals will be approved by the Ohio state university board of trustees upon recommendation of the president of the university following consultation with the hospitals board.
- (B) Recommendations and reports of the hospitals board that require Ohio state university board of trustees' review or action will be communicated through the president of the university to the Ohio state university board of trustees.
- (C) The Ohio state university board of trustees will continue to hold the president of the university responsible for the conduct of the academic programs and for ensuring that the hospitals are operated in a manner consistent with university policy and state and federal law. (B/T 5/2/80, B/T 6/10/82)

3335-93-04 Meetings and notice.

- (A) Regular meetings. Regular meetings of the hospitals board may be held at the hospital each month, or on a schedule established by the board, at times which shall be set and publicly announced by the chairman of the board, or at such other time or place as may be announced by the chairman.
- (B) Special meetings. Special meetings may be called at the direction of the chairman, or shall be called by the chairman at the request of three members of the board, provided that notice to all board members shall be given not less than five days prior to the meeting. The notice shall state the time, place, and purpose of the meeting.
- (C) Except as otherwise specified in these bylaws, all meetings of the board and its committees shall be conducted in accordance with the latest revision of "Robert's Rules of Order."

June 10, 1982 meeting, Board of Trustees

UNIVERSITY HOSPITALS BOARD BYLAWS (contd)

(D) Meetings of the board shall be open to the public, except for executive sessions called for reasons permissible under Ohio law. (B/T 5/2/80)

3335-93-05 Quorum.

At least a majority of the current membership of the board shall be necessary for a quorum. (B/T 5/2/80)

3335-97-03 Joint conference committee.

(A) Purpose. The joint conference committee shall be a forum for discussion of medical policy and practice in the university hospitals and shall advise the board concerning hospitals patient care goals, policies, standards of care, and general operating problems. All recommendations of the medical staff to the board shall first be sent to the joint conference committee for its consideration and recommendation before being acted upon by the board. The committee shall perform such other duties as shall be given it by the board and shall also have the following specific duties:

- (1) Accreditation. The committee shall be responsible for advising the hospitals board on all matters relevant to maintenance of joint commission on accreditation of hospitals' accreditation. The committee shall monitor hospitals operation to identify areas of potential non-compliance with joint commission on accreditation of hospitals' standards and shall make recommendations to the hospitals board and to the medical staff for appropriate action.
- (2) Disaster planning. The committee shall be responsible for the development and maintenance of methods for the protection and care of hospitals patients and others at the time of internal and external disaster.
- (3) Medical staff appointments. The committee shall make recommendations to the board on all applications for appointment or reappointment to the medical staff of the hospitals, and on all matters dealing with suspension or revocation of privileges of members of the medical staff, as may be provided under the bylaws of the medical staff.
- (4) Medical staff bylaws, rules, and regulations. The committee shall recommend to the hospitals board all bylaws, rules, and regulations governing the activities of the medical staff, or amendments thereto, that it may consider necessary to assure proper patient care.
- (5) Medical staff liaison. The committee shall advise the hospitals board on any communications, requests, or recommendations presented by the medical staff through its duly authorized representatives. The committee shall receive and consider all reports on the work of the medical staff organization and make such recommendations to the board as it considers to be in the best interest of the hospitals. The committee shall also receive and consider issues that may arise in the planning and operation of the hospitals that affect the relationship of the board, hospitals management, and medical staff organization.

June 10, 1982 meeting, Board of Trustees

UNIVERSITY HOSPITALS BOARD BYLAWS (contd)

(B) Composition. The hospitals board shall be represented on the joint conference committee by five (5) members of the hospitals board to be appointed annually by the hospitals board chairman.

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AMENDMENT TO BYLAW 3335-1-03 (ADMINISTRATION OF THE UNIVERSITY)
Resolution No. 82-116

Synopsis: Amendment to Bylaw 3335-1-03 of the Administrative Code.

WHEREAS pursuant to rule 3335-1-09 of the Administrative Code and upon the recommendation of the President the following change is proposed:

3335-1-03 Administration of the university.

(U) University hospitals board.

(1) The university hospitals board shall be responsible to the board of trustees for the oversight of patient care services in university hospitals. The hospitals board shall be accountable through the president to the university board of trustees. The bylaws of the hospitals board will be subject to the approval of the university board of trustees.

NOW THEREFORE

BE IT RESOLVED, That the foregoing change in the bylaw be adopted.

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

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**RESTRUCTURING OF THE UNIVERSITY ADMINISTRATION--
AMENDMENTS TO BYLAWS OF THE BOARD OF TRUSTEES
AND RULES OF THE UNIVERSITY FACULTY**

Resolution No. 82-117

Synopsis: Amendments to Bylaws of the Board of Trustees [paragraphs (E) and (H) of bylaw 3335-1-03] and Rules of the University Faculty [3335-3-05 and 3335-3-08], the addition of 3335-3-173, and the deletion of paragraphs (O) and (P) of bylaw 3335-1-03 and rules 3335-3-15 and 3335-3-151 are proposed.

WHEREAS certain vice presidential positions have been combined; and

June 10, 1982 meeting, Board of Trustees

**RESTRUCTURING OF THE UNIVERSITY ADMINISTRATION--
AMENDMENTS TO BYLAWS OF THE BOARD OF TRUSTEES
AND RULES OF THE UNIVERSITY FACULTY (contd)**

WHEREAS the responsibility of the vice president for university development has been assigned to the vice president for university communications and development resulting in paragraph (P) of bylaw 3335-1-03 of the Administrative Code and rule 3335-3-151 of the Administrative Code being deleted; and

WHEREAS the office of the vice president for business and administration and vice president for finance and planning are realigned to form one office designated as vice president for business and finance with the resulting deletion of paragraph (O) of bylaw 3335-1-03 and rule 3335-3-15 of the Administrative Code; and

WHEREAS the president has recommended that a new position of university fiscal officer be established, said official to report to the vice president for business and finance concerning day-to-day operations and to the president on university financial matters; and

WHEREAS pursuant to rule 3335-1-09 of the Administrative Code and upon the recommendation of the president, the following rule changes are proposed:

BYLAW

3335-1-03 Administration of the university.

(E) The president's staff.

(1) The president's staff shall consist of the president; the provost; the vice president for business and finance; the vice president for student services; the vice president for health sciences; the vice president for regional campuses; the vice president for educational services; the vice president for public affairs; the vice president for personnel services; the vice president for agricultural administration and executive dean for agriculture, home economics, and natural resources; the vice president for university communications and development; and special assistants.

(H) Vice president for business and finance. The major area of responsibility and authority of the vice president for business and finance shall be that of the administration of the university operations. Without limiting the generality of the foregoing, the vice president for business and finance shall, under the direction of the president and with the approval of the board of trustees, be responsible and have the requisite authority for: the conduct and evaluation of all business and administrative activities and procedures, including management improvement programs; internal auditing; contracts administration; business management; the development, allocation, utilization, and maintenance of the physical facilities; traffic and parking; the administration of the office of public safety; university systems; and the coordination of all matters administratively assigned to the other vice presidents which relate to the business and administrative areas of the university.

June 10, 1982 meeting, Board of Trustees

**RESTRUCTURING OF THE UNIVERSITY ADMINISTRATION-
AMENDMENTS TO BYLAWS OF THE BOARD OF TRUSTEES
AND RULES OF THE UNIVERSITY FACULTY (contd)**

AMENDED RULES

3335-3-05 President's staff.*

- (A) The president's staff shall consist of the president; the provost; the vice president for business and finance; the vice president for student services; the vice president for health sciences; the vice president for regional campuses; the vice president for educational services; the vice president for public affairs; the vice president for personnel services; the vice president for agricultural administration and executive dean for agriculture, home economics, and natural resources; the vice president for university communications and development; and special assistants.

3335-3-08 Vice president for business and finance.*

- (A) The vice president for business and finance shall be the executive head of the office of business and finance.
- (B) The major area of responsibility and authority of the vice president for business and finance shall be that of the administration of the university operations. Without limiting the generality of the foregoing, the vice president for business and finance shall, under the direction of the president and with the approval of the board of trustees, be responsible and have the requisite authority for: the conduct and evaluation of all business and administrative activities and procedures, including management improvement programs; internal auditing; contracts administration; business management; the development, allocation, utilization, and maintenance of the physical facilities; traffic and parking; the administration of the office of public safety; university systems; and the coordination of all matters administratively assigned to the other vice presidents which relate to the business and administrative areas of the university.
- (C) The principal administrative officials of the office of business and finance shall include the associate vice president, physical facilities; assistant vice president, administration; university fiscal officer; director, public safety; assistant vice president, business management; director, university systems; contracts officer; and such other associates as may be authorized from time to time. (B/T 10/5/73, B/T 9/5/75, B/T 4/6/79, B/T 6/10/82)

NEW RULE

3335-3-173 University fiscal officer.*

- (A) There shall be a university fiscal officer in the office of business and finance.

*Rule initiated by board of trustees.

June 10, 1982 meeting, Board of Trustees

**RESTRUCTURING OF THE UNIVERSITY ADMINISTRATION--
AMENDMENTS TO BYLAWS OF THE BOARD OF TRUSTEES
AND RULES OF THE UNIVERSITY FACULTY (contd)**

3335-3-173 University fiscal officer.* (contd)

- (B) The authority of the university fiscal officer shall be that of the administration of university finances, including planning and resource allocation. Without limiting the generality of the foregoing, the university fiscal officer shall, under the direction of the president and with the approval of the board of trustees, be responsible and have the requisite authority for: formulation, review and monitoring of capital and current funds budgets; office of the university treasurer; financial accounting, including the office of the controller; long-range resources analysis and planning, including cost implications of proposed programs; indirect cost analysis and recovery; equipment inventory; projections of enrollments and all factors bearing on future resource requirements and availabilities in the context of the mission and goals of the university.
- (C) The principal administrative officials in the office of fiscal affairs shall be the university treasurer, the assistant vice president of campus planning and space utilization, the director of planning studies, the executive director of university budget, the controller, the director of special projects, and such other associates as may be authorized from time to time. (B/T 6/10/82)

*Rule initiated by board of trustees.

NOW THEREFORE

BE IT RESOLVED, That the foregoing changes in the bylaws and rules as they are printed herein be adopted.

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

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DOCTOR OF PHILOSOPHY PROGRAM IN CITY AND REGIONAL PLANNING

Resolution No. 82-118

Synopsis: Authorization to initiate a program leading to a Doctor of Philosophy in City and Regional Planning degree is proposed.

WHEREAS the Department of City and Regional Planning has requested approval to offer a new post-master's degree, Doctor of Philosophy in City and Regional Planning; and

WHEREAS the Doctor of Philosophy in City and Regional Planning will provide an academic research curriculum not presently available in the master's program offered by the Department of City and Regional Planning; and

June 10, 1982 meeting, Board of Trustees

DOCTOR OF PHILOSOPHY PROGRAM IN CITY AND REGIONAL PLANNING (contd)

WHEREAS the Doctor of Philosophy in City and Regional Planning is offered in many other universities and colleges, and it is a required degree in academic and research institutions; and

WHEREAS faculty in the Department of City and Regional Planning show a strong commitment to research, an excellent record in research grants, that supports intellectually the new program; and

WHEREAS existing faculty--plus one addition within the first three years of the new program--and other resources currently existing in the department will be used to support the new program; and

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

NOW THEREFORE

BE IT RESOLVED, That the Board of Trustees adopt the foregoing resolution as approved and recommended by the University Senate and that this degree proposal be forwarded to the Board of Regents pursuant to section 3333.04 (N) of the Revised Code.

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

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PERSONNEL ACTIONS

Resolution No. 82-119

Synopsis: In addition to the regular personnel actions taken since the last meeting, the following Retirement, Appointments, Reappointment of Principal Administrative Official, Appointment of New Chairmen of Departments and Division, Reappointment of Chairmen of Departments and Division, Leaves of Absence Without Salary, Professional Improvement Leaves, Promotions/Tenure, and Emeritus Titles are recommended for approval.

RESOLVED, That the personnel actions as recorded in the Personnel Budget Records of the University since the May 7, 1982 meeting of the Board, including the following Retirement, Appointments, Reappointment of Principal Administrative Official, Appointment of New Chairmen of Departments and Division, Reappointment of Chairmen of Departments and Division, Leaves of Absence Without Salary, Professional Improvement Leaves, Promotions/ Tenure, and Emeritus Titles as detailed in the University Budget, be approved.

Retirement

ROY M. KOTTMAN will retire as Vice President for Agricultural Administration and Executive Dean for Agriculture, Home Economics, and Natural Resources, effective June 30, 1982.

June 10, 1982 meeting, Board of Trustees

PERSONNEL ACTIONS (contd)

Retirement: (contd)

President Jennings:

Roy I think is deserving of recognition--there in his outstanding role of 22 years as one of the major forces at Ohio State University, and for that, Roy, we thank you very much.

Appointments

Name: RICHARD D. JACKSON
Title: Vice President for Business and Finance
Office: Business and Finance
Effective: Immediately
Salary: N/A
Present Position: Vice President for Business and Administration

Name: WELDON E. IHRIG
Title: University Fiscal Officer
Office: Business and Finance
Effective: Immediately
Salary: N/A
Present Position: Acting Vice President, Office of Finance and Planning

Reappointment of Principal Administrative Official

COLIN B. BULL, Dean of the College of Mathematical and Physical Sciences, effective July 1, 1982 through June 30, 1987, pursuant to rule 3335-3-17 of the Administrative Code.

Appointment of New Chairmen of Departments and Division

July 1, 1982 through June 30, 1986

Aviation	G. Stacy Weislogel
Ceramic Engineering	Dennis W. Readey
Industrial and Systems Engineering	George L. Smith, Jr.
Photography and Cinema	Willie F. Longshore

July 1, 1982 through June 30, 1984

Pharmacy Practice	Richard H. Reuning
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October 1, 1982 through June 30, 1986

Romance Languages and Literatures	Ronald C. Rosbottom
Sociology	Saad Nagi

June 10, 1982 meeting, Board of Trustees

PERSONNEL ACTIONS (contd)

Appointment of New Chairmen of Departments and Division (contd)

October 1, 1982 through June 30, 1983

Astronomy

*William M. Protheroe

Reappointment of Chairmen of Departments and Division

July 1, 1982 through June 30, 1986

Engineering Mechanics

Sunder H. Advani

July 1, 1982 through June 30, 1985

Administrative and Social Sciences

Dev S. Pathak

October 1, 1983 through June 30, 1987

Astronomy

Eugene R. Capriotti

*Acting chairman.

Leaves of Absence Without Salary

JILL C. D. S. YAQUB, Professor, Department of Mathematics, effective January 1, 1983 through June 30, 1983, to work on her book, *Finite Geometrics*, and continue her collaborative research work with colleagues at Westfield College, London.

HENRY H. GLOVER, Associate Professor, Department of Mathematics, effective October 1, 1982 through June 30, 1983, to teach at the University of British Columbia.

ROBERT KRAUT, Associate Professor, Department of Philosophy, effective October 1, 1982 through March 31, 1983, to accept a visiting teaching position at the University of Pittsburgh.

NEIL F. FALKNER, Assistant Professor, Department of Mathematics, effective October 1, 1982 through June 30, 1983, to accept a visiting assistant professorship at Stanford University.

SHIGERU MIYAGAWA, Assistant Professor, Department of East Asian Languages and Literatures, effective October 1, 1982 through June 30, 1983, to accept a one-year research fellowship from the National Institute of Mental Health to spend a year conducting research at Massachusetts Institute of Technology.

ANTHONY B. SANDERS, Assistant Professor, Academic Faculty of Finance, effective October 1, 1982 through June 30, 1983, to accept a visiting professor appointment in finance and real estate at the University of Texas - Austin.

June 10, 1982 meeting, Board of Trustees

PERSONNEL ACTIONS (contd)

Professional Improvement Leaves

ALFRED G. BISHARA, Professor, Department of Civil Engineering, effective Winter Quarter 1983 and Spring Quarter 1983.

F. JOE CROSSWHITE, Professor, Academic Faculty of Science and Mathematics Education, effective Winter Quarter 1983, Spring Quarter 1983, and Summer Quarter 1983.

CHRISTIE J. GEANKOPLIS, Professor, Department of Chemical Engineering, effective Winter Quarter 1983 and Spring Quarter 1983.

TIEN-YI LI, Professor, Department of East Asian Languages and Literatures, effective Autumn Quarter 1983, Winter Quarter 1984, and Spring Quarter 1984.

ERNEST H. LOCKRIDGE, Professor, Department of English, effective Autumn Quarter 1983, Winter Quarter 1984, and Spring Quarter 1984.

KAMRAN MAJIDZADEH, Professor, Department of Civil Engineering, effective Autumn Quarter 1982, Winter Quarter 1983, and Spring Quarter 1983.

ANDREW G. OLDENQUIST, Professor, Department of Philosophy, effective Autumn Quarter 1983, Winter Quarter 1984, and Spring Quarter 1984.

GEORGE S. PAPPAS, Professor, Department of Philosophy, effective Autumn Quarter 1983, Winter Quarter 1984, and Spring Quarter 1984.

D. K. RAY-CHAUDHURI, Professor, Department of Mathematics, effective Autumn Quarter 1983, Winter Quarter 1984, and Spring Quarter 1984.

RONALD C. ROSBOTTOM, Professor, Department of Romance Languages and Literatures, effective Autumn Quarter 1983 and Winter Quarter 1984.

ROLF H. SOELLNER, Professor, Department of English, effective Autumn Quarter 1983, Winter Quarter 1984, and Spring Quarter 1984.

HERBERT F. WEISBERG, Professor, Department of Political Science, effective Spring Quarter 1983, Summer Quarter 1983, and Autumn Quarter 1983.

DANIEL R. BARNES, Associate Professor, Department of English, effective Autumn Quarter 1983 and Winter Quarter 1984.

CARL C. SCHLAM, Associate Professor, Department of Classics, effective Autumn Quarter 1983, Winter Quarter 1984, and Spring Quarter 1984.

RONALD M. SOLOMON, Associate Professor, Department of Mathematics, effective Winter Quarter 1983, Spring Quarter 1983, and Autumn Quarter 1983.

June 10, 1982 meeting, Board of Trustees

PERSONNEL ACTIONS (contd)

Professional Improvement Leaves (contd)

MARILYN ROBINSON WALDMAN, Associate Professor, Department of History and Chairperson, Division of Comparative Studies in the Humanities, effective Autumn Quarter 1983, Winter Quarter 1984, and Spring Quarter 1984.

CHRISTIAN K. ZACHER, Associate Professor, Department of English, effective Autumn Quarter 1983, Winter Quarter 1984, and Spring Quarter 1984.

Emeritus Titles

ROY M. KOTTMAN, College of Agriculture and Home Economics, with the title Vice President for Agricultural Administration and Executive Dean Emeritus, effective July 1, 1982.

RICHARD D. ALTICK, Department of English, with the title Regents Professor Emeritus, effective July 1, 1982.

FRANKLIN H. BECK, Department of Metallurgical Engineering, with the title Professor Emeritus, effective July 1, 1982.

SIDNEY CHAFETZ, Department of Art, with the title Professor Emeritus, effective July 1, 1982.

LEE S. COX, Department of English, with the title Professor Emeritus, effective July 1, 1982.

CARL L. MARSHALL, Department of English, with the title Professor Emeritus, effective July 1, 1982.

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

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REPORT OF RESEARCH CONTRACTS, GRANTS, AND GIFTS

Resolution No. 82-120

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

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

June 10, 1982 meeting, Board of Trustees

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

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

NOW THEREFORE

BE IT RESOLVED, That the research agreements between The Ohio State University and The Ohio State University Research Foundation for the contracts and grants reported herein, and the acceptance of the reports from the Engineering Experiment Station, the Ohio Agricultural Research and Development Center, and The Ohio State University Development Fund during the month of April 1982 be approved.

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

SUMMARY FOR APRIL 1982

Source	No. of Projects	Support Level
The Ohio State University Research Foundation	56	\$4,307,030.88
Engineering Experiment Station	52	324,956.00
Ohio Agricultural Research and Development Center	7	375,269.00
		\$5,007,255.88
The Ohio State University Development Fund		
Establishment of Named Funds		
The Roy M. Kottman Scholars Program (College of Agriculture and Home Economics)		\$ 25,000.00
The John H. Moore Memorial Loan Fund (OSU Marion Campus)		\$ 10,000.00
The Richard Stow Research & Lectureship Fund (College of Medicine)		\$ 10,000.00
The Dr. Vincent Cranston Ward Memorial Scholarship Fund (College of Medicine)		\$ 10,000.00

June 10, 1982 meeting, Board of Trustees

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

SUMMARY FOR APRIL 1982 (contd)

The Ohio State University Development Fund (contd)

Establishment of Named Funds (contd)

The David Z. Saylor Memorial Award (College of Medicine)	\$ 6,510.00
Allan C. Barnes Endowment Fund (College of Medicine)	\$ 5,000.00
The William Ray Fleisher Professorship in Educational Administration Fund (College of Education)	\$ 5,000.00
The Adelaide "Babs" McNamara Memorial Fund (College of Law)	\$ 4,000.00

Change in Name and Description of Named Fund

From: The Newton D. Baker Memorial Scholarship Fund
To: The Newton D. Baker Memorial Fund

Report from Presidents Club

Members to date	4,539
1982 members: year to date	53
New members - April 1982	14

New Presidents Club Members - April 1982

C. Andrew Bush	Steven J. Springer
Christopher A. Bush	Carol R. Springer (Mrs. Steven J.)
John F. Howes	Leon I. Twarog
Edmund M. Kagay	Esther R. Yarrington
Jennifer Kilman	David W. Zehnder
Brett P. Gundlach	Jeffrey S. Zehnder
Howard Polster	Michael R. Zetz

June 10, 1982 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION

Federal Research Contracts/Grants

\$698,430.00 - Department of Education, Office of Educational Research and Improvements, Washington, D. C., Research Program on Employability, The National Center for Research in Vocational Education (R. E. Taylor), 1 April 1982 through 30 November 1982. (Project 762530 - Continuation)

\$201,002.00 - Environmental Protection Agency, Washington, D. C., Evaluation of a Short-Term *in Vivo* System for Risk Assessment of Environmental Chemicals, Department of Pharmacology (D. Couri), 1 April 1982 through 31 March 1983. (Project 762125 - Continuation)

\$192,867.00 - Department of Education, Office of Libraries and Learning Technologies, Washington, D. C., Utilization of Technology in the Development of Basic Skills Instruction (Mathematics), Academic Faculty of Early and Middle Childhood Education (M. L. Languis and S. Damarin) and Academic Faculty of Science and Mathematics Education (R. J. Shumway), 1 April 1982 through 30 September 1983. (Project 762431 - Continuation)

\$126,600.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Division of Research Resources, Bethesda, Maryland, Biomedical Research Support Grant, College of Medicine - Administration (M. Tzagournis), 1 April 1982 through 31 March 1983. (Project 761078 - Continuation)

\$125,000.00 - Department of Labor, Employment and Training Administration, Washington, D. C., National Longitudinal Studies of Labor Force Behavior, Academic Faculty of Labor and Human Resources, Center for Human Resource Research (M. E. Borus), 1 October 1981 through 30 September 1982. (Project 760081 - Continuation)

\$110,388.88 - Department of the Interior, Office of Water Research and Technology, Washington, D. C., Water Resources Center Annual Cooperative Program (FY 82), Engineering Experiment Station (R. C. Stiefel), Department of Zoology (T. M. Cavender and D. A. Culver), Department of Agronomy (J. M. Bigham) and Department of Chemical Engineering (L. S. Fan), 1 October 1981 through 30 September 1982. (Project 763046 - Continuation)

\$109,522.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, Synthesis of Biologically Important Carbohydrates, Department of Chemistry (D. Horton), 1 April 1982 through 31 March 1983. (Project 760025 - Continuation)

June 10, 1982 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

\$92,431.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Arthritis, Diabetes, Digestive and Kidney Diseases, Bethesda, Maryland, Cellular PD and Ion Activities in Renal Proximal Tubules, Department of Physiology (B. A. Biagi), 1 April 1982 through 31 March 1983. (Project 763050 - New)

\$90,139.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Arthritis, Diabetes, Digestive and Kidney Diseases, Bethesda, Maryland, Unsaturated Fatty Acids, Prostaglandins and Diabetes, Department of Physiological Chemistry (H. W. Sprecher), 1 April 1982 through 31 March 1983. (Project 760745 - Continuation)

\$88,000.00 - National Science Foundation, Washington, D. C., Conducting Polymers: Magnetic, Optical and Transport Studies, Department of Physics (D. B. Tanner), 1 February 1982 through 31 January 1983. (Project 762830 - Continuation)

\$86,800.00 - Department of Energy, Argonne, Illinois, Fundamental Studies of High-Temperature Corrosion Reactions, Department of Metallurgical Engineering (R. A. Rapp), 1 May 1982 through 30 April 1983. (Project 761619 - Continuation)

\$83,443.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, Post-Transcriptional Control in Eukaryotic Cells, Department of Physiological Chemistry (T. E. Webb and D. E. Schumm), 1 April 1982 through 31 March 1983. (Project 760063 - Continuation)

\$81,777.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Heart, Lung and Blood Institute, Bethesda, Maryland, Open Loop Forcing of Chest Volume and CO₂ Concentration, Department of Physiology (A. L. Kunz), 1 April 1982 through 31 March 1983. (Project 761572 - Continuation)

\$81,157.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Biotransformation of m-AMSA and Related Analogues, College of Pharmacy (L. Malspeis), 1 April 1982 through 31 March 1983. (Project 762091 - Continuation)

\$80,000.00 - National Science Foundation, Washington, D. C., Syntheses and Studies of Selected Metal Carbonyl and Metalloborane Cluster Systems, Department of Chemistry (S. G. Shore), 1 September 1982 through 31 August 1983. (Project 761767 - Continuation)

June 10, 1982 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

\$78,000.00 - National Science Foundation, Washington, D. C., Totally Synthetic Heme Protein Models, Department of Chemistry (D. H. Busch), 1 August 1982 through 31 July 1983. (Project 762803 - Continuation)

\$73,758.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, *In Vivo* Release of Transformed Cell-Specific Proteins, Department of Physiological Chemistry and Cancer Research Center (T. E. Webb) and Department of Physiological Chemistry (D. E. Schumm), 1 June 1982 through 31 May 1983. (Project 763071 - New)

\$71,559.00 - Department of Energy, Argonne, Illinois, Chemoradiotherapy of Cancer Using Boronated Monoclonal Antibodies, College of Pharmacy (A. H. Soloway) and Department of Pathology (R. F. Barth), 1 April 1982 through 31 March 1983. (Project 763051 - New)

\$69,762.00 - National Aeronautics and Space Administration Headquarters, Contracts and Grants Division, Washington, D. C., Theoretical Studies of the Surface Tension of Liquid Metal Systems, Department of Physics (D. G. Stroud), 1 March 1982 through 28 February 1984. (Project 763043 - New)

\$69,173.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Cancer Institute, Bethesda, Maryland, Synthesis Studies in Anthracycline Chemistry, Department of Chemistry (J. S. Swenton), 1 April 1982 through 31 March 1983. (Project 761021 - Continuation)

\$69,085.00 - National Science Foundation, Washington, D. C., Diffractive Spectro-electrochemistry, Department of Chemistry (R. L. McCreery), 1 April 1982 through 31 March 1983. (Project 763063 - Continuation)

\$63,406.00 - National Science Foundation, Washington, D. C., Knowledge Organization and Problem Solving for Diagnostic Tasks, Department of Computer and Information Science (B. Chandrasekaran), 1 May 1982 through 30 April 1983. (Project 762640 - Continuation)

\$63,132.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Child Health and Human Development, Bethesda, Maryland, Pharmacology of Novel Antiabortion Agents, College of Pharmacy (R. G. Rahwan), 1 April 1982 through 31 March 1983. (Project 762609 - Continuation)

\$59,013.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of General Medical Sciences, Bethesda, Maryland, Synthesis of Biologically Active Alkaloids, Department of Chemistry (D. J. Hart), 1 April 1982 through 31 March 1983. (Project 762083 - Continuation)

June 10, 1982 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

\$57,555.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Arthritis, Diabetes, Digestive and Kidney Diseases, Bethesda, Maryland, Effects of Dietary Change on Lipid Biosynthesis, Department of Physiological Chemistry (H. W. Sprecher), 1 May 1982 through 30 April 1983. (Project 764415 - Continuation)

\$56,000.00 - Department of Energy, Oak Ridge Operations, Oak Ridge, Tennessee, Energy Graduate Traineeship Program - 1982, Department of Mechanical Engineering (J. E. A. John), 15 April 1982 through 30 September 1984. (Project 763068 - New)

\$50,000.00 - Department of the Air Force, Aeronautical Systems Division, Wright Patterson Air Force Base, Ohio, Transition-Region Heat Transfer and Rough Surface Effects on Turbo-Machine Flow Problems, Department of Mechanical Engineering (L. S. Han), 29 March 1982 through 30 September 1982. (Project 763057 - New)

\$44,243.00 - National Aeronautics and Space Administration, Goddard Space Flight Center, Greenbelt, Maryland, Improvement of Knowledge Regarding Earth's Gravity Field from Terrestrial and Satellite Data, Department of Geodetic Science and Surveying (R. H. Rapp), 1 April 1982 through 31 March 1983. (Project 760056 - Continuation)

\$38,233.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, National Institute of Neurological and Communicative Disorders and Stroke, Bethesda, Maryland, Survival Factors (Nodes, Histology), E-B Virus-Nasopharyngeal Carcinoma, Department of Otolaryngology (D. E. Schuller), 1 April 1982 through 31 March 1983. (Project 761591 - Continuation)

\$35,962.00 - Department of Energy, Lawrence Berkeley Laboratory, University of California, Berkeley, California, Thermodynamic Framework for Estimating the Efficiencies of Alkaline Batteries, Department of Metallurgical Engineering (D. D. Macdonald), 1 March 1982 through 31 March 1983. (Project 762132 - Continuation)

\$35,600.00 - National Science Foundation, Washington, D. C., Spectroscopic Studies of Active Galaxies and Quasi-Stellar Objects, Department of Astronomy (B. M. Peterson), 1 April 1982 through 31 March 1983. (Project 763049 - Continuation)

June 10, 1982 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

Federal Research Contracts/Grants (contd)

\$31,494.00 - Department of Health and Human Services, Public Health Service, National Institutes of Health, Division of Research Resources, Bethesda, Maryland, Biomedical Research Support Grant, College of Veterinary Medicine - Administration (R. A. Wright), 1 April 1982 through 31 March 1983. (Project 762776 - Continuation)

\$29,100.00 - National Science Foundation, Washington, D. C., Arithmetic Theory of Integral Quadratic Forms, Department of Mathematics (J. S. Hsia), 1 July 1982 through 30 June 1984. (Project 763059 - Continuation)

\$28,500.00 - Department of the Navy, Naval Ocean Systems Center, San Diego, California, Formulate Quasi-Optical Techniques for Antennas at UHF, Department of Electrical Engineering, ElectroScience Laboratory (C. H. Walter, R. J. Marhefka, and R. C. Rudduck), 1 April 1982 through 31 July 1982. (Project 761784 - Continuation)

\$20,450.00 - National Science Foundation, Washington, D. C., Harmonic Analysis, Invariant Means, Random Walks and Phase Retrieval (Mathematics), Department of Mathematics (J. M. Rosenblatt), 1 July 1982 through 30 June 1984. (Project 762290 - Continuation)

\$13,830.00 - National Science Foundation, Washington, D. C., Monographic Study of the Genus *Coreopsis* (Compositae), Department of Botany (D. J. Crawford), 1 May 1983 through 30 April 1984. (Project 763060 - New)

\$12,713.00 - National Science Foundation, Washington, D. C., Unitary Group Methods for the Electron Correlation Problem, Department of Chemistry (I. Shavitt), 15 April 1982 through 31 October 1982. (Project 763056 - New)

\$4,782.00 - Department of Labor, Employment and Training Administration, Washington, D. C., The Conduct of a Conceptual Analysis of the Occupational Outlook Handbook, The National Center for Research in Vocational Education (R. E. Taylor), 1 March 1982 through 30 April 1982. (Project 763067 - New)

TOTAL - FEDERAL RESEARCH CONTRACTS/GRANTS **\$3,322,906.88**

State of Ohio Research Contracts/Grants

\$175,026.00 - State of Ohio, Department of Education, Division of Vocational Education, Ohio Occupational Information Coordinating Committee, Columbus, Ohio, The Occupational Employment Statistics Survey Program in Ohio for Non-Manufacturing (Primarily Trade), 1982, Academic Faculty of Labor and Human Resources (S. C. Kelley, H. R. Blaine, and M. Sandver), 1 March 1982 through 31 August 1983. (Project 763055 - Continuation)

June 10, 1982 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION (contd)

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

\$30,874.00 - Battelle Memorial Institute, Battelle Columbus Laboratories, Columbus, Ohio, Relation Between Microstructure and Fracture Toughness in a High Toughness, Complex, Low Alloy Steel, Department of Metallurgical Engineering (J. P. Hirth), 1 January 1982 through 31 December 1982. (Project 763047 - New)

\$30,000.00 - Illuminating Engineering Research Institute, New York, New York, Studies of Task Visibility and Worker Productivity Under Selected Light Sources Having Restricted Spectral Distributions, Department of Microbiology (H. R. Blackwell), 22 January 1982 through 31 August 1982. (Project 763072 - New)

\$20,000.00 - Transamerica Delaval, Inc., Trenton, New Jersey, Electrochemical Reactivity and Stress Corrosion Cracking of Turbine Disc Alloys, Department of Metallurgical Engineering (D. D. Macdonald), 1 January 1982 through 30 June 1982. (Project 761965 - Continuation)

\$11,970.00 - American Academy of Physician Assistants, Arlington, Virginia, Physician Assistant Self-Assessment, Academic Faculty of Educational Foundations and Research (A. D'Costa), 1 May 1982 through 30 June 1982. (Project 763054 - Continuation)

\$9,496.00 - Ministry of Education, Kuala Lumpur, Malaysia, Malaysian Staff Training Program III, The National Center for Research in Vocational Education (R. E. Taylor), 5 April 1982 through 30 April 1982. (Project 763061 - New)

\$3,041.00 - Westinghouse Electric Electronics and Services, Ltd., County Clare, Ireland, Vocational Training Component Subcontract (World Bank/MOI Egypt), The National Center for Research in Vocational Education (R. E. Taylor), 1 November 1982 through 30 April 1983. (Project 762480 - Continuation)

\$2,500.00 - United Nations Industrial Development Organization, Vienna, Austria, Establishing a Training Information Delivery System for Developing Countries, The National Center for Research in Vocational Education (R. E. Taylor), 1 October 1981 through 30 November 1981. (Project 763064 - New)

\$1,515.00 - State of Iowa, Department of Public Information, Des Moines, Iowa, Technical Planning Assistance to the Iowa Department of Public Instruction, The National Center for Research in Vocational Education (R. E. Taylor). 1 April 1982 through 31 May 1982. (Project 768039 - Continuation)

\$1,000.00 - Ohio Academy of Family Physicians, Columbus, Ohio, An Empirical Assessment of Occupational Stress and Coping in Family Medicine Residency Training, Teaching, and Practice, Department of Family Medicine (D. E. Alexander), 1 January 1982 through 30 November 1982. (Project 763052 - New)

TOTAL - INDUSTRIAL, PRIVATE, AND OTHER NON-FEDERAL RESEARCH CONTRACTS/GRANTS

\$ 780,648.00

June 10, 1982 meeting, Board of Trustees

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

ENGINEERING EXPERIMENT STATION

Industrial and Other Supported Research and Development

\$14,230.00 - Various industries for "Microjoining," Center for Welding Research, for balance of FY82. (EES 529507, Extension 1)

\$12,830.00 - Various industries for "Steel Weldability," Center for Welding Research, for balance of FY82. (EES 529508, Extension 1)

\$297,896.00 - Various industries for 50 development projects under the direction of nine engineering departments and research areas.

TOTAL - INDUSTRIAL AND OTHER SUPPORTED RESEARCH AND DEVELOPMENT \$ 324,956.00

OHIO AGRICULTURAL RESEARCH AND DEVELOPMENT CENTER

Federal and State Contracts/Grants

\$211,360.00 - Environmental Protection Agency, Washington, D. C., continued support of a study on factors affecting composting of municipal sludge in a bioreactor, Department of Plant Pathology, to October 21, 1982. (Contract No. CR-807791-01-1, Amendment No. 1)

\$45,000.00 - Agency for International Development, Agricultural/Nutrition Branch, Washington, D. C., support of Second International Maize Virus Disease Colloquium and Workshop, Departments of Entomology and Plant Pathology, January 1, 1982 to December 31, 1983. (Contract No. DAN-1406-G-SS-2006-00)

\$38,000.00 - State of Ohio, Department of Energy, Columbus, Ohio, support of a study on energy management in commercial greenhouses with a portable polystyrene pellet system, Department of Agricultural Engineering, May 1, 1982 to February 28, 1983. (Contract No. 82-81)

\$35,000.00 - Agricultural Research Service, Peoria, Illinois, support of a study on corn yields as affected by seasonal and long-term cropping history differences in soil structural and surface residue conditions, Department of Agronomy, April 15, 1982 to April 1, 1984. (Agreement No. 58-519B-2-1132)

\$13,159.00 - Grants Administrative Management Office, Science and Education Administration, U. S. Department of Agriculture, Arlington, Virginia, continued support of the Ohio Program for the National Pesticide Impact Assessment Program, to September 30, 1984. (Agreement No. 80-CSRS-2-0517)

TOTAL - FEDERAL AND STATE CONTRACTS/GRANTS \$ 342,519.00

June 10, 1982 meeting, Board of Trustees

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

OHIO AGRICULTURAL RESEARCH AND DEVELOPMENT CENTER (contd)

Industrial or Other Contract/Grant

\$8,250.00 - Robinson Hybrids, Inc., Delaware, Ohio, continued support of a study on early corn inbred development, Department of Agronomy, January 1 to December 31, 1982.

Gift of \$5,000 or More

\$24,500.00 - City of Wooster, Wooster, Ohio.

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND

Gifts of \$5,000 or More

\$30,000.00 Columbia Gas, Charleston, West Virginia--\$26,000.00 for Biological Environmental Research Fund and \$4,000.00 for Neotoma Research Fund.

\$25,000.00 Kaplan Halpert Foundation, Inc., Columbus, Ohio, for Jack M. George Fund.

\$23,540.00 Nationwide Insurance, Columbus, Ohio--\$10,000.00 for Cooperative Business Policy Fund; \$7,500.00 for Student Athlete Grant-in-Aid Fund; and \$6,040.00 for WOSU Support Fund.

\$22,094.00 C. F. High Foundation, Bucyrus, Ohio, for Charles F. High Foundation Scholarship Fund.

\$21,400.00 The Columbus Foundation, Columbus, Ohio, for The Joseph S. Platt-Porter, Wright, Morris & Arthur Professorship in Law Fund.

\$20,040.00 Battelle Memorial Institute, Columbus, Ohio, for WOSU Support Fund.

\$20,000.00 Bremer Foundation, Youngstown, Ohio, for Bremer Foundation Fund.

\$17,000.00 Gund Foundation, Cleveland, Ohio, for Extension Cuyahoga Fund.

\$15,293.86 Retinal Consultants, Columbus, Ohio--\$12,993.04 for Retina Research Fund and \$2,300.82 for Ophthalmology Photography Fund.

\$15,141.00 SmithKline Corporation, Philadelphia, Pennsylvania--\$9,586.00 for Visconti SmithKline Fund; \$5,500.00 for SmithKline Veterinary Fellowship Fund; and \$55.00 for undesignated purposes.

June 10, 1982 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

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

- \$15,000.00 Agronomic Research Foundation, Inc., Atlanta, Georgia, for Potash and Phosphate Fund.
- \$13,227.29 University Eye Surgeons, Inc., Columbus, Ohio--\$13,109.29 for Eye Bank Fund and \$118.00 for Ophthalmology Photography Fund.
- \$13,225.00 Grace High Washburn Trust, Bucyrus, Ohio, for Grace High Washburn Scholarship Fund.
- \$12,620.00 Adria Laboratories, Columbus, Ohio--\$12,500.00 for Cardiovascular Research Fund; \$70.00 for Friends of WOSU; and \$50.00 for M. S. Newman Professorship.
- \$12,000.00 Glass Packing Institute, Washington, D. C., for Engineering Mechanics Discretionary Fund.
- \$11,000.00 Dow Chemical USA, Midland, Michigan--\$8,000.00 for Dow Chemical Fellowship and \$3,000.00 for Dow Research Fellowship.
- \$11,000.00 F. & R. Lazarus & Co., Columbus, Ohio--\$7,000.00 for Student Athlete Grant-in-Aid Fund and \$4,000.00 for WOSU Support Fund.
- \$10,881.00 National Action Minority in Engineering, Inc., New York, New York, for Affirmative Action Fund.
- \$10,120.00 Atlantic Richfield Foundation, Los Angeles, California--\$10,000.00 for Chemical Engineering Campaign; \$100.00 for Chemical Engineering Support Fund; and \$20.00 for undesignated purposes.
- \$10,050.00 The E. F. Wildermuth Foundation, Columbus, Ohio, for Wildermuth Memorial Scholarship.
- \$10,000.00 Mid-Ohio Auto, Columbus, Ohio, for Student Athlete Grant-in-Aid Fund.
- \$10,000.00 Reinberger Foundation, Cleveland, Ohio, for The Joseph S. Platt-Porter, Wright, Morris & Arthur Professorship in Law Fund.
- \$10,000.00 Mrs. Ann Shagrin, Youngstown, Ohio, for Drs. M. H. and M. E. Speck Fund.
- \$10,000.00 Union Oil of California, Los Angeles, California, for Chemical Engineering Campaign.

June 10, 1982 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

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

- \$ 9,394.35 Marianne Kaelbling, Columbus, Ohio, for Kaelbling Memorial Fund.
- \$ 8,000.00 Procter and Gamble Company, Cincinnati, Ohio, for Procter and Gamble Company Fund.
- \$ 7,500.00 Hoffmann-LaRoche Foundation, Nutley, New Jersey, for Endocrine-Tumor Research Fund.
- \$ 7,000.00 Dresser Industries, Inc., Dallas, Texas, for Student Athlete Grant-in-Aid Fund.
- \$ 7,000.00 Eli Lilly and Company, Indianapolis, Indiana, for Eli Lilly Organic Chemistry Fund.
- \$ 6,500.00 Shell Development, Houston, Texas, for Mechanical Engineering Coal Combustion Fund.
- \$ 5,810.00 John Blaisdell, Columbus, Ohio, for Food Science and Nutrition Fund.
- \$ 5,200.00 Conoco, Inc., Houston, Texas--\$5,000.00 for Mechanical Engineering Coal Combustion Fund and \$200.00 for undesignated purposes.
- \$ 5,100.00 Bank One of Columbus, Columbus, Ohio--\$4,000.00 for Student Athlete Grant-in-Aid Fund; \$1,000.00 for Medicine Seminar; and \$100.00 for special projects.
- \$ 5,031.00 Antique Show and Sale, Columbus, Ohio, for Presidents Club Special Fund.
- \$ 5,000.00 Beasley Industries, Inc., Columbus, Ohio, for Student Athlete Grant-in-Aid Fund.
- \$ 5,000.00 Northrop Corporation, Los Angeles, California, for Aeronautical and Astronautical Engineering Fund.
- \$ 5,000.00 Ohio Farm Bureau, Columbus, Ohio--\$2,500.00 for Cooperative Business Policy Fund and \$2,500.00 for Kottman Scholars Fund.
- \$ 5,000.00 Systems Total Communication, New Kensington, Pennsylvania, for OSU Scholarship Fund.

June 10, 1982 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

Establishment of Named Funds

The Roy M. Kottman Scholars Program

The Roy M. Kottman Scholars Program was established June 10, 1982, by the Board of Trustees of The Ohio State University with gifts from alumni, friends, and colleagues of Roy M. Kottman, Vice President for Agricultural Administration and Executive Dean for Agriculture, Home Economics and Natural Resources.

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

The annual income will be used to support undergraduate scholarship(s) for students enrolled in education programs administered by or through the College of Agriculture and Home Economics. Scholarships will be awarded by the Office of Student Financial Aids based upon the recommendations of the Roy M. Kottman Scholars Selection Committee. Basis for the awards will encompass high academic achievement, demonstrated leadership, strong communication skills, enthusiasm, and dedication. Financial need will not be a primary consideration.

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

The John H. Moore Memorial Loan Fund

The John H. Moore Memorial Loan Fund was established June 10, 1982, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund from the estate of Ola K. Moore, Marion, Ohio.

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

The annual income is to be used for loans to needy and worthy students at the OSU Marion Campus, preferably those who intend to enter the fields of architecture, engineering or medicine, with architecture as the first preference. The selection of the recipient(s) is to be made in cooperation with the Dean of the OSU Marion Campus.

Should the need for this fund cease to exist or so diminish as to provide unused income, then the income may be used for any purpose whatsoever at the Marion Campus of OSU as determined by the Board of Trustees with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for the education of students in and from the Marion, Ohio, area.

June 10, 1982 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

Establishment of Named Funds (contd)

The Richard Stow Research & Lectureship Fund

The Richard Stow Research & Lectureship Fund was established June 10, 1982, by the Board of Trustees of The Ohio State University with a gift to The Ohio State University Development Fund from Toshihio Tajima, M.D., Miyazaki-ken 881, Japan.

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

The principal and/or the annual income is to be used to provide a resident research award. In addition, an honorarium and travel expenses are to be given to a visiting lecturer. These awards are to be presented at the Richard Stow Awards Banquet which is held yearly.

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

The Dr. Vincent Cranston Ward Memorial Scholarship Fund

The Dr. Vincent Cranston Ward Memorial Scholarship Fund was established June 10, 1982, by the Board of Trustees of The Ohio State University with a gift to The Ohio State University Development Fund from Lawrence B. Leiby, CDR USNR (Ret.), B.A. '40, Geology, in honor and memory of his friend and benefactor, Dr. Vincent Cranston Ward, M.D. '29.

This gift is to be invested in the University's Investment Portfolio under the rules and regulations adopted by the Board of Trustees of The Ohio State University with the right to invest and reinvest as occasion dictates.

Ten percent (10%) of the annual income is to be applied to the principal each year with the remaining ninety percent (90%) of the income used to provide a scholarship, with first preference to a student who is a resident of Wayne County, Ohio, and who is a first-year student in the College of Medicine. Second preference shall be given to a student who resides in Delaware County. Third preference shall be given to a student who resides in Ashland County. The scholarship is renewable for so long as the student maintains the appropriate academic and need criteria.

Should the need for this scholarship cease to exist or so diminish as to provide unused income, then the income shall be used for any purposes whatsoever as determined by the Board of Trustees, with preference being given to assist in research in heart disease and psoriasis.

June 10, 1982 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

Establishment of Named Funds (contd)

The David Z. Saylor Memorial Award

The David Z. Saylor Memorial Award was established June 10, 1982, by the Board of Trustees of The Ohio State University with a gift to The Ohio State University Development Fund by Anne C. and Mark L. Saylor in memory of their son, David Z. Saylor, M.D., who was awarded his degree posthumously June, 1980.

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

The annual income is to be used to provide an award to the senior medical student who exhibits outstanding proficiency in the Cardiovascular Teaching Laboratory. The selection shall be made by the Cardiology Division Director, Department of Internal Medicine, College of Medicine of The Ohio State University.

Should the need for this fund cease to exist or so diminish as to provide unused funds, then the income may be used for any medical purpose whatsoever as determined by the Board of Trustees in conjunction with a representative of the family heirs, who shall jointly decide the distribution of the income and its specific purpose.

Allan C. Barnes Endowment Fund

The Allan C. Barnes Endowment Fund was established June 10, 1982, by the Board of Trustees of The Ohio State University with gifts to The Ohio State University Development Fund by alumni, residents, fellows, and friends from The Ohio State University, Case Western Reserve University, and Johns Hopkins University.

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

The principal and/or income is to be used to support scholarly activities including lectureships in the name of the fund.

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

June 10, 1982 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

Establishment of Named Funds (contd)

The William Ray Flesher Professorship in Educational Administration Fund

The William Ray Flesher Professorship in Educational Administration Fund was established June 10, 1982, by the Board of Trustees of The Ohio State University with a bequest to The Ohio State University Development Fund from Marie Adamson Flesher, M.A. '35, Ph.D. '51, and William Ray Flesher, M.A. '35, Ph.D. '42, of Little Rock, Arkansas. The name of the fund is to be changed to "The William Ray and Marie Adamson Flesher Professorship in Educational Administration" after the demise of Dr. Marie A. Flesher.

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

The annual income is to be used to provide support for the work of a distinguished scholar in the field of educational administration. Appointment to the Flesher Professorship will be recommended by the Dean of the College of Education to the Provost and approved by the Board of Trustees.

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

The Adelaide "Babs" McNamara Memorial Fund

The Adelaide "Babs" McNamara Memorial Fund was established June 10, 1982, by the Board of Trustees of The Ohio State University. The fund is made possible by gifts from the friends and family of Adelaide McNamara, a graduate of the College of Law.

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

The income from this fund is to be used to support programs in the College of Law directed at enhancing the enrollment of, and dealing with the special problems of, female law students. The income may also be used to help with the special problems presented by a law student parent with primary responsibility for the care of a minor child or children. The Dean of the College of Law shall determine how to spend the income to achieve these purposes.

June 10, 1982 meeting, Board of Trustees

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

THE OHIO STATE UNIVERSITY DEVELOPMENT FUND (contd)

Establishment of Named Funds (contd)

The Adelaide "Babs" McNamara Memorial Fund (contd)

Should the need for The Adelaide "Babs" McNamara Memorial Fund cease to exist or so diminish as to provide unused income, the income may be used for any purpose whatsoever as determined by the Board of Trustees with preference being given to recommendations from the appropriate administrative official of the University who is then directly responsible for legal education.

Change in Name and Description of Named Fund

The Newton D. Baker Memorial Fund

The Newton D. Baker Memorial Scholarship Fund was established February 1, 1974, by the Board of Trustees of The Ohio State University with initial gifts from John D. Drinko, LL.B. '44, of the law firm of Baker, Hostetler and Patterson, Cleveland, Ohio, and several of his friends in memory of the firm's founder, Newton D. Baker, who was also a loyal benefactor and Chairman of the Board of Trustees of The Ohio State University.

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

The annual income is to be used to support the Newton D. Baker Designated Professorship of Law. The designated professorship is created to recognize the work of a distinguished scholar and teacher in the College of Law. Appointment to the Newton D. Baker Designated Professorship of Law will be recommended to the Provost by the Dean of the College of Law for approval by the Board of Trustees. If at any time the annual income is greater than that necessary in the opinion of the Dean of the College of Law to support the designated professorship, or if the designated professorship should be vacant, the available income may, in the discretion of the Dean of the College of Law, be added to the principal of the fund, used to award a Newton D. Baker scholarship to one or more students in need of financial aid, or for one or more Newton D. Baker Summer Research Fellowships for faculty members of the College of Law.

A designated professorship will be established initially, and at such time as sufficient funds are made available, the faculty position will be converted to an endowed professorship.

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

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June 10, 1982 meeting, Board of Trustees

PLANS AND SPECIFICATIONS

Resolution No. 82-121

Synopsis: Approval of plans and specifications for the following project is proposed.

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

**WOODRUFF AVENUE - REPAIR AND RESURFACE
FROM NEIL AVENUE TO HIGH STREET**

Project: To repair damaged areas of Woodruff Avenue from Neil Avenue to High Street in preparation for the installation of a 2½" asphalt overlay. This is the final phase of Woodruff Avenue sidewalk, curb, and road repairs.

Funding: 1982-83 Contract Repair (B/A 210134) - Pending approval of the 1982-83 Contract Repair budget.

Estimated Project Cost: \$59,000

NOW THEREFORE

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

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

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

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**REPORT OF AWARD OF CONTRACTS AND
ESTABLISHMENT OF CONTINGENCY FUND**

Resolution No. 82-122

Synopsis: Contracts have been awarded for the project listed below to the lowest and best bidders in accordance with University procedures.

June 10, 1982 meeting, Board of Trustees

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

WHEREAS resolutions adopted by the Board of Trustees at previous meetings authorized the President and/or Vice President for Business and Finance to sign the plans and specifications and, in accordance with established University procedures, to request bids and, if satisfactory bids were received, to recommend to the Department of Administrative Services, Division of Public Works, the award of contracts for the following project:

JESSE OWENS MEMORIAL PLAZA

Description: This project consists of restoration of the north end of Ohio Stadium, removal of existing parking lot pavement, construction of a new pedestrian plaza and associated landscaping work needed to provide a setting for a statue/memorial honoring Jesse Owens.

General Contract

Date Received:	May 11, 1982
No. of Bids:	3
Low Bid:	\$357,412.00
High Bid:	\$445,966.00
Estimate of Cost:	\$392,569.00
Awarded to:	The Righter Company, Inc., Columbus, Ohio

Electrical Contract

Date Received:	May 11, 1982
No. of Bids:	7
Low Bid:	\$ 37,863.00
High Bid:	\$ 54,700.00
Estimate of Cost:	\$ 54,000.00
Awarded to:	Eastmoor Electrical Contractors, Inc., Columbus, Ohio

Total All Contracts:	\$395,275.00
Total Contingency Allowance:	\$ 20,452.70 which is 5 per cent of construction contracts
Total Project Cost:	\$424,000.00
Funding:	H.B. 552, Line Item 315-147 (81-83 Biennium) and Local Funds, Budget Account 882048

June 10, 1982 meeting, Board of Trustees

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

JESSE OWENS MEMORIAL PLAZA (contd)

NOW THEREFORE

BE IT RESOLVED, That pursuant to the actions previously authorized by the Board, the award of contracts and the establishment of project fund and contingency fund for the project listed above are hereby approved.

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

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**PURCHASE OF REAL PROPERTY
143 ACRES IN WAYNE COUNTY, OHIO**

Resolution No. 82-123

Synopsis: Authorization to purchase two parcels of real property in Wayne County, Ohio, is requested.

WHEREAS the Carl E. and Edith Schaffter real property comprising 99 acres, more or less, improved with a residence, bank barn, equipment storage, and other buildings, described as being the west half of the southeast quarter of Section 23 and part of the northwest corner of the northeast quarter of Section 16 in Franklin Township, Wayne County, Ohio, is being offered for sale; and

WHEREAS the Alden and May Schaffter real property comprising 44 acres, more or less, and described as being part of the east part of the southeast quarter of Section 23 in Franklin Township, Wayne County, Ohio, is being offered for sale; and

WHEREAS the west boundary of the Alden and May Schaffter property is common to the east boundary of the Carl E. and Edith Schaffter property, forming a single contiguous unit of 143 acres, more or less, located adjacent to property of the Ohio Agricultural Research and Development Center; and

WHEREAS over the years the expansion of physical facilities and programs at OARDC and the Agricultural Technical Institute has infringed on research plot land availability, and the purchase of these two properties will alleviate this loss and provide uniform soil and topographic plot land relatively virgin and free from repeated fertility, tillage, chemical and other research treatments, and the release of land presently utilized by the Department of Agronomy for all aspects of agronomic crop research is needed for use by the Departments of Plant Pathology and Entomology for pest management and related research; and

June 10, 1982 meeting, Board of Trustees

**PURCHASE OF REAL PROPERTY
143 ACRES IN WAYNE COUNTY, OHIO (contd)**

WHEREAS the proximity of these two properties will provide operating efficiencies which purchases of non-adjacent land would not provide; and

WHEREAS funds are available from Captial Improvements Appropriation No. 320-029 contained in Amended Substitute House Bill 552; and

WHEREAS these properties and improvements have been appraised at values of \$275,600 and \$275,000 for the Carl E. and Edith Schaffter property and \$103,500 and \$101,200 for the Alden and May Schaffter property; and

WHEREAS the Vice President for Agricultural Administration and the Acting Director of OARDC have negotiated with the owners for purchase prices of \$275,000 (Carl E. and Edith Schaffter), and \$100,000 (Alden and May Schaffter), contingent upon Board of Trustees approval:

NOW THEREFORE

BE IT RESOLVED, That the President and/or Vice President for Business and Finance be authorized to purchase, in the name of the State of Ohio for the use of The Ohio State University, the property owned by Carl E. and Edith Schaffter at a price of \$275,000 and the property owned by Alden and May Schaffter at a price of \$100,000.

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

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EASEMENT - WEST OHIO GAS COMPANY

Resolution No. 82-124

Synopsis: Renewal of gas line easement on the Lima Campus is proposed.

WHEREAS in 1966 the University granted to the West Ohio Gas Company an easement consisting of a twenty-foot wide strip of land and a fifteen-foot wide strip of land each for a gas pipeline to serve University buildings on the Lima Campus; and

WHEREAS this easement expired in 1981, and the University has received a request from the West Ohio Gas Company to renew the easement for a period of fifteen years upon the same terms and conditions as the original easement; and

WHEREAS the gas lines for which the easement is requested serve only University facilities; and

June 10, 1982 meeting, Board of Trustees

EASEMENT - WEST OHIO GAS COMPANY (contd)

WHEREAS the appropriate agencies have recommended that this easement be granted:

NOW THEREFORE

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

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

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EASEMENT - OHIO EDISON COMPANY

Resolution No. 82-125

Synopsis: Renewal of a transmission line easement on the Marion Campus is proposed.

WHEREAS in 1967 the University granted to the Ohio Edison Company an easement consisting of a ten-foot wide strip of land for a 12 KV transmission line and for a primary tap to serve University buildings on the Marion Campus; and

WHEREAS this easement expires November 16, 1982, and the University has received a request from the Ohio Edison Company to renew the easement for a period of fifteen years upon the same terms and conditions as the original easement; and

WHEREAS the transmission line for which the easement is requested will serve University facilities; and

WHEREAS the appropriate agencies have recommended that this easement be granted:

NOW THEREFORE

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

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

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June 10, 1982 meeting, Board of Trustees

**GAS LINE EASEMENT TO FREDERICK PETROLEUM CORPORATION,
NOBLE COUNTY, OHIO**

Resolution No. 82-126

Synopsis: Authorization to grant a gas line easement in Noble County is requested.

WHEREAS the Ohio Agricultural Research and Development Center has property in Noble County, known as Unit II of the Eastern Ohio Resource Development Center, for the study of strip mining reclamation; and

WHEREAS the Frederick Petroleum Corporation has requested permission to lay a 4" gas line across approximately 9,780 feet of this land to permit them to transmit and sell natural gas from their wells to Columbia Gas Company; and

WHEREAS this line will be located so as not to interfere with any OARDC operations; and

WHEREAS the Frederick Petroleum Corporation will pay OARDC \$5.00 per lineal rod (approximately \$2,960.00) for this easement; and

WHEREAS the appropriate University offices have recommended that this easement be granted:

NOW THEREFORE

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

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

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REPORT - UNIVERSITY'S INVESTMENT PORTFOLIO

Resolution No. 82-127

RESOLVED, That the report on the University's Investment Portfolio, dated May 21, 1982, as submitted to the Fiscal Affairs Committee of the Board of Trustees, be received and filed with the official records of the Board.

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June 10, 1982 meeting, Board of Trustees

COMMENTS BY PRESIDENT EDWARD H. JENNINGS

President Jennings:

Mr. Chairman, that completes my report. I would like to just take a minute and to thank Mr. Gilson for all the work he's done for this University during the past year as Chairman of the Steering Committee. Dick, it was a difficult year and any credit that is to be given should be given to you and your colleagues on the Steering Committee as well as the Faculty Council and the University Senate, but without your help, it would have been a much more difficult year and we appreciate that an awful lot.

And, Mr. Asher, welcome; we'll work you over pretty good, too. We've got a politician now. Although, those faculty members who are not politicians are members of the null set--is that--

And we have a great event tomorrow. It's going to be a great event for me--my first time in the Stadium. I tell you, I know I'm going to be in a ton of trouble because I'm told that that event has not been rained out in 31 years, and I'm not anxious to be the first in 31 years to have it rained out. But I would like to note that if the creeks don't rise, we're going to have a new professor at Ohio State University; he won't actually, but now our special assistant for state relations, Bill Napier, an old country boy from Tennessee and I don't see him here, is now going to have to have a little new respect because as of tomorrow afternoon, he will be Dr. Napier; he will be receiving a Ph.D. from Ohio State University in political science, and now he'll really give us trouble because he'll be one of them, right! But I'd like to congratulate Bill. That's all I have, Mr. Chairman.

Thereupon the Board adjourned to meet Friday, July 9, 1982, at Franz Theodore Stone Laboratory, Gibraltar Island, Ohio, at 12:00 noon.

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Warren J Smith
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