

**MEETING OF THE BOARD OF TRUSTEES**  
**OF THE**  
**UNIVERSITY OF ILLINOIS**

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**June 19, 1963**



The June meeting of the Board of Trustees of the University of Illinois was held in the Pere Marquette Hotel, Peoria, Illinois, on Wednesday, June 19, 1963, beginning at 10:30 a.m.

The following members of the Board were present: Mr. Howard W. Clement, Mr. Irving Dilliard, Mr. Wayne A. Johnston, Mr. Harold Pogue, Mr. Timothy W. Swain, Mrs. Frances B. Watkins, Mr. Kenney E. Williamson. Mr. Earl M. Hughes, Governor Otto Kerner, and Mr. Ray Page were absent.

Also present were President David D. Henry, Executive Vice-President and Provost Lyle H. Lanier, Vice-President Joseph S. Begando, University of Illinois at the Medical Center, Chicago, Director C. S. Havens of the Physical Plant, Mr. C. E. Flynn, Assistant to the President and Director of Public Information, Mr. James J. Costello, Legal Counsel, Mr. V. L. Kretschmer, Director of Auxiliary Services, Mr. Donald C. Neville, Assistant to the Director of the Physical Plant; and the officers of the Board, Mr. H. O. Farber, Comptroller, Mr. R. R. Manchester, Treasurer, and Mr. A. J. Janata, Secretary. Professor Charles H. Bowman of the College of Law was present for a part of the meeting.

**MINUTES APPROVED**

The Secretary presented the minutes of the meetings of the Board of Trustees on September 19, October 17, and November 9, 1962, press proof copies of which have previously been sent to the Board.

On motion of Mr. Johnston, these minutes were approved as printed on pages 49 to 261, inclusive.

**REPORT OF EXECUTIVE COMMITTEE ON CHANGE IN CONTRACT FOR CONSTRUCTION OF CONGRESS CIRCLE**

The Secretary presented the following report:

On recommendation of the Director of the Physical Plant and with the concurrence of the President of the University, the Executive Committee has authorized an increase of \$56,000 in the contract with Gust K. Newberg Construction Company, General Contractors, Chicago, for the construction of buildings at Congress Circle to include removal of buildings I, II, III, IV, and V of parcel No. 13-216 which are part of the Hull House group. The contractor is willing to undertake this additional work to expedite construction and has submitted a quotation under the same conditions on which bids were received by the Department of Urban Renewal. It is not practicable for the Department to attempt to demolish these buildings within the period of time available without serious danger of delay to the University's construction program and also because of the possibility of complications arising between the University's contractor and the City's demolition contractor working in the same area. The City will reimburse the University for this work.

THE EXECUTIVE COMMITTEE  
MR. WAYNE A. JOHNSTON  
MRS. FRANCES B. WATKINS  
MR. HOWARD W. CLEMENT

On motion of Mrs. Watkins, the action of the Committee was confirmed.

**BUSINESS PRESENTED BY THE PRESIDENT OF THE UNIVERSITY**

The Board took up consideration of the following reports and recommendations from the President of the University.

**PRESIDENT'S REPORT**

President Henry presented a report on selected topics of current interest, copies of which were distributed at the meeting, and a copy was filed with the Secretary of the Board.

**AWARD OF CERTIFIED PUBLIC ACCOUNTANT CERTIFICATES**

(1) The Committee on Accountancy recommends that the certificate of Certified Public Accountant be awarded, under Section 5 of the Accountancy Act of 1943, as amended, to the following candidates who have presented evidence that they are holders of valid and unrevoked Certified Public Accountant certificates obtained by passing a standard written examination in another state or territory of the United States and who qualify in all other respects under this provision of the law:

<i>Name</i>	<i>Address</i>	<i>State from Which They Obtained Certificates</i>
ARTHUR ROBERT BETZ	St. Louis, Missouri	Missouri
JOHN MICHAEL CONNOLLY	Chicago, Illinois	District of Columbia
WENDELL H. FINKBEINER	Mt. Prospect, Illinois	Michigan
THOMAS ALBAN JONES	Western Springs, Illinois	North Carolina
RAYMOND FRANCES KIEWIT	Brookfield, Wisconsin	Wisconsin
HERBERT G. SIEPERT	Beloit, Wisconsin	Wisconsin
RALPH WILLIAM SIMON	St. Louis, Missouri	Missouri
ALLAN WEHRMEYER	Metropolis, Illinois	District of Columbia
WALTER JOSEPH ZIMBRICH	Beloit, Wisconsin	Wisconsin

I concur.

On motion of Mr. Johnston, these certificates were awarded.

## APPOINTMENTS TO THE FACULTY

(2) The following new appointments to the faculty of the rank of Assistant Professor and above, and involving tenure, have been approved since the previous meeting of the Board of Trustees.

1. DAVID C. BAUM, Assistant Professor of Law, beginning September 1, 1963, at an annual salary of \$10,500.
2. GORDON A. BAYM, Visiting Research Assistant Professor of Physics, for the academic year 1963-64, at a salary of \$8,100.
3. WILLIAM E. BELL, Assistant Professor of Marketing, beginning September 1, 1963, at an annual salary of \$9,000.
4. NORMAN BLACKBURN, Visiting Associate Professor of Mathematics, for three months from June 16, 1963, at a salary of \$3,802.
5. VLASTIMIL P. BORECKY, Visiting Professor of General Engineering, beginning September 1, 1963, at an annual salary of \$10,000.
6. HAROLD F. BREIMYER, Visiting Research Professor of Economics and of Agricultural Economics, for one year from July 1, 1963, at a salary of \$16,000.
7. MAYNARD J. BRICHFORD, University Archivist in the Library, with rank of Associate Professor, beginning September 1, 1963, at an annual salary of \$11,000.
8. IRVING CANTER, Associate Professor in the Jane Addams Graduate School of Social Work, for one month from August 1, 1963, at a salary of \$1,222, and beginning September 1, 1963, at an annual salary of \$11,000.
9. JOHN W. CHRISTIAN, Visiting Professor in the Department of Mining, Metallurgy, and Petroleum Engineering, for one month from June 16, 1963, at a salary of \$1,800.
10. GODWIN C. CHU, Research Assistant Professor in the Institute of Communications Research and Assistant Professor of Journalism, beginning September 1, 1963, at an annual salary of \$7,200.
11. CLARK EDWARD CUNNINGHAM, Visiting Assistant Professor of Anthropology, for the academic year 1963-64, at a salary of \$7,000.
12. RICHARD DAVENPORT, Assistant Professor of Zoology, beginning September 1, 1963, at an annual salary of \$8,500.
13. NICOLAOS A. ECONOMOU, Visiting Associate Professor of Physics, beginning September 1, 1963, at an annual salary of \$10,400.
14. L. ETHAN ELLIS, Visiting Professor of History, for the first semester of 1963-64, at a salary of \$7,500.
15. ROBERT N. FARVOLDEN, Assistant Professor of Geology, beginning February 1, 1964, at an annual salary of \$9,100.
16. VINCENZO FERRARO, George A. Miller Visiting Professor of Astronomy and of Electrical Engineering, for five months from September 1, 1963, at a salary of \$6,500.
17. ALBERT P. FOULKES, Assistant Professor of German, beginning September 1, 1963, at an annual salary of \$7,000.
18. HYMAN GABAI, Assistant Professor of Mathematics and of Education, University High School, for three months from June 1, 1963, at a salary of \$4,273, and beginning September 1, 1963, at an annual salary of \$13,000.
19. WILLIAM LEO GAMBLE, Assistant Professor of Civil Engineering, beginning September 1, 1963, at an annual salary of \$8,000.
20. HARRY HAILE, Associate Professor of German, beginning September 1, 1963, at an annual salary of \$9,500.
21. ROBERT LOUIS HASS, Assistant Professor of Hygiene and Dentist in the Health Service, beginning September 1, 1963, at an annual salary of \$12,000.
22. ALOIS R. HASTREITER, Assistant Professor of Pediatrics, beginning July 1, 1963, on one-half time, at an annual salary of \$6,000.
23. PETER H. HAY, Assistant Professor of Law, beginning September 1, 1963, at an annual salary of \$11,000.
24. CLAUDE A. HENDRIX, JR., Assistant Professor of Hygiene, Staff Physician in Health Center and McKinley Hospital, in the Health Service, beginning September 1, 1963, at an annual salary of \$15,000.
25. BERTRAM HUPPERT, Visiting Professor of Mathematics, for the academic year 1963-64, at a salary of \$14,000.
26. SURESH C. JAIN, Visiting Research Professor of Physics, for two months from June 7, 1963, at a salary of \$3,200.

27. HARRY M. JOHNSON, Visiting Professor of Sociology, for the academic year 1963-64, at a salary of \$12,000.
28. MILDRED SPITLER JOHNSON, Consultant in the Jane Addams Graduate School of Social Work, with rank of Assistant Professor, beginning April 1, 1963, on one-half time, at an annual salary of \$5,000.
29. KARL KÄFER, Visiting Professor of Accountancy, for the academic year 1963-64, at a salary of \$12,000.
30. HARRY D. KRAUSE, Assistant Professor of Law, beginning September 1, 1963, at an annual salary of \$10,500.
31. JOHN W. KRONIK, Assistant Professor of Spanish, Italian, and Portuguese, beginning September 1, 1963, at an annual salary of \$8,000.
32. RICHARD FRANCIS KUISEL, Assistant Professor of History, beginning September 1, 1963, at an annual salary of \$7,500.
33. CHARLOTTE L. LAMBERT, Associate Professor of Physical Education for Women, beginning September 1, 1963, at an annual salary of \$10,100.
34. DONALD ALFRED MARKWALDER, Assistant Professor of Economics, beginning September 1, 1963, at an annual salary of \$9,000.
35. HUGH MCLEAN, Visiting Professor of Russian, for the first semester of the academic year 1963-64, at a salary of \$4,500.
36. DUANE METZGER, Assistant Professor of Anthropology, for four and one-half months from September 16, 1963, at a salary of \$4,100.
37. ROBERT A. MILLER, Associate Professor of Pediatrics, College of Medicine, beginning July 1, 1963, at an annual salary of \$9,000.
38. ROGER G. OLSTAD, Visiting Assistant Professor in the Department of Secondary and Continuing Education, for the academic year 1963-64, at a salary of \$8,500.
39. CENAP ORAN, Assistant Professor of Civil Engineering, beginning September 1, 1963, at an annual salary of \$7,800.
40. BETTY E. ORR, Visiting Associate Professor in the Department of Educational Psychology, College of Education, beginning September 16, 1963, at an annual salary of \$9,500.
41. HAROLD H. ORVIS, Assistant Professor of Preventive Medicine, beginning September 1, 1963, at an annual salary of \$18,000.
42. FRAZER G. POOLE, Professor of Library Administration and Librarian, Chicago Undergraduate Division, beginning September 1, 1963, at an annual salary of \$15,000.
43. MORRIS PRIPSTEIN, Research Assistant Professor of Physics, beginning September 16, 1963, at an annual salary of \$9,000.
44. THOMAS M. SCHEIDEL, Associate Professor of Speech and Theatre, beginning September 1, 1963, at an annual salary of \$10,000.
45. HERBERT I. SCHILLER, Research Associate Professor in the Bureau of Economic and Business Research, beginning September 1, 1963, at an annual salary of \$13,000.
46. RUDOLF SCHRADER, Visiting Associate Professor of Physics, beginning October 1, 1963, at an annual salary of \$15,000.
47. JULIAN L. SIMON, Assistant Professor of Advertising, beginning September 1, 1963, at an annual salary of \$8,200.
48. RITA J. SIMON, Associate Professor of Sociology and Research Associate Professor in the Institute of Communications Research, beginning September 1, 1963, at an annual salary of \$7,200.
49. DANIEL M. SLATE, Research Associate Professor in the Bureau of Economic and Business Research, for two and one-half months from June 15, 1963, at a salary of \$3,195.
50. EARL W. STARK, Assistant Professor of Speech and Theatre, beginning September 1, 1963, at an annual salary of \$7,500.
51. MARIANNA TREKELL, Assistant Professor in the Department of Secondary and Continuing Education, on three-fourths time, and in the Department of Physical Education for Women, on one-fourth time, beginning September 1, 1963, at an annual salary of \$8,200.
52. PRISCILLA TYLER, Associate Professor of English and Counselor in Teacher Education, beginning September 1, 1963, at an annual salary of \$10,200.
53. CONSTANTIN D. USZYNSKI, Assistant Professor of Russian, beginning September 1, 1963, at an annual salary of \$7,300.

54. SHIGUEO WATANABE, Visiting Assistant Professor of Physics, for the academic year 1963-64, on one-third time, at a salary of \$3,000.
55. JOSEPH W. WENZEL, Assistant Professor of Speech and Theatre, beginning September 1, 1963, at an annual salary of \$7,800.
56. DUANE H. WHITTIER, Visiting Assistant Professor of Philosophy, for the academic year 1963-64, at a salary of \$8,000.
57. BRIAN F. WILKIE, Assistant Professor of English, beginning September 1, 1963, at an annual salary of \$7,500.
58. MARTIN L. ZEIGLER, Assistant Provost and Director of Institutional Studies, with rank of Associate Professor, in the Office of the Executive Vice-President and Provost, beginning July 1, 1963, at an annual salary of \$18,500.

On motion of Mr. Dilliard, these appointments were confirmed.

#### **DEPARTMENT OF FOOD TECHNOLOGY**

- (3) The Department of Food Technology, the Executive Committee, and the Dean of the College of Agriculture recommend a change in the name of the Department to Department of Food Science. This change will apply only to the name of the Department and will not change the curricula, courses, or degrees. Food Technology courses will become Food Science courses and the degrees granted will be in Food Science instead of Food Technology.

I concur.

On motion of Mr. Williamson, this recommendation was approved.

#### **HOSPITAL-MEDICAL SERVICE PLAN. CHICAGO UNDERGRADUATE DIVISION**

- (4) Based on a recent survey of the academic staff by the Chicago Undergraduate Senate Committee on Retirement, Hospitalization, and Insurance, this Committee recommended to the Chicago Undergraduate Division Senate that the Blue Cross-Blue Shield program be discontinued and that the University of Illinois Hospital and Medical Service Plan be adopted effective October 1, 1963. The Chicago Undergraduate Division Senate approved this recommendation at their meeting on April 9, 1963.

The Nonacademic Employees Council of the Chicago Undergraduate Division also approved the adoption of the University of Illinois Hospital and Medical Insurance Plan. This approval was based upon the results of a questionnaire sent to all nonacademic employees by the Nonacademic Employees Council under date of April 23, 1963.

The Vice-President in charge of the Undergraduate Division and the Vice-President and Comptroller concur in recommending adoption of the University of Illinois Hospital and Medical Service Plan at the Chicago Undergraduate Division effective October 1, 1963.

On motion of Mr. Swain, this recommendation was approved.

#### **WORKING CASH FUNDS, CHICAGO DIVISIONS**

- (5) The Board of Trustees has authorized a working cash fund for the University of Illinois at the Medical Center, Chicago, and petty cash funds for the Medical Center and for the Chicago Undergraduate Division. The working cash fund is used for processing vouchers drawn on state appropriations in cases when there is inadequate time to follow the normal procedures of payment through the State Auditor. Reimbursements of expenditures made from the working cash funds are by vouchers processed against state appropriations.

Petty cash funds are used for the establishment of small cash funds in departments, advances to staff traveling on University business, and payment of salaries which are due but which, because of state processing schedules, were not included on regular payrolls. For the latter, reimbursement of the petty cash fund is secured through processing routine payrolls.

It has been found that the amount allocated for working cash funds in Chicago has been greater than that needed and that petty cash funds have been inadequate. The Vice-President and Comptroller recommends the following changes in these fund authorizations:

	<i>From</i>	<i>To</i>
Medical Center Working Cash Fund.....	\$100 000	\$ 50 000
Medical Center Petty Cash Fund.....	30 000	60 000
Undergraduate Division Petty Cash Fund.....	15 000	35 000
	<u>\$145 000</u>	<u>\$145 000</u>

I concur.

On motion of Mr. Pogue, this recommendation was approved.

#### APPROPRIATIONS FOR NONRECURRING EXPENDITURES

(6) The Executive Vice-President and Provost and the Vice-President and Comptroller recommend the following appropriations and assignments of funds from the University General Reserve:

##### *Urbana-Champaign*

1. Health Service	
McKinley Hospital, overbed tables and wall closets.....	\$ 5 852
2. College of Liberal Arts and Sciences	
Department of Chemistry and Chemical Engineering, equipment.....	5 146
Department of Physiology and Biophysics, equipment (to match a grant from the National Science Foundation).....	25 707
Department of Psychology, equipment (to match a grant from the National Science Foundation).....	24 980
Department of Chemistry and Chemical Engineering, equipment (to match a grant from the National Science Foundation).....	25 000
3. Physical Plant Department	
Remodeling rifle range and office space in Armory.....	17 680
Remodeling building at 807 South Lincoln Avenue for College of Veterinary Medicine .....	5 115
Remodeling in Animal Sciences Laboratory for Department of Dairy Science.....	4 385
Remodeling paleontological laboratory of Department of Geology....	11 200
Air conditioning, and moving of houses at 606 and 606½ South Mathews Avenue to 1205 West Nevada Street to provide additional land for construction of East Chemistry Building.....	59 000
Remodeling in Chemistry Annex and Noyes Laboratory for Department of Chemistry and Chemical Engineering.....	23 310
Remodeling in Horticulture Field Laboratory for Departments of Plant Pathology and Horticulture.....	20 380
Electrical service for window air conditioners in David Kinley Hall...	18 480
Remodeling and air conditioning to convert Woodshop into research space for Department of Civil Engineering.....	47 740
Renovation of ventilation system in Chemistry Annex laboratories for Department of Chemistry and Chemical Engineering (this assignment is in addition to \$16,900 presently available).....	28 510
<i>Total</i> .....	<u>\$322 485</u>

I concur.

On motion of Mr. Swain, these appropriations were made by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner, Mr. Page.

#### ASSIGNMENT OF FUNDS BY ATHLETIC ASSOCIATION

(7) The Board of Directors of the Athletic Association has approved an assignment of \$5,000 to supplement the contribution of the Athletic Association to the Grants-in-Aid Fund of the University of Illinois Foundation for athletic grants.

Confirmation of this action is requested.

On motion of Mr. Pogue, this action was confirmed.

#### CONTRACTS FOR MINOR BUILDING ALTERATIONS AND REPAIRS

(8) The Director of the Physical Plant and the Vice-President and Comptroller recommend authorization of cost-plus contracts with the following contractors

for minor building alterations, repairs, and construction work for the period July 1, 1963, through June 30, 1964.

General — Clarence H. Siems, doing business as Clarence H. Siems Company, Urbana

Electrical — Brunkow Electric Company, Champaign

Plumbing — Willis H. and W. C. Thomas, a partnership doing business as Thomas Plumbing and Heating Company, Urbana

Heating and Ventilating — R. H. Bishop Company, Champaign

These contracts are for work which does not justify the cost of preparing separate drawings and specifications and of separate bidding procedures on each project. The several contractors bid on percentages to be added to actual material, labor, and subcontract costs, depending in many cases on the size of the particular division of work with specified limits of four ranges.

Work will be done as ordered by the Physical Plant Department and will be paid for on the basis of the actual cost of each job plus contractors' fees. A schedule of bids taken showing the percentages to be added for work to be executed under these cost-plus contracts is submitted herewith, and a copy of the schedule is being filed with the Secretary of the Board for record as the basis for the contract awards recommended. No assignment of funds is requested and each job will be covered by a contract change order charged against funds allocated for the project.

It is further recommended that the Vice-President and Comptroller be authorized to approve orders under these contracts up to \$25,000 on each project provided that any orders exceeding this amount shall be submitted to the Board of Trustees for approval in advance, in accordance with previous practice and authorization.

I concur.

On motion of Mrs. Watkins, these contracts were authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner, Mr. Page.

#### **CONTRACT FOR PLASTERING, PLASTER PATCHING AND REPAIRS, AND ACOUSTICAL WORK**

(9) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a cost-plus contract to George S. Grimmert, doing business as George S. Grimmert and Company, Springfield, the lowest bidder, for plastering, plaster patching and repairs, and acoustical work during the fiscal year ending June 30, 1964, on the basis of a contractor's fee of 13.9 per cent of all actual job costs as determined by itemized billing.

I concur.

On motion of Mr. Johnston, this contract was authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner, Mr. Page.

#### **CONTRACT FOR CONSTRUCTION OF DAIRY HERDSMAN'S COTTAGE ADDITION**

(10) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for \$7,081 to C. P. Bauman and Son, Champaign, the lowest bidder, for construction of an addition to, and minor remodeling in, the Dairy Herdsman's Cottage on the South Lincoln Avenue Farm.

Dairy Science Department funds are available for this improvement.

I concur.

On motion of Mr. Pogue, this contract was awarded by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner, Mr. Page.

**CONTRACTS FOR CONSTRUCTION OF VETERINARY MEDICINE  
RESEARCH ANNEX ADDITION**

(11) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of the following contracts for construction of an addition to the Veterinary Medicine Research Annex, the award in each case to the lowest bidder:

General—Pathman Construction Co., Chicago.....	\$194 281
Base bid .....	\$186 981
Additive alternate for revisions on the first floor.....	2 700
Additive alternate for assignment of other contracts.....	4 600
Laboratory Furniture—Laboratory Furniture Company, Inc., Mineola, New York.....	19 772
Base bid .....	\$ 18 171
Additive alternate for revisions in installation in Room 6a.....	1 481
Additive alternate for installation of aluminum distilled water valves .....	120
Dumbwaiter—Otis Elevator Company, Chicago.....	5 913
Electrical—G. L. Wilskey, an individual doing business as Downtown Electric, Urbana .....	19 505
Base bid .....	\$ 19 025
Additive alternate for revisions in the first floor.....	320
Additive alternate for work on monorail system.....	110
Additive alternate for installation of electrical outlets for laboratory furniture in Room 6a.....	50
Plumbing—Healy Plumbing and Heating Company, St. Paul, Minnesota.....	21 009
Base bid .....	\$ 17 900
Additive alternate for revisions in the first floor.....	561
Additive alternate for distilled water still.....	1 249
Additive alternate for distilled water piping to laboratory furniture on the second floor.....	876
Additive alternate for connection of laboratory service fixtures in the additional laboratory furniture in Room 6a .....	287
Additive alternate for distilled water piping to Room 6a...	136
Heating, Piping, and Refrigeration—R. H. Bishop Company, Cham- paign .....	44 453
Base bid .....	\$ 43 700
Additive alternate for installation of distilled water still...	753
Ventilating and Sheet Metal Work—Petry Roofing and Sheet Metal Company, Champaign .....	27 237
<i>Total</i> .....	<i>\$332 170</i>

It is also recommended that all contracts other than the general contract be assigned to the contractor for general work, making the total of his contract \$332,170, and it is further recommended that an agreement be entered into with Pathman Construction Co., Chicago, for the assignment of these other contracts for \$4,600, which amount is included in the contract price, being the amount bid by that Company for service charge for supervision of other contracts assigned to the general contractor.

Funds are available from a grant to the University from the National Institutes of Health, state capital appropriations to the University for 1961-63 from the Universities Building Fund, which have been released, and from indirect costs on government contracts for research related to this project.

Submitted herewith is a report from the Physical Plant Department, including a summary of bids received, a copy of which is being filed with the Secretary of the Board.

I concur.

On motion of Mr. Swain, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner, Mr. Page.



**CONTRACTS FOR CONSTRUCTION OF REHABILITATION CENTER**

(12) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of the following contracts for construction of the first phase of the Rehabilitation Center Building to be erected at the northwest corner of Stadium Drive and Oak Street, Champaign, the award in each case being to the lowest bidder:

General — A. F. Krall Construction Company, Inc., Decatur.....	\$526 030
Base bid .....	\$496 247
Additive alternate for assignment of other contracts.....	14 000
Additive alternate for extension of basement under un-	
excavated areas .....	19 883
Deductive alternate for substituting painting for vinyl cov-	
ering on wall surfaces.....	— 4 100
Electrical — Square Deal Electrical Contracting, Inc., Urbana.....	72 035
Base bid .....	\$ 71 000
Additive alternate for extension of basement under un-	
excavated areas .....	1 035
Plumbing — David William Reichard and David Warren Reichard, a	
partnership doing business as David W. Reichard Plumbing and	
Heating, Urbana .....	77 800
Base bid .....	\$ 76 000
Additive alternate for extension of basement under un-	
excavated areas .....	1 800
Heating — Healy Plumbing and Heating Company, St. Paul, Minnesota	99 412
Base bid .....	\$ 98 235
Additive alternate for extension of basement under un-	
excavated areas .....	1 177
Ventilating — R. H. Bishop Company, Champaign.....	81 136
Base bid .....	\$ 75 800
Additive alternate for extension of basement under un-	
excavated areas .....	5 336
<i>Total.....</i>	<i>\$856 413</i>

It is also recommended that all contracts other than the general contract be assigned to the contractor for general work, making the total of his contract \$856,413 and it is further recommended that an agreement be entered into with A. F. Krall Construction Company, Inc., Decatur, for the assignment of these other contracts for \$14,000, which amount is included in the contract price, being the amount bid by that Company for service charge for supervision of other contracts assigned to the general contractor.

If the foregoing recommendations are approved, the Director of the Physical Plant and the Vice-President and Comptroller also recommend an increase of \$3,456 in the contract with A. F. Krall Construction Company, Inc., Decatur, for the purchase and installation of lockers for dressing rooms. This change in the contract was negotiated after the receipt of bids; one-third of the cost of this installation will be paid from a federal grant for the project.

Funds are available in a grant from the United States Public Health Service (Public Health Service III. 164), from private donations, and in the state capital appropriations to the University for 1961-63 from the Universities Building Fund, and have been released.

I concur in the foregoing recommendations, subject to final approval of the federal grant by the United States Public Health Service.

On motion of Mrs. Watkins, these contracts were awarded, as recommended, and the increase in the general contract was authorized, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner, Mr. Page.

**CONTRACT FOR CONSTRUCTION OF MATERIALS  
RESEARCH LABORATORY, PHASE I**

(13) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for \$167,163 to the Pathman Construction

Co., Chicago, the lowest bidder, for Phase I construction of the Materials Research Laboratory. Phase I will consist of sheet piling the sides of the Boneyard Creek through the site and the provision of additional supporting piles for and the construction of slabs over the Boneyard to support a three-story connecting link between the Materials Research Laboratory and the present Physics Building. The contract will also include construction of a paved delivery and service area over another part of the Boneyard Creek.

Initiating Phase I at this time will meet the construction time schedule proposed in the prospectus submitted to the Advanced Research Projects Agency (ARPA) and the United States Atomic Energy Commission, which agencies will participate in amortizing the costs of the laboratory. Construction on Phase II is tentatively scheduled to start in October, 1963.

The Board has approved a proposal to the Illinois Building Authority to finance construction of the Materials Research Laboratory, but in the event that this first phase of the project can not be so financed, funds will be available from the state capital appropriations to the University for 1963-65 subject to release, or from indirect costs received from materials research contracts.

I concur and recommend that \$210,000 from undistributed indirect costs derived from Materials Research Laboratory contracts be reserved to finance the construction of Phase I, as needed. The difference between this figure and the Pathman contract is to cover other construction costs.

On motion of Mr. Swain, this contract was awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner, Mr. Page.

#### CONTRACTS FOR EXTENSION OF UTILITIES DISTRIBUTION SYSTEM, URBANA

(14) The Director of the Physical Plant and the Vice-President and Comptroller recommend awards of contracts, subject to availability of funds, for extensions of the utilities distribution system for additional services to the Materials Research Laboratory, the Electrical Engineering Building, the Education Building, and the Illinois Street Residence Halls, the award in each case being to the lowest bidder:

Steam Tunnel to Materials Research Laboratory

Underground Steam Tunnel Extension—Dean Evans Company, Champaign.....	\$149 900
Tunnel Piping Work for Extension of Steam Service—The J. A. Julian Company, Chicago.....	132 378
Base bid which included only a 12-inch low-pressure steam main and a 4-inch condensate main, the bare minimum for steam service.....	\$ 77 940
Additive alternate (A) for the addition of a 6-inch high-pressure steam main.....	9 988
Additive alternate (B) for the addition of an 8-inch utility pressure steam main.....	11 910
Additive alternate (C) for a 4-inch high-pressure under- ground steam conduit connecting tunnel steam to an existing high-pressure main at the Mining and Metallurgy Laboratory to enable high-pressure steam service from two directions.....	12 892
Additive alternate (D) for the addition of an 8-inch low-pressure underground steam conduit connect- ing tunnel steam to an existing low-pressure main at the Mining and Metallurgy Laboratory to enable low pressure steam service from two directions....	19 648
Thermal Insulation for Piping System for Steam Service —Sprinkmann Sons Corporation of Illinois, Peoria.....	17 254
Base bid .....	\$ 10 622
Additive alternates for thermal insulation for the piping to be installed under alternates included in the tunnel piping work:	
Alternate A .....	3 105

Alternate B .....	2 969
Alternate C .....	232
Alternate D .....	326
Electrical Work for Extension of Steam and Electric Service—Kuhne-Simmons Company, Inc., Champaign.....	28 479
<i>Total, Materials Research Laboratory.....</i>	<i>\$328 011</i>
<b>Extension of Steam Service to Electrical Engineering Building for Air Conditioning</b>	
Underground Steam Piping Work—Robert Gordon, Inc., Chicago..	\$ 48 798
Base bid .....	\$ 46 798
Additive alternate for compact layers of clay topped with eight inches of top soil to prevent drowning out of clays above the steam main.....	2 000
Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released.	
<b>Additions to Underground Facilities for Education Building</b>	
Storm Sewer—George S. Walker Plumbing and Heating, Inc., Decatur.....	\$ 16 390
Base bid for an 18-inch storm sewer.....	\$ 8 290
Additive alternate for the construction of a 12-inch storm sewer to be diverted around present building construction .....	8 100
Water Mains—Cross Construction, Inc., Urbana.....	3 636
<i>Total, Education Building.....</i>	<i>\$ 20 026</i>
Funds are available in the construction budget and have been released.	
<b>Additions to Underground Facilities for the Illinois Street Residence Halls</b>	
Sanitary and Storm Sewers—Elton A. Wagner Company, Danville	\$ 53 200
Water—George S. Walker Plumbing and Heating, Inc., Decatur..	30 524
Base bid providing for the extension of an 8-inch main with fire hydrants on the south side of Green Street from the Student-Staff Apartments east to the west side of Gregory Place and a 12-inch main on the west side of Goodwin Avenue from Green Street south to Illinois Street and an 8-inch main from the intersection of Illinois Street and Goodwin Avenue east to Gregory Place.....	28 474
Additive alternate for the substitution of ductile iron pipe for the 12-inch main in place of cast iron pipe	1 150
Additive alternate for the provision of an additional extension of the 8-inch water main under the existing steam tunnel in Goodwin Avenue if it is determined during construction that there is not sufficient clearance to go over the steam tunnel....	900
Underground Steam Tunnel and Electrical Ductruns—Oran L. Shoemaker and Company, Champaign.....	108 308
Piping System for Steam Services—George S. Walker Plumbing and Heating, Inc., Decatur.....	77 770
Base bid .....	\$ 52 870
Additive alternate for the installation of an 8-inch utility pressure steam main which can be used as either a low-pressure or high-pressure steam main and which will operate normally as a low-pressure steam main to reduce the pressure drop in the low-pressure steam system.....	24 900
Thermal Insulation for Piping for Steam Services—Sprinkmann Sons Corporation of Illinois, Peoria.....	14 179
Base bid .....	\$ 7 242
Additive alternate for thermal insulation for additional 8-inch utility pressure steam main.....	6 937

Electrical Work for Steam and Electric Service — Kuhne-Simmons Company, Inc., Champaign.....	11 660
<i>Total, Illinois Street Residence Halls.....</i>	<i>\$295 641</i>

Funds for the additional utilities distribution system servicing the Illinois Street Residence Halls have been requested in the 1963-65 capital appropriation to the University. In the event funds are not made available and released, a subsequent recommendation will be submitted to the Board on the funding of these projects.

Attached are reports from the Physical Plant Department of these projects, including schedules of bids received, copies of which are being filed with the Secretary of the Board.

I concur in the above recommendations.

On motion of Mr. Williamson, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner, Mr. Page.

#### CONTRACTS FOR REMODELING RESEARCH AND EDUCATIONAL HOSPITALS

(15) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of contracts for the remodeling of the surgery areas on the fourth floor of the Research and Educational Hospitals, the award in each case being to the lowest bidder:

General — Mutual Contracting Company, Chicago.....	\$103 153
Base bid .....	\$100 919
Additive alternate for service charge for supervision of other contracts assigned to this contractor.....	2 234
Plumbing — Peter H. Smith Company, Chicago.....	10 666
Heating — National Korectaire Company, Chicago.....	56 738
Ventilating and Air Conditioning — Manor Sheet Metal, Inc., Skokie...	20 445
Electrical — Fries-Walters Company, Chicago.....	38 497
<i>Total.....</i>	<i>\$229 499</i>

The work will consist of the improvement of the surgical facilities on the fourth floor of the General Hospital and in the adjacent areas of the Hospitals Addition. With only six major operating rooms in the Hospitals Addition supplemented by a major and a minor operating room in the Illinois Neuropsychiatric Institute and two minor operating rooms in the General Hospital, there is a major requirement for an increase in surgical facilities. This project will provide three additional operating rooms with the necessary auxiliary facilities.

It is further recommended that all contracts other than the contract for general work be assigned to the contractor for that work, making the total of his contract price \$229,499; and that an agreement be entered into with Mutual Contracting Company for the assignment of these other contracts for \$2,234, which amount is included in the contract price, being the amount bid by that Company for service charge for supervision of other contracts assigned to the general contractor.

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released.

A schedule of all bids received is submitted herewith and a copy is being filed with the Secretary of the Board.

I concur.

On motion of Mrs. Watkins, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner, Mr. Page.

#### CONTRACTS FOR REPLACEMENT OF EXISTING DUCTWORK IN MEDICAL RESEARCH LABORATORY

(16) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of contracts for replacement of existing ductwork in the

Virology Laboratories (Systems E2, E3, and E6) of the Medical Research Laboratory, the award in each case being to the lowest bidder:

General — Mutual Contracting Company, Chicago.....	3 699
Base bid .....	1 867
Additive alternate for replacement of existing ductwork in System E6 .....	1 832
Ventilating — Zack Company, Chicago.....	\$15 549
Base bid .....	\$5 631
Additive alternate for service charge for supervision of other contracts assigned to this contractor.....	596
Additive alternate for providing bypass connection between Systems E2, E3, and E6.....	745
Additive alternate for replacement of existing ductwork in System E6 .....	8 577
Heating, Refrigeration, and Temperature Controls—North Town Refrigeration Corporation, Chicago.....	4 600
Base bid .....	1 600
Additive alternate for providing bypass connection between Systems E2, E3, and E6.....	4 000
Electrical — Hyre Electric Company, Chicago.....	3 609
Base bid .....	1 843
Additive alternate for providing bypass connection between Systems E2, E3, and E6.....	231
Additive alternate for replacement of existing ductwork in System E6.....	1 535
Total.....	<u>\$27 457</u>

The work will consist of replacing the ductwork on three exhaust systems from three Virology Laboratory rooms to their respective air incinerators. The new ductwork will be of stainless steel and airtight construction. The improvement will prevent the escape of disease bacteria contagious to humans and permit chemical sterilization of the exhaust systems.

It is further recommended that all contracts other than the contract for ventilation work be assigned to the contractor for that work, making the total of his contract price \$27,457; and that an agreement be entered into with the Zack Company for the assignment of these other contracts for \$596, which amount is included in the contract price, being the amount bid by that Company for service charge for supervision of other contracts assigned to the contractor for the ventilation work.

Funds for this work are available from a Board appropriation, Medical Research Laboratory, Replacement of Ducts.

A schedule of all bids received is submitted herewith and a copy is being filed with the Secretary of the Board.

I concur.

On motion of Mr. Pogue, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner, Mr. Page.

#### CONTRACTS FOR CONSTRUCTION OF HEATING PLANT AT CONGRESS CIRCLE

(17) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of the following contracts for construction of the Heating Plant at the Congress Circle campus, the award in each case being to the lowest bidder:

General (Division I) — Ragnar Benson, Inc., Chicago.....	\$956 353
Base bid .....	\$969 963
Additive alternate for assignment of plumbing work and ventilating and air-conditioning systems.....	2 500
Deductive alternate for changing basement walls and floor in base bid from construction designed to withstand water pressure to regular construction and added drainage to relieve water pressure.....	— 16 110

Plumbing (Division II) — O'Callaghan Bros., Inc., Chicago.....	23 980
Piping, Miscellaneous Equipment, Thermal Insulation (Division III) — S. J. Reynolds Company, Inc., Cicero.....	497 675
Ventilating and Air-Conditioning Systems (Division IV) — Zack Com- pany, Chicago .....	17 500
Electrical (Division V) — Fischbach, Moore, and Morrissey, Inc., Chi- cago.....	143 300
<i>Total</i> .....	<u>\$1 638 808</u>

It is also recommended that the plumbing contract and the ventilating and air-conditioning systems contract be assigned to the contractor for general work, making the total of his contract \$997,833; and it is further recommended that an agreement be entered into with Ragnar Benson, Inc., Chicago, for the assignment of these other contracts for \$2,500, which amount is included in the contract price, being the amount bid by the Company for service charge for supervision of other contracts assigned to the general contractor.

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released.

Submitted herewith is a supporting report from the Physical Plant Department, including schedules of all bids received, a copy of which is being filed with the Secretary of the Board.

I concur.

On motion of Mr. Swain, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner, Mr. Page.

#### CONGRESS CIRCLE UNION BONDS

(18) Five bids were received at 11:00 a.m. June 18, 1963, in the Illini Center, LaSalle Hotel, Chicago, for the sale of \$6,800,000 of Congress Circle Union Bonds of 1963, Series A. Bids were received at the same time for certain maturities of \$4,000,000 Congress Circle Union Bonds of 1963, Series B, to finance construction of the Congress Circle Union Building and parking lots.

The Vice-President and Comptroller recommends that the Series A bonds be sold to White, Weld, and Company and associates, Chicago, at a price of \$6,759,326, plus accrued interest and at an effective interest rate of 3.50423 per cent; that \$2,780,000 of Series B bonds maturing in 1969 through 1988 be sold to Halsey, Stuart, and Company, Inc., and associates at a price of \$2,780,695, plus accrued interest and at an effective interest rate of 3.48892 per cent. These bids represent the lowest interest cost to the University.

A schedule of all bids received, a copy of which is being filed with the Secretary of the Board for record, is presented.

The Vice-President and Comptroller presents a Loan Agreement [Contract No. H(402)-868] with the Federal Housing and Home Finance Agency and recommends that he be authorized to execute it. In accordance with the provisions of the Loan Agreement, he recommends that \$1,220,000 Series B bonds maturing in 1989 through 1993 be sold to the Housing and Home Finance Agency at par and accrued interest and at an interest rate of 3½ per cent, since no equal or more favorable bid was received for these maturities.

The Vice-President and Comptroller also presents the Congress Circle Union Bond Resolution authorizing \$6,800,000 Congress Circle Union Bonds of 1963, Series A, and \$4,000,000 Congress Circle Union Bonds of 1963, Series B, and recommends its adoption.

He further recommends that the Board (1) authorize the execution of the bonds by A. J. Janata, Secretary of the Board, by facsimile signatures of the President of the Board, and by the facsimile signatures of Frances B. Watkins and Timothy W. Swain, members of the Board, and (2) ratify and confirm all actions taken or to be taken by the officers and members of the Board in connection with the sale and delivery of the bonds to the purchasers indicated above.

I concur in all the foregoing recommendations.

On motion of Mr. Williamson, these recommendations were approved and the Congress Circle Union Bond resolution was adopted

by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner, Mr. Page.

**Resolution Authorizing \$10,800,000 Congress Circle Union Bonds,**

**Series A and B of 1963**

**\$6,800,000 Congress Circle Union Bonds of 1963, Series A**

**\$4,000,000 Congress Circle Union Bonds of 1963, Series B**

A RESOLUTION AUTHORIZING AND PROVIDING FOR THE ISSUANCE OF REVENUE BONDS FOR THE PURPOSE OF PAYING THE COST OF ACQUIRING, CONSTRUCTING, AND EQUIPPING THE CONGRESS CIRCLE UNION BUILDING AND PARKING FACILITIES IN THE CITY OF CHICAGO, ILLINOIS, BY THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS, SETTING FORTH THE TERMS UNDER WHICH SUCH REVENUE BONDS ARE TO BE ISSUED, PROVIDING FOR THE RIGHTS OF THE HOLDERS THEREOF, AND PROVIDING FOR THE ACQUISITION, CONSTRUCTION, AND EQUIPMENT OF SUCH FACILITIES, AND THE MANAGEMENT, MAINTENANCE, IMPROVEMENT, AND OPERATION THEREOF.

WHEREAS, The Board of Trustees of the University of Illinois on due consideration and investigation does now find and determine that it is advisable and necessary and required for the good and benefit of the University of Illinois and the best interests of its students and faculty to construct and equip a Union Building, and to construct parking facilities on the Congress Circle campus of the University. (Said Union Building and parking facilities are hereinafter sometimes called the "building," "facilities" or "Project"); and

WHEREAS, in order to produce the funds necessary to construct and equip said Project it is advantageous to the University and necessary that the University borrow money and issue and sell revenue bonds under the provisions of paragraphs 48.1 through 48.7 of Chapter 144 of the Illinois Revised Statutes, 1961, and all laws amendatory thereof and supplemental thereto;

*Now, Therefore, Be It Resolved* by The Board of Trustees of the University of Illinois:

**ARTICLE ONE**

**DEFINITIONS**

Unless the context otherwise requires, the terms defined in this Article One shall for all purposes of this Resolution and of any resolution supplemental hereto, have the meanings herein specified, the following definitions to be equally applicable both to the singular and plural forms of any of the terms herein defined:

The term "*Authorized Officer*" shall mean the President, Secretary, Treasurer or Comptroller of the Board of Trustees, or any other person authorized by resolution of the Board of Trustees, to perform the act or sign the document in question.

The term "*Board of Trustees*" and the term "*University*" shall mean The Board of Trustees of the University of Illinois, a body corporate, created and established under the laws of the State of Illinois.

The term "*Bonds*" shall mean and include any and all bonds of all series, issued under this Resolution.

The term "*Comptroller*" shall mean the Comptroller of the University or such other person as may at the time be the acting chief fiscal officer of the University.

The terms "*facilities*," "*Project*," and "*building*" shall mean all facilities financed pursuant to this Resolution, the cost of which is paid in whole or in part through the issuance of Bonds.

The term "*fiscal year*" shall mean the twelve month accounting period established by the University for its academic operations, which currently is the period from July 1 through the following June 30.

The term "*Net Income Available for Debt Service*" shall mean at any date as of which the amount thereof is to be determined the sum of

(a) the net income for the preceding fiscal year of all revenue producing facilities pledged for the payment of Bonds; plus

(b) the estimated annual net income of all revenue producing facilities for the account of which Bonds have been issued and delivered but which

are under construction or for which a full fiscal year's operating experience is not available; plus

(c) the estimated annual net income of revenue producing facilities not then completed, the cost of which is to be financed through the proceeds of the sale of additional Bonds at the time proposed to be issued; plus

(d) the net income during the preceding fiscal year from investments of funds in the Congress Circle Union Bond and Interest Sinking Fund Account.

For the purpose of this definition net income shall be determined by deducting from the gross revenues or estimated gross revenues for the period in question (which revenues shall include student service charges for the use of the facilities pledged for the payment of all Bonds then outstanding and then to be issued at an amount adjusted as hereinafter provided) all operating expenses or estimated operating expenses for such period and the amounts required to be credited to the Improvement and Replacement Reserve. Also, for all purposes of this definition, student service charges shall be included in net income at an amount which is based on the reasonable estimate of anticipated student enrollment for the year for which the computation is made, that is to say that in computing Net Income Available for Debt Service for any future year, the amount of student service charges included in gross revenues shall (regardless of actual receipts for any current or preceding fiscal year) be appropriately adjusted for each such year to reflect the reasonable estimate of anticipated student enrollment for each such year but shall assume that such student service charges will remain unchanged from the then current rate per student. Other revenues and operating expenses of facilities to be constructed shall be estimated in writing by an independent consulting engineer. All computations of Net Income Available for Debt Service shall be made by the Comptroller of the University who shall certify thereto, and whose certificate shall be accompanied by a certificate signed by a nationally recognized firm of independent public accountants (which accountant's certificate may state that it is made in reliance on information supplied by the University and that they have made no independent examination of the books and records of the University in connection therewith) stating that they know of no reason why such computation is incorrect.

The term "*operating expenses*" shall mean and include all reasonable expenses of operation and maintenance of the facilities, including without limiting the generality of the foregoing, salaries, wages, cost of materials, supplies, insurance, light, heat, power, reasonable repairs necessary to properly maintain such facilities (including reasonable reserves therefor), taxes (if any), fees and expenses of the depository and paying agents and any expenses required to be paid pursuant to this Resolution but excluding depreciation, provisions for the Improvement and Replacement Reserve hereinafter provided, and all general administrative expenses of the University.

The term "*student service charge*" shall mean any student fee or portion thereof assessed against students enrolled at the Congress Circle campus of the University for the general use of the facilities (whether assessed as a separate charge or as a specific allocation of a multi-purpose fee or charge), but shall not include general student tuitions or student fees assessed for any other purpose.

The term "*owner*" or "*holder*" whenever employed herein with respect to a Bond which shall be registered as to principal or fully registered without coupons shall mean the person, firm or agency in whose name such Bond shall be registered and, whenever employed herein with respect to a coupon Bond which shall not be registered as to principal or a coupon, shall mean the bearer of such Bond or coupon.

The term "*Paying Agent*" shall mean the Continental Illinois National Bank and Trust Company of Chicago or its successors in the City of Chicago, Illinois, and shall also mean the Morgan Guaranty Trust Company of New York or its successors in the Borough of Manhattan and City and State of New York and shall also mean the Bank of America N.T.&S.A. in the City of San Francisco and State of California.

The term "*depository*" and the term "*Registration Agent*" shall mean the Continental Illinois National Bank and Trust Company of Chicago or its successor in the City of Chicago, Illinois.

The term "*Resolution*" shall mean this Resolution as originally adopted or as it may from time to time be supplemented, modified or amended by any resolution supplemental hereto, pursuant to the provisions hereof.



## ARTICLE TWO

AUTHORIZATION, DESIGNATION, FORM, EXECUTION,  
EXCHANGE AND REGISTRATION OF BONDS

SECTION 2.01. *Limitation of Issue and Equality of Bonds.* This resolution shall constitute a continuing agreement to secure the full and final payment in the manner herein provided for the principal and interest on all Bonds which may from time to time be delivered and issued hereunder. The aggregate principal amount of Bonds which may be so delivered and issued hereunder is not limited except as restricted by law or by the provisions hereof. All Bonds at any time issued and outstanding hereunder, regardless of series, shall be equally and ratably secured hereby without preference, priority or distinction.

SECTION 2.02. *Project and Purpose of Initial Issue of Bonds.* The initial project (hereinafter called the "Project") to be acquired, constructed, equipped and completed hereunder is described in a general way as:

1. The Congress Circle Union, consisting of a four-story building and a ten-story building with a connecting link at the three lower floors and located west of Halsted Street near Polk Street in the City of Chicago, Illinois; and
2. Parking lots for approximately 2,400 cars.

The estimated cost of said Project is \$13,460,000, including land, and the estimated cost of each portion of said Project is more fully set forth in the plans and specifications therefor on file with the University Architect.

It is hereby determined that in order to produce the funds necessary to construct and equip the Project, that the University borrow the sum of Ten Million Eight Hundred Thousand Dollars (\$10,800,000) and in evidence thereof to issue its Congress Circle Union Bonds hereunder in said principal amount. It is hereby determined that the cost of the project in excess of the amount to be borrowed can be provided from appropriations made by the General Assembly of the State of Illinois for the construction of buildings on the Congress Circle Campus of the University.

SECTION 2.03. *Terms of Series A and B of 1963 Bonds.* The Bonds to be initially issued hereunder shall be substantially in the form and of the tenor and purport hereinafter set forth and limited to the aggregate principal amount of Ten Million Eight Hundred Thousand Dollars (\$10,800,000) at any one time outstanding, Six Million Eight Hundred Thousand Dollars (\$6,800,000) of which shall be designated "The Board of Trustees of the University of Illinois Congress Circle Union Bonds of 1963, Series A" (hereinafter called "1963 Series A Bonds") and the remaining Four Million Dollars (\$4,000,000) principal amount thereof shall be designated "The Board of Trustees of the University of Illinois Congress Circle Union Bonds of 1963, Series B" (hereinafter called "1963 Series B Bonds").

The Series A Bonds and the Series B Bonds shall be issued as negotiable coupon bonds dated April 1, 1963, registrable as to principal in the denomination of \$5,000 or as fully registered Bonds without coupons, dated as of the interest payment date to which interest was last paid, next preceding the date of issue, unless issued on an interest payment date on which interest was paid, in which case they shall be dated as of the date of issue, or unless issued prior to October 1, 1963, in which case they shall be dated April 1, 1963. Each fully registered Bond without coupons shall be of a single maturity. Fully registered Bonds without coupons shall be numbered in such manner as may be designated by the Comptroller and shall be issued in denominations of \$5,000 or multiples thereof. Bonds shall bear interest from April 1, 1963, payable semi-annually on the first days of April and October in each year until paid, commencing October 1, 1963, at the rates provided below and shall mature in the following amounts on October 1, of the following years:

Maturity Dates	Series A Bonds		Series B Bonds	
	Principal Amount	Interest Rate	Principal Amount	Interest Rate
1969.....	\$ 80,000	5%	\$ 40,000	5%
1970.....	90,000	5%	50,000	5%
1971.....	100,000	5%	50,000	5%
1972.....	110,000	5%	60,000	5%
1973.....	160,000	5%	80,000	3¾%

<i>Maturity Dates</i>	<i>Series A Bonds</i>		<i>Series B Bonds</i>	
	<i>Principal Amount</i>	<i>Interest Rate</i>	<i>Principal Amount</i>	<i>Interest Rate</i>
1974.....	\$ 220,000	5%	\$ 110,000	3½%
1975.....	230,000	5%	120,000	3½%
1976.....	240,000	4½%	130,000	3½%
1977.....	250,000	4½%	140,000	3.40%
1978.....	250,000	4½%	150,000	3.40%
1979.....	260,000	3½%	160,000	3.40%
1980.....	270,000	3½%	160,000	3.40%
1981.....	280,000	3½%	170,000	3.40%
1982.....	290,000	3½%	170,000	3.40%
1983.....	300,000	3½%	180,000	3.40%
1984.....	310,000	3½%	190,000	3.40%
1985.....	330,000	3½%	190,000	3½%
1986.....	340,000	3½%	200,000	3½%
1987.....	350,000	3½%	210,000	3½%
1988.....	360,000	3½%	220,000	3½%
1989.....	370,000	3½%	230,000	3½%
1990.....	380,000	3½%	240,000	3½%
1991.....	400,000	3½%	240,000	3½%
1992.....	410,000	3½%	250,000	3½%
1993.....	420,000	1.20%	260,000	3½%
	<u>\$6,800,000</u>		<u>\$4,000,000</u>	

The 1963 Series A and B Bonds shall be redeemable prior to their maturity at the option of the Board of Trustees, either in whole or in part, on any interest payment date on and after, but not prior to April 1, 1971, solely from surplus monies in the Congress Circle Bond Fund, after the debt service reserve provided in Section 5.02 has been fully established and all provisions of Section 5.02 have been met and all deficiencies made up, in the inverse order in which they mature, at the principal amount thereof, together with interest accrued to the date of redemption plus a premium equal to the following percentages of such principal amount if redeemed during the following periods respectively:

<i>Period of Redemption</i>	<i>Applicable Premium</i>
April 1, 1971 through October 1, 1972.....	3%
April 1, 1973 through October 1, 1977.....	2%
April 1, 1978 through October 1, 1982.....	1%
April 1, 1983 and thereafter without premium.	

The 1963 Series A and B Bonds shall also be redeemable (under circumstances not included in the foregoing paragraph), either in whole or in part, prior to their maturity at the option of the Board of Trustees on any interest payment date on and after, but not prior to April 1, 1973, in inverse order in which they mature, at the principal amount thereof, together with the interest accrued thereon to the date fixed for redemption plus a premium of the following percentages of such principal amount if redeemed during the following periods respectively:

<i>Period of Redemption</i>	<i>Applicable Premium</i>
April 1, 1973 through October 1, 1977.....	3%
April 1, 1978 through October 1, 1982.....	2%
April 1, 1983 through October 1, 1987.....	1%
April 1, 1988 and thereafter without premium.	

SECTION 2.04. *Payment of Principal and Interest.* Both the principal of and the interest on the 1963 Series A and B Bonds shall be payable in any coin or currency which on the respective date of payment of such principal and interest, is legal tender for the payment of debts due the United States of America, at the Continental Illinois National Bank and Trust Company of Chicago, in the City of Chicago, Illinois, or at the Morgan Guaranty Trust Company of New York in the Borough of Manhattan and City and State of New York or at the Bank of America N.T.&S.A. in the City of San Francisco, California.

SECTION 2.05. *Form of Bonds.* The definitive coupon 1963 Series A and B Bonds, the interest coupons to be attached thereto, the form of fully registered

1963 Series A and B Bonds without coupons, the form of registration endorsement to appear on all coupon Bonds, the form of principal payment record and the form of assignment to appear on all fully registered Bonds shall be in substantially the following forms with appropriate insertions, omissions and variations to evidence differences in number, amount, interest rate, maturity and like matters:

(Form of Coupon Bond)  
UNITED STATES OF AMERICA  
STATE OF ILLINOIS  
THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS  
CONGRESS CIRCLE UNION BOND  
Series ..... of 1963

Number..... \$5,000

THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS, a body corporate, created and existing under the laws of the State of Illinois, for value received promises to pay to bearer, but only out of the Congress Circle Union Bond Fund, as hereinafter provided for, and not otherwise, the principal sum of FIVE THOUSAND DOLLARS (\$5,000), on October 1, 19....., and to pay interest on said sum from the date hereof until paid at the rate of ..... per cent (.....%) per annum, payable October 1, 1963, and semiannually thereafter on the first days of April and October in each year until the principal amount hereof has been fully paid. Interest accruing on this bond on and prior to the maturity date hereof shall be payable on presentation and surrender of the interest coupons hereto attached as they subsequently become due, but no interest shall accrue on this bond after the maturity hereof whether by lapse of time, call for redemption, or otherwise unless this bond shall be presented for payment and be not then paid.

Both principal hereof and interest hereon are hereby made payable in any coin or currency which, on the respective dates of payment of such principal and interest, is legal tender for the payment of debts due the United States of America, at the Continental Illinois National Bank and Trust Company of Chicago, in the City of Chicago, Illinois, or at the Morgan Guaranty Trust Company of New York in the Borough of Manhattan and City and State of New York or at the Bank of America N.T.&S.A. in the City of San Francisco, California.

This bond is one of an initial authorized series of ..... Dollars (\$.....) principal amount of Congress Circle Union Bonds of 1963, Series ....., which with the 1963 Series ..... Bonds constitute an issue of Ten Million Eight Hundred Thousand Dollars (\$10,800,000) issued and to be issued pursuant to a Bond Resolution (herein called "Resolution") of The Board of Trustees of the University of Illinois duly adopted June 19, 1963, for the purpose of providing funds for paying the cost of constructing and equipping a Union Building and parking facilities at the University of Illinois at Congress Circle (herein called the "Project") as set forth in the Resolution. Said Resolution, among other things, provides for the issuance of additional bonds pursuant thereto in the manner and upon the terms and conditions more fully set forth therein.

The bonds of this series are redeemable prior to their maturity at the option of the Board of Trustees, either in whole or in part on any interest payment date on or after, but not prior to April 1, 1971, solely from surplus moneys in the Congress Circle Bond Fund, after the debt service reserve provided in Section 5.02 of the Resolution has been fully established and all provisions of Section 5.02 of the Resolution have been met and all deficiencies made up, in the inverse order in which they mature, at the principal amount thereof, together with interest accrued to the date of redemption plus a premium equal to the following percentages of such principal amount if resumed during the following periods respectively:

<i>Period of Redemption</i>	<i>Applicable Premium</i>
April 1, 1971 through October 1, 1972.....	3%
April 1, 1973 through October 1, 1977.....	2%
April 1, 1978 through October 1, 1982.....	1%
April 1, 1983 and thereafter without premium.	

The bonds of this series are also redeemable (under circumstances not included in the foregoing paragraph), either in whole or in part, prior to their

maturity at the option of the Board of Trustees on any interest payment date on and after, but not prior to April 1, 1973, in the inverse order in which they mature, at the principal amount thereof, together with the interest accrued thereon to the date fixed for redemption plus a premium of the following percentages of such principal amount if redeemed during the following periods respectively:

<i>Period of Redemption</i>	<i>Applicable Premium</i>
April 1, 1973 through October 1, 1977.....	3%
April 1, 1978 through October 1, 1982.....	2%
April 1, 1983 through October 1, 1987.....	1%
April 1, 1988 and thereafter without premium.	

Notice of redemption of any or all of said bonds shall be published once a week for two successive calendar weeks, the first such publication to be not less than thirty days prior to the date of redemption, such publication to be made in one daily newspaper printed in the English language and published and of general circulation in the City of Chicago, Illinois, and also in a financial newspaper printed in the English language and published and of general circulation in the Borough of Manhattan, City and State of New York, and when this bond or any of the bonds of such authorized issue shall have been duly called for redemption, interest thereon shall cease from and after the specified redemption date if redemption monies are available for the payment of all bonds called for redemption.

This bond and the series of which it forms a part is issued under the authority of The Board of Trustees of the University of Illinois to issue and sell revenue bonds under the provisions of paragraphs 48.1 through 48.7 of Chapter 144 of the Illinois Revised Statutes, 1961, and all laws amendatory thereof and supplemental thereto and the Resolution above referred to.

This bond is payable, both as to principal and interest, only from the revenues required to be credited to the Congress Circle Union Bond Fund as provided in the Resolution; which revenues are to be derived from (1) the operation of the revenue producing facilities constructed, completed, and equipped with the proceeds of this bond issue and additional bonds which may hereafter be issued pursuant to the Resolution, (2) the operation of any other revenue producing facilities which may subsequently be pledged pursuant to any supplemental resolution creating or authorizing additional bonds to be issued pursuant to the Resolution and (3) student service charges (as defined in the Resolution) for the use of the facilities. This bond and the series of which it forms a part do not constitute an indebtedness of said University of Illinois, The Board of Trustees of the University of Illinois, or the State of Illinois within any constitutional or statutory limitation, and neither the taxing power nor the general credit of said University, of said Board of Trustees, or the State of Illinois is pledged to the payment of this bond or the interest thereon.

This bond shall pass by delivery unless it is registered as to principal in the name of the holder on the books of registration of said University kept at the office of the Registration Agent in the City of Chicago, Illinois, such registration to be noted on the back hereof. After such registration no transfer hereof shall be valid unless made on such books by the registered holder in person or by attorney duly authorized in writing and similarly noted hereon, but this bond may be transferred in like manner to bearer, and thereupon transferability by delivery shall be restored and it may again from time to time be registered or transferred to bearer as before. Such registration, however, shall not restrict the negotiability of the coupons hereto appertaining, but such coupons shall be transferable by delivery merely and payable to the bearer thereof.

Subject to the provisions for registration and transfer, this bond and all other bonds of this issue shall have all of the qualities of negotiable instruments, and during such time as this bond is payable to bearer, the same and each of the coupons hereto appertaining may be negotiated by delivery by any person having possession thereof, and any holder who shall have taken this bond while so payable to bearer or any of said coupons from any person for value and without notice shall thereby acquire absolute title to this bond or to such coupons, as the case may be, free of any defenses enforceable against any prior holder and free from all equities and claims of ownership of any such prior holder, and The Board of Trustees of the University of Illinois, any paying agent, the Registration Agent and any other person may deem and treat the bearer of this bond, or, if registered, the person in whose name it is registered, and the bearer of any

interest coupons appertaining hereto as the absolute owner hereof for all purposes and shall not be affected by any notice to the contrary whether this bond or any coupon appertaining thereto be overdue or not.

The bonds of this series are issuable as coupon bonds registrable as to principal only in the denomination of \$5,000 and as registered bonds without coupons in the denomination of \$5,000 or a multiple thereof. Each fully registered bond without coupons shall be of a single maturity. The coupon bonds and the registered bonds without coupons are interchangeable for bonds of the same interest rate and maturity upon presentation thereof for such purpose by the holder or registered owner at the office of the Registration Agent in the City of Chicago, Illinois, and upon payment of charges and otherwise as provided in the Resolution.

The rights and obligations of the University and of the holders of the bonds may be modified or amended at any time with the consent of The Board of Trustees of the University of Illinois and of the holders of sixty-six and two-thirds per cent (66 $\frac{2}{3}$ %) in principal amount of outstanding bonds in the manner, to the extent, and upon the terms and conditions provided in the Resolution; provided that no such modification or amendment shall (i) extend the maturity of or reduce the interest rate on or otherwise alter or impair the obligation of the University to pay the principal, interest or redemption premiums at the time and place and at the rate and in the currency provided therein of any bond without the expressed consent of the holder or (ii) permit the creation of any mortgage or pledge or lien on the facilities, or upon any income therefrom or other funds pledged or held under the Resolution, except as permitted by the Resolution, other than the lien and pledge created thereunder, or (iii) permit the creation by The Board of Trustees of the University of Illinois of any preference or priority of any bond or bonds over any other bond or bonds or coupon or coupons over any other coupon or coupons or (iv) reduce the percentage in principal amount of bonds required for the affirmative vote or written consent to an amendment or modification without the consent of the holder of this bond; all as more fully set forth in the Resolution.

The Board of Trustees of the University of Illinois hereby covenants with the holder of this bond that it will keep and perform all the covenants and agreements in the Resolution adopted by it, authorizing the issuance of this bond and the series of which it forms a part, and hereby irrevocably obligates itself to administer the said income and revenue derived from the operation of said facilities, as provided for in and by said Resolution, and to establish from time to time rules, rents, student service charges and other charges for the use of said facilities and to maintain and collect rents and student service charges and other charges sufficient to pay the reasonable cost of operating and maintaining said facilities, and pay the principal of and interest upon all bonds which by their terms are payable from such revenues, until all of such bonds have been paid in full, both as to principal and interest.

It is hereby certified and recited and declared that all acts, conditions, and things required to exist, to happen, and to be performed, precedent to and in the issuance of this bond, have existed, have happened, and have been performed in due form, time, and manner, as required by law and the applicable resolutions of The Board of Trustees of the University of Illinois, and that provision has been made for setting aside the income and revenue to be derived from the operation of said facilities to be applied in the manner hereinabove set forth.

IN WITNESS WHEREOF, The Board of Trustees of the University of Illinois has caused this bond to be executed by the facsimile signatures of its President and two of its members, the corporate seal of the University of Illinois to be hereto affixed (or a facsimile thereof to be reproduced hereon), and attested by its Secretary, and has caused the interest coupons hereto attached to be executed by the facsimile signatures of said President and Secretary, and this bond to be dated as of the 1st day of April, 1963.

THE BOARD OF TRUSTEES OF THE  
UNIVERSITY OF ILLINOIS

Attest: .....

*Secretary*

By .....

*President*

.....  
*Member*

.....  
*Member*

## (Form of Interest Coupon)

Number..... \$.....

On the first day of ....., 19..... (unless the bond to which this coupon is attached has theretofore been called for payment and payment made or provided for), The Board of Trustees of the University of Illinois will pay to bearer on surrender hereof, solely out of the fund specified in the bond to which this coupon is attached, the sum of .....

Dollars (\$.....) in any coin or currency which, on the respective dates of payment of such principal and interest is legal tender for the payment of debts due the United States of America, at the Continental Illinois National Bank and Trust Company of Chicago, in the City of Chicago, Illinois, or at the option of the holder at the Morgan Guaranty Trust Company of New York in the Borough of Manhattan and City and State of New York, or at the Bank of America N.T.&S.A. in the City of San Francisco, California, as provided in the Congress Circle Union Bond of 1963, Series ....., dated April 1, 1963, Number .....

Secretary

President

## (Form for Registration of Coupon Bond)

Date of  
RegistrationName of  
Registered OwnerSignature of  
Registrar

.....  
.....  
.....

## (Form of Registered Bond Without Coupons)

UNITED STATES OF AMERICA

STATE OF ILLINOIS

THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS  
CONGRESS CIRCLE UNION BOND

Series ..... of 1963

No..... \$.....

The Board of Trustees of the University of Illinois, a body corporate, created and existing under the laws of the State of Illinois, for value received promises to pay (but only out of the Congress Circle Union Bond Fund as hereinafter provided for, and not otherwise) to .....

..... or registered assigns, on October 1, 19....., the principal sum of ..... Dollars (\$.....) and to pay interest thereon (which shall be paid by check or draft mailed to the registered owner at his address as it appears on the bond registration books of the University), at the rate of ..... per cent (.....%) per annum, payable October 1, 1963, and semiannually thereafter on the first days of April and October in each year from the date hereof until the principal amount hereof has been fully paid.

Both principal hereof and interest hereon are made payable in any coin or currency which on the respective dates of payment of such principal and interest is legal tender for the payment of debts due the United States of America, at the Continental Illinois National Bank and Trust Company of Chicago, in the City of Chicago, Illinois, or at the Morgan Guaranty Trust Company of New York in the Borough of Manhattan and City and State of New York or at the Bank of America N.T.&S.A. in the City of San Francisco, California.

This bond is one of an initial authorized series of ..... principal amount of Congress Circle Union Bonds of 1963, Series ....., which with the 1963 Series ..... Bonds constitute an issue of Ten Million Eight Hundred Thousand Dollars (\$10,800,000), issued and to be issued pursuant to a Bond Resolution (herein called "Resolution") of The Board of Trustees of the University of Illinois duly adopted June 19, 1963, for the purpose of providing funds for paying the cost of constructing and equipping a Union Building and parking facilities at the University of Illinois at Congress Circle (herein called the "Project") as set forth in the Resolution. Said Resolution, among other things, provides for the issuance of additional bonds

pursuant thereto in the manner and upon the terms and conditions more fully set forth therein.

The bonds of this series are redeemable prior to their maturity at the option of the Board of Trustees, either in whole or in part on any interest payment date on and after, but not prior to April 1, 1971, solely from surplus moneys in the Congress Circle Bond Fund, after the debt service reserve provided in Section 5.02 of the Resolution has been fully established and all provisions of Section 5.02 of the Resolution have been met and all deficiencies made up, in the inverse order in which they mature, at the principal amount thereof, together with interest accrued to the date of redemption plus a premium equal to the following percentages of such principal amount if redeemed during the following periods respectively:

<i>Period of Redemption</i>	<i>Applicable Premium</i>
April 1, 1971 through October 1, 1972.....	3%
April 1, 1973 through October 1, 1977.....	2%
April 1, 1978 through October 1, 1982.....	1%
April 1, 1983 and thereafter without premium.	

The bonds of this series are also redeemable (under circumstances not included in the foregoing paragraph), either in whole or in part, prior to their maturity at the option of the Board of Trustees on any interest payment date on and after, but not prior to April 1, 1973, in the inverse order in which they mature, at the principal amount thereof, together with the interest accrued thereon to the date fixed for redemption plus a premium of the following percentages of such principal amount if redeemed during the following periods respectively:

<i>Period of Redemption</i>	<i>Applicable Premium</i>
April 1, 1973 through October 1, 1977.....	3%
April 1, 1978 through October 1, 1982.....	2%
April 1, 1983 through October 1, 1987.....	1%
April 1, 1988 and thereafter without premium.	

Notice of redemption of any or all of said bonds shall be published once a week for two successive calendar weeks, the first such publication to be not less than thirty days prior to the date of redemption, such publication to be made in one daily newspaper printed in the English language and published and of general circulation in the City of Chicago, Illinois, and also in a financial newspaper printed in the English language and published and of general circulation in the Borough of Manhattan, City and State of New York, and when this bond or any of the bonds of such authorized issue shall have been duly called for redemption, interest thereon shall cease from and after the specified redemption date if redemption monies are available for the payment of all bonds called for redemption.

This bond and the series of which it forms a part is issued under the authority of The Board of Trustees of the University of Illinois to issue and sell revenue bonds under the provisions of paragraphs 48.1 through 48.7 of Chapter 144 of the Illinois Revised Statutes, 1961, and all laws amendatory thereof and supplemental thereto and the Resolution above referred to.

This bond is payable, both as to principal and interest, only from the revenues required to be credited to the Congress Circle Union Bond Fund as provided in the Resolution; which revenues are to be derived from (1) the operation of the revenue producing facilities constructed, completed and equipped with the proceeds of this bond issue and additional bonds which may hereafter be issued pursuant to the Resolution, (2) the operation of any other revenue producing facilities which may subsequently be pledged pursuant to any supplemental resolution creating or authorizing additional bonds to be issued pursuant to the Resolution and (3) student service charges (as defined in the Resolution) for the use of the facilities. This bond and the series of which it forms a part do not constitute an indebtedness of said University of Illinois, The Board of Trustees of the University of Illinois, or the State of Illinois within any constitutional or statutory limitation, and neither the taxing power nor the general credit of said University, or said Board of Trustees, or the State of Illinois is pledged to the payment of this bond or the interest thereon.

Subject to the provisions for registration and transfer contained herein and in the Resolution, this bond and all other bonds of this issue shall have all of the

qualities of negotiable instruments, and shall be transferable by the registered owner at the office of the Registration Agent in the City of Chicago, Illinois, upon surrender and cancellation of this bond and thereupon coupon bonds or a new registered bond without coupons of the same principal amount, interest rate and maturity will be issued to the transferee as provided in the Resolution. The Board of Trustees of the University of Illinois, any paying agent, the Registration Agent and any other person may treat the person in whose name this bond is registered as the absolute owner hereof for the purpose of receiving payment and for all other purposes and shall not be affected by any notice to the contrary whether this bond be overdue or not.

The bonds of this series are issuable as coupon bonds registrable as to principal only in the denomination of \$5,000 and as registered bonds without coupons in the denomination of \$5,000 or a multiple thereof. Each fully registered bond without coupons shall be of a single maturity. The coupon bonds and the registered bonds without coupons are interchangeable for bonds of the same interest rate and maturity upon presentation thereof for such purpose by the holder or registered owner at the office of the Registration Agent in the City of Chicago, Illinois, and upon payment of charges and otherwise as provided in the Resolution.

The rights and obligations of the University and of the holders of the bonds may be modified or amended at any time with the consent of The Board of Trustees of the University of Illinois and of the holders of sixty-six and two-thirds per cent ( $66\frac{2}{3}\%$ ) in principal amount of outstanding bonds in the manner, to the extent, and upon the terms and conditions provided in the Resolution; provided that no such modification or amendment shall (i) extend the maturity of or reduce the interest rate on or otherwise alter or impair the obligation of the University to pay the principal, interest or redemption premiums at the time and place and at the rate and in the currency provided therein of any bond without the express consent of the holder or (ii) permit the creation of any mortgage or pledge or lien on the facilities, or upon any income therefrom or other funds pledged or held under the Resolution, except as permitted by the Resolution, other than the lien and pledge created thereunder, or (iii) permit the creation by The Board of Trustees of the University of Illinois of any preference or priority of any bond or bonds over any other bond or bonds or coupon or coupons over any other coupon or coupons or (iv) reduce the percentage of principal amount of bonds required for the affirmative vote or written consent to an amendment or modification without the consent of the holder of this bond; all as more fully set forth in the Resolution.

The Board of Trustees of the University of Illinois hereby covenants with the holder of this bond that it will keep and perform all the covenants and agreements in the Resolution adopted by it, authorizing the issuance of this bond and the series of which it forms a part, and hereby irrevocably obligates itself to administer the said income and revenue derived from the operation of said facilities, as provided for in and by said Resolution, and to establish from time to time rules, rents, student service charges and other charges for the use of said facilities and to maintain and collect rents and student service charges and other charges sufficient to pay the reasonable cost of operating and maintaining said facilities, and pay the principal of and interest upon all revenue bonds which by their terms are payable from such revenues, until all of such bonds have been paid in full, both as to principal and interest.

It is hereby certified and recited and declared that all acts, conditions, and things required to exist, to happen, and to be performed, precedent to and in the issuance of this bond, have existed, have happened, and have been performed in due form, time, and manner, as required by law and the applicable resolutions of The Board of Trustees of the University of Illinois, and that provision has been made for setting aside the income and revenue to be derived from the operation of said facilities to be applied in the manner hereinabove set forth.

IN WITNESS WHEREOF, The Board of Trustees of the University of Illinois has caused this bond to be executed by the facsimile signature of its President and two of its members, the corporate seal of the University of Illinois to be hereto affixed (or a facsimile thereof to be reproduced hereon), and attested by its Secretary, and this bond to be dated as of the 1st day of \_\_\_\_\_, 19 \_\_\_\_\_.



THE BOARD OF TRUSTEES OF THE  
UNIVERSITY OF ILLINOIS

Attest: _____	By _____
<i>Secretary</i>	<i>President</i>
_____	_____
<i>Member</i>	<i>Member</i>

(Form of Assignment of Registered Bonds Without Coupons)

For Value Received \_\_\_\_\_  
hereby sell, assign and transfer unto \_\_\_\_\_

the within mentioned bond together with accrued interest thereon, and all right, title and interest thereto and hereby irrevocably constitute and appoint \_\_\_\_\_, attorney to transfer the same on the books of Registration of the University, with full power of substitution in the premises.

Dated: \_\_\_\_\_

Witness: \_\_\_\_\_

NOTE: The signature to this Assignment must correspond with the name as written on the face of the within bond in every particular, without alteration or enlargement or any change whatsoever except when the registered owner is a governmental agency, in which case it may be executed in the name of any successor.

SECTION 2.06. *Bonds of Additional Series.* Subject to the conditions and limitations set forth in Article Four hereof and provided that the University shall not at the time be in default under any of the terms, covenants or provisions of this Resolution, additional Bonds of equal rank with the 1963 Series A and B Bonds may be issued from time to time under this Resolution having such maturities, providing for the payment of such rates of interest and having such other characteristics as shall be determined by the Board of Trustees and set forth in a resolution to be supplemental hereto; provided, however, that each issue of additional Bonds, when so issued, shall be differentiated from all previous issues by appropriate designation inscribed thereon.

SECTION 2.07. *Execution of Bonds.* All of the Bonds shall be executed by the facsimile signatures of the President and any two members of the Board of Trustees and shall have the seal of the University affixed thereto (or a facsimile thereof to be reproduced thereon) and shall be attested by the Secretary of the Board of Trustees, the coupons to be attached to the Bonds shall bear the facsimile signatures of the President and Secretary of the Board of Trustees.

In case any person who shall have signed, sealed or attested any Bond issuable under this Resolution as an officer or member of the Board of Trustees, shall have ceased to be such officer or member before the Bond so signed, sealed or attested shall have been actually delivered, such Bond nevertheless may be delivered and issued as though the person who signed, sealed or attested such Bond had not ceased to be such officer or member of the Board of Trustees.

Any Bond issuable hereunder may be signed, sealed or attested on behalf of the Board of Trustees by any person who at the actual date of execution of such Bond is the proper person, although at the date of such Bond such person shall not have been an officer or member of the Board of Trustees.

SECTION 2.08. *Registration and Transfer of Bonds.* The University shall keep at the office of the Registration Agent in Chicago, Illinois, books for the registration and transfer of Bonds issued hereunder, which, at all reasonable times, shall be open for inspection by the holder of any Bond issued hereunder, and upon presentation for the purpose at such office, the University will register or transfer or cause to be registered or transferred herein, as hereinafter provided, and under such reasonable regulations as it may prescribe, any Bonds issued under this Resolution and entitled to be so registered or transferred.

The holder of any coupon Bond issued hereunder may have the ownership of the principal thereof registered on said books of the University at the office of the Registration Agent in Chicago, Illinois, and such registration shall be noted on the Bond. After such registration no transfer shall be valid unless made on

the said books by the registered owner in person, or by his duly authorized attorney, and similarly noted on the Bond; but the same may be discharged from registration by being in like manner transferred to bearer, and thereupon transferability by delivery shall be restored; and such Bond may again, from time to time, be registered or transferred to bearer as before. Such registration, however, shall not affect the transferability of the coupons, but every such coupon shall continue to be transferable by delivery merely, and shall remain payable to bearer. The University shall make no charge for such registrations and discharges from registration.

Any registered Bond without coupons may be transferred at the office of the Registration Agent in the City of Chicago, Illinois, by surrender of such Bond for cancellation, accompanied by delivery of a written instrument of transfer in form approved by the Comptroller, duly executed by the registered owner of such Bond or his duly authorized attorney, and thereupon the University shall issue in the name of the transferee or transferees a new registered Bond or Bonds of like form and maturity and for a like aggregate principal sum.

A registered Bond without coupons, upon request of the registered owner, may be exchanged at said office of the Registration Agent for several such Bonds, of like form and maturity but of lesser authorized denominations, in the same name and for a like aggregate principal sum, and several registered Bonds without coupons, in the same name, may, upon request of the registered owner, be exchanged at such office or agency for one registered Bond without coupons or several such Bonds, of like form and maturity, but of greater authorized denominations and for the same aggregate principal sum.

Whenever any coupon Bonds in aggregate principal amount equal to one or more registered Bonds without coupons of authorized denominations, with all unmatured coupons thereto attached, shall be surrendered at such office for exchange for a registered Bond or Bonds without coupons, the University shall issue, and, in exchange for such coupon Bonds, shall deliver registered Bonds, or one registered Bond, of authorized denominations without coupons, of the same maturity and for a like aggregate principal sum.

Whenever any registered Bond without coupons shall be surrendered for cancellation, accompanied by delivery of a written instrument or transfer in a form approved by the Comptroller, duly executed by the registered owner of such Bond or his duly authorized attorney, at the office of the Registration Agent in the City of Chicago, Illinois, for exchange for coupon Bonds, the University shall issue, and, in exchange for such registered Bond, shall deliver coupon Bonds for a like aggregate principal sum and like maturity, with coupons thereto attached representing interest from the interest payment date on which interest was last paid on such registered Bond without coupons.

As to all registered Bonds without coupons and all coupon Bonds registered as to principal, the person in whose name the same shall be registered shall be deemed and regarded as the owner thereof, for all purposes, and thereafter payment of or on account of the principal of such Bond, if it be a registered coupon Bond, and of the principal and interest, if it be a registered Bond without coupons, shall be made only to such registered owner thereof but such registration may be changed as above provided. All such payments shall be valid and effectual to satisfy and discharge the liability upon such Bonds to the extent of the sum or sums so paid. The University may deem and treat the bearer of any coupon Bond which shall not at the time be registered as to principal, and the bearer of any coupons for interest on such Bond, whether such Bond shall be registered or not, as the absolute owner of such Bond or coupon for the purpose of receiving payment thereof, and for all other purposes whatsoever, and the University shall not be affected by any notice to the contrary whether the Bond or coupon be overdue or not.

In every case of exchange or transfer of Bonds under this Section, the surrendered Bond or Bonds shall be presented to the University for cancellation.

Upon every such exchange of coupon Bonds for registered Bonds, without coupons, or of registered Bonds without coupons for coupon Bonds or for other registered Bonds without coupons, and upon any transfer of registered Bonds without coupons, the University, except as otherwise provided in any agreement between the University and any original purchaser of Bonds, may require the payment of such charge therefor as it may deem proper, not exceeding Two Dollars (\$2.00) plus actual expenses, including printing costs of new bonds, in-

current in connection therewith for each Bond issued upon such exchange, payment of which, together with any taxes or other governmental charges required to be paid with respect to such exchange or transfer, shall be made by the party requesting such exchange or transfer as a condition precedent thereto.

The University shall not be required to make exchanges or transfers of bonds as provided in this Section 2.08 during a period of ten (10) days next preceding any interest payment date, or for the period of ten (10) days next preceding the first publication of notice of redemption of any Bond or at any time of any Bonds which have theretofore been duly called for redemption.

**SECTION 2.09. *Lost, Stolen, Destroyed or Mutilated Bonds.*** Upon the receipt by the University of evidence satisfactory to it of the loss, theft, destruction or mutilation of any outstanding Bond hereby secured, and of indemnity satisfactory to it, and upon surrender and cancellation of such Bond if mutilated, the University may execute and deliver, upon the lapse of such period of time as they may deem advisable, a new Bond of like tenor and maturity bearing the same or a different serial number, to be issued in lieu of such lost, stolen, destroyed or mutilated Bond. Such new Bond may bear such endorsement as may be prescribed by the University and which at the time is necessary to conform to the requirements of any securities exchange or of any governmental body having jurisdiction. The University may require the payment of a sum not exceeding Two Dollars (\$2.00) for each new Bond issued under this Section 2.09, plus expenses, including printing costs of new bonds, which may be incurred by the University in the premises.

**SECTION 2.10. *Registration Agent.*** The depository in the City of Chicago, Illinois, is hereby appointed as the Registration Agent for the purpose of registering, transferring and exchanging the Bonds as in this Resolution provided and the University agrees to take all legal action necessary or proper to constitute said depository as the Registration Agent hereunder.

### ARTICLE THREE

#### REDEMPTION OF BONDS

**SECTION 3.01. *Publication of Notice.*** Whenever the University shall determine to exercise its right to redeem any Bonds issued hereunder and by their terms subject to redemption, notice of such redemption shall be published by the University in one daily newspaper printed in the English language and published and of general circulation in the City of Chicago, Illinois, and in a financial newspaper printed in the English language and published and of general circulation in the Borough of Manhattan, in the City and State of New York, not less than 30 days prior to such redemption date. Such notice shall (a) designate the time and place of such redemption; (b) if the Bonds to be redeemed are less than all of the Bonds of any series or maturity, designate the numbers, the maturity date or dates and the aggregate principal amount of such Bonds; and (c) state that on the designated date of redemption such Bonds will be redeemed by payment of the principal amount thereof (or for the portion thereof to be redeemed) and all unpaid interest accrued thereon to the date of redemption plus the applicable premium, if any, and that from and after such designated redemption date interest in respect of the Bonds (or portions thereof) so called for redemption shall cease. A copy of said notice shall be mailed by the University, postage prepaid, at least 30 days prior to the redemption date to all registered owners of Bonds so to be redeemed at their last addresses appearing on the registration books of the University, but such mailing shall not be a condition precedent to the validity of the redemption of any Bond.

In case any fully registered Bonds are to be redeemed in part only, said notice shall specify the respective portions of the principal amounts thereof to be redeemed (which shall be \$5,000 or any multiple thereof) and shall state that payment of the redemption price shall, except as hereinafter specifically provided, be made only upon presentation of such fully registered Bonds for surrender in exchange for a coupon Bond or Bonds or a fully registered Bond or Bonds of the same series and maturity, of authorized denominations in aggregate principal amount equal to the unredeemed portion of the principal amount thereof; and in such case, if coupon Bonds or fully registered Bonds are so to be delivered in exchange, the University shall execute and deliver to or upon the written order of the registered owner of any fully registered Bonds, a portion only of which is to

be redeemed, and at the expense of the University, a new Bond or Bonds of the same series and maturity for the principal amount of the surrendered fully registered Bond less the principal amount thereof paid on surrender.

In the event of the payment of a portion of the principal amount of any fully registered Bond registered in the name of any initial purchaser in whose name Bonds of that series were first registered and named in a written order of an Authorized Officer filed with the depository and stating that the provisions of this paragraph shall be applicable thereto, or registered in the name of any subsequent holder for the benefit of whom University shall elect that the provisions of this paragraph shall be applicable thereto (which election shall be subject to the condition that such subsequent holder shall first agree not to make any sale or transfer of any Bond or Bonds registered in its name without presentation of such Bond or Bonds for transfer and exchange), then in such event the University shall make payment to such Bond holder without requiring presentation of such Bond and, in lieu of delivering a new Bond or Bonds of an aggregate principal amount equal to the unredeemed portion of the principal amount of such Bond, the University shall, in its letter transmitting payment to such Bond holder, instruct such holder to endorse such payment on such Bond and a written representation from such holder to the University that such payment has been so endorsed shall be conclusive evidence of such endorsement and payment.

SECTION 3.02. *Pro Rata Redemption Among Series.* In any case of the redemption at the option of the University of less than all of the outstanding Bonds then subject to redemption, no Bonds of any series may be redeemed unless Bonds of each other series then subject to redemption are redeemed at the same time in proportion to the amount of each such Series originally issued; provided, however, that in any case of the redemption of all of the outstanding Bonds of any one or more series, as a result of or in anticipation of the refunding or refinancing of one or more such series by the application of funds derived from other borrowings or the issuance of additional Bonds hereunder, no Bonds of any other series need be redeemed unless so required in the resolution supplemental hereto, creating or authorizing any additional series of Bonds. Nothing in this section shall be deemed to restrict the redemption by the University of a portion of the Bonds of any Series out of surplus funds remaining in a Construction Fund Account held for the account of Bonds of such series in any case where the University is required or permitted to redeem such Bonds out of such surplus funds.

SECTION 3.03. *Selection of Bonds for Redemption.* In case the University shall have elected to redeem less than all of the outstanding Bonds of a single series and maturity, the Bonds to be redeemed shall be selected by lot except as herein otherwise expressly provided. In each such instance the University shall, at least five days before the date upon which the first publication of the notice of redemption hereinbefore mentioned is required to be made (or the mailing of such notice in case no publication is required as hereinafter specified), draw by lot, from the outstanding Bonds of such series and maturity, in any manner deemed by it proper, the identifying numbers of the Bonds to be redeemed. In any such selection by lot each Bond of a denomination in excess of \$5,000 shall be given a separate number for each \$5,000 of the principal amount thereof.

SECTION 3.04. *Deposit of Funds for Redemption.* Said notice having been given, as above provided, the Bonds designated for redemption shall, on the date specified in such notice, become due and payable, at the then applicable redemption price, and on or before the day preceding the date fixed for redemption the University shall deposit with the Continental Illinois National Bank and Trust Company of Chicago, or its successor in the City of Chicago, Illinois, as depository, the redemption price of the Bonds called for redemption and accrued interest thereon to the date fixed for redemption. Upon such deposit having been made and on presentation, if required, of such Bonds in accordance with such notice at the place at which the same are expressed in such notice to be redeemable, with all appertaining coupons, if any, maturing after said redemption date, such Bonds shall forthwith after the making of such deposit be paid by the depository, on behalf of the University, at such redemption price. Such payment of the redemption price shall be made to the bearer of any such Bonds, unless it shall then be registered, in which case such payment shall be made to the registered owner. All unpaid interest installments represented by coupons which

shall have matured on or prior to the date of redemption specified in such notice, shall continue to be payable to the bearers, severally and respectively, and the redemption price payable to the holders of Bonds presented for redemption shall not include such unpaid installments of interest unless coupons representing such installments shall be attached to the Bonds presented for redemption.

SECTION 3.05. *Effect of Redemption.* If the amount necessary to redeem all of the Bonds called for redemption as aforesaid shall have been deposited with the paying agent, for the account of the holder or holders of such Bonds on or before the day preceding the date specified for such redemption, and the notice hereinbefore mentioned shall have been duly given, and all charges and expenses of the paying agent in connection with such redemption, or otherwise hereunder, shall have been fully paid or provided for, the University shall be privileged to consider such Bonds redeemed from the holder or holders thereof, and interest on such Bonds shall cease on the date specified for such redemption, and the University shall thereupon (subject to the provisions of Article Ten hereof) be discharged from and after the redemption date specified in such notice from further liability in respect of the Bonds so called for redemption, and thereafter such Bonds shall not be entitled to any benefit of or from this Resolution. In case any question shall arise as to whether any such notice shall have been sufficiently given, or such redemption effected, such question shall be decided by the paying agent, and the decision of the paying agent shall be final and binding upon all parties in interest. No holder of any Bond shall be entitled to any interest on money deposited for the redemption of Bonds.

SECTION 3.06. *Cancellation of Bonds.* All Bonds redeemed and paid, as provided in this Article Three, shall, together with all coupons appertaining thereto, if any, be cancelled by the University and no Bonds or coupons so redeemed shall be reissued, nor shall any Bonds or coupons be issued in lieu thereof.

## ARTICLE FOUR

### ISSUANCE OF BONDS

SECTION 4.01. *Issuance of 1963 Series A and B Bonds.* Series A Bonds in the principal amount of Six Million Eight Hundred Thousand Dollars (\$6,800,000) and Series B Bonds in the amount of Four Million Dollars (\$4,000,000) shall be executed on behalf of the Board of Trustees and delivered to or upon the written order of the Comptroller.

SECTION 4.02. *Issuance of Additional Bonds.* Subject to the conditions and limitations hereinafter set forth and provided the University shall not at the time be in default under any of the terms, covenants or provisions of this Resolution, additional Bonds of equal rank with the 1963 Series A and B Bonds may be issued from time to time under the terms of this Resolution having such maturities, providing for the payment of such rates of interest and having such other characteristics as shall be determined by the Board of Trustees and set forth in a resolution to be supplemental hereto; *provided* such additional Bonds shall be issued only for one or more of the following purposes:

A. To provide funds necessary to pay the cost of completing the Project herein provided for in accordance with the plans and specifications now on file in the office of the Physical Plant Department, Navy Pier, Chicago, Illinois; or

B. Paying the cost of equipping, enlarging or improving the Project, provided that no Bonds may be issued for paying the cost of enlargements or improvements which would increase the size of the Congress Circle Union Building (as measured in gross square feet of floor space) by more than twenty-five per cent (25%); or

C. Paying the cost of construction or improvement of parking lots or parking structures for the Congress Circle campus;

*provided further* that the following conditions precedent are complied with at or prior to the time of issuance of such additional Bonds:

(i) In the event additional Bonds are issued for the purposes indicated in clause A above to provide additional funds necessary to pay the cost of completing the Project, the Architects employed by the University for the construction of said Project have submitted a certificate to the Board of Trustees setting forth an itemized statement of the work completed to the

date of said certificate, the cost thereof and an itemized statement of the work yet to be completed and the estimated cost of the work to be completed and such certificate of estimate shall be presented to and approved by said Board of Trustees preceding the adoption of any resolution authorizing the issuance of additional Bonds for such purpose, and

(ii) In the event additional Bonds are issued for the purpose of paying the cost of equipping, enlarging or improving the Project as provided in clause B and/or C above, the Net Income Available for Debt Service shall be equal to or greater than one and thirty-five hundredths (1.35) times the amount to become due in each succeeding fiscal year for the payment of principal and interest on the Bonds then outstanding hereunder and the Bonds then to be issued; provided that for any bonds issued prior to January 1, 1974, the income from student service charges shall not be based upon fall term student enrollments greater than 8,200 in 1965, 9,500 in 1966, 14,000 in 1967, 16,200 in 1968, 17,600 in 1969, 18,700 in 1970, 19,000 in 1971, 19,700 in 1972 and 20,000 in 1973 and each year thereafter, except that the most recent fall term enrollment figure may be substituted for the enrollment estimate for any year or years.

All such additional Bonds shall be issued pursuant to a resolution supplemental hereto, duly adopted by the Board of Trustees, setting forth the form of such additional Bonds and the terms and conditions applicable thereto. For the purpose of this Section any computation of Net Income Available for Debt Service prepared and certified by the Comptroller, setting forth in detail the computation thereof and demonstrating that it is equal to or greater than the amount required above shall be binding and conclusive upon the Board of Trustees and the holders of all Bonds then outstanding hereunder and then to be issued.

## ARTICLE FIVE

### PROVISIONS RELATING TO INCOME AND APPLICATION THEREOF

SECTION 5.01. *Congress Circle Union Bond Fund.* All revenues derived from the following sources are hereby pledged and shall be held in trust for the benefit of the Bond holders for the purpose of making the payments or deposits required to be made under subsections (a), (b) and (c) of Section 5.02 of this Resolution:

- (1) the operation of the Project,
- (2) the operation of any other revenue producing facilities for the account of which additional Bonds may hereafter be issued; and
- (3) student service charges;

and such revenues shall be deposited as collected in a general banking account of the University to the credit of a special fund which is hereby created and designated as the "Congress Circle Union Bond Fund" said account to be maintained in a bank which is a member of the Federal Deposit Insurance Corporation and the Board of Trustees covenants that all revenues, income, receipts, profits, rates, rents or charges derived from the operation of such facilities shall be so credited within three working days after receipt in the Congress Circle Union Bond Fund and shall be used as provided in Section 5.02 hereof.

SECTION 5.02. *Disposition of Congress Circle Union Bond Fund.* The funds in the Congress Circle Union Bond Fund shall be used in the manner and in the order hereinafter mentioned:

(a) Funds in the Congress Circle Union Bond Fund representing revenues derived from student service charges shall first be used for the purpose of making the next succeeding deposit in the Bond and Interest Sinking Fund Account required to be made pursuant to subsection (b) below. All funds representing revenues derived from sources other than student service charges together with student service charges, if any, remaining after making the deposit in the Bond and Interest Sinking Fund of all amounts required to meet the next succeeding deposit required to be made by subsection (b) below, shall first be used to pay all current operating expenses and thereafter for the purposes specified in subsections (b), (c) and (d) below.

(b) There is hereby created an account to be designated the Congress Circle Union Bond and Interest Sinking Fund Account (herein sometimes called the "Bond and Interest Sinking Fund Account"), which shall be main-

tained with the Continental Illinois National Bank and Trust Company of Chicago or its successor in the City of Chicago, Illinois, which bank is hereby designated as the depository for said account. The University shall deposit in said Bond and Interest Sinking Fund Account on or before March 1 and September 1 of each year a sum not less than one hundred thirty-five per cent (135%) of the interest becoming due on the next semiannual interest payment date plus sixty-seven and one-half per cent ( $67\frac{1}{2}\%$ ) of the principal payments becoming due within the next succeeding twelve months to be paid from the Congress Circle Union Bond Fund, until such time as such funds and investments (valued at the lower of cost or market), and the income and profits realized from any investments thereof, after providing for the next interest payment due on all then outstanding Bonds and for the principal payments due at the next maturity date for each series of Bonds outstanding (except that provision need be made only for one-half of the principal payments due more than six months after such deposit date), have created a debt service reserve in an amount equal to two hundred per cent (200%) of the annual amount to become due in the succeeding fiscal year for the payment of principal of and interest on all Bonds then outstanding, and thereafter in a like manner such sums semiannually as may be necessary to meet the then current debt service requirement and to maintain the aforesaid debt service reserve. Said funds shall be held and used for the payment of principal, interest and premium, if any, on the Bonds. For the purpose of this paragraph interest and principal accruing prior to the estimated completion date of the Project and deposited into the Bond and Interest Sinking Fund Account out of the proceeds of the Bonds or from a Construction Fund Account shall not be deemed to be interest or principal to become due on the Bonds.

After setting aside funds for the payment of Bonds which have matured and for past due interest or interest coupons and for principal, accrued interest and premium, if any, on Bonds called for redemption but not paid, funds of the Bond and Interest Sinking Fund Account in excess of the principal and interest requirements for the next succeeding twelve (12) months may be invested by the depository from time to time by written order of the Comptroller in United States Government securities maturing not more than five (5) years from date of purchase. Funds held for interest and principal payments during the next succeeding twelve (12) months (excluding funds held for the payment of Bonds which have matured and for past due interest or interest coupons and for principal, accrued interest and premium, if any, on Bonds called for redemption but not paid) may be invested by the depository from time to time by written order of the Comptroller in United States Government securities maturing in such manner that at all times sufficient securities will mature not later than ten (10) days prior to each succeeding interest payment date to meet the interest and principal payments becoming due on each such date.

(c) After setting aside all funds at the time required for the purposes specified in paragraph (a) above and all funds required to meet the next succeeding minimum deposit required to be made by paragraph (b) above, into said Bond and Interest Sinking Fund Account, the University shall establish on its books a Repair and Replacement Reserve (which shall consist of two parts, an equipment reserve and a repairs reserve) to which there shall be credited on or before the close of each fiscal year commencing with the fiscal year beginning July 1, 1965, (1) the sum of \$30,000 or such portion thereof as is available for transfer annually for an equipment reserve until the funds and/or investments in the equipment reserve portion of the Account shall aggregate \$625,000 and thereafter such sums, but not more than \$30,000 annually, as may be required to restore and maintain the balance of \$625,000, and (2) the sum of \$60,000 or such portion thereof as is available for transfer annually for a repairs reserve. All moneys in the Repair and Replacement Reserve may be drawn on and used by the University for the purpose of paying the cost of unusual or extraordinary maintenance or repairs, renewals and replacements, and the renovating or replacement of furniture and equipment not paid as part of normal operating expenses. Funds standing to the credit of said Repair and Replacement Reserve may be invested by the Comptroller in United States Government

securities until such time as funds are needed. In the event that there is any deficiency in the funds required to be deposited semiannually into the Bond and Interest Sinking Fund Account or there is a deficiency in the debt service reserve, as provided in paragraph (b) above, sufficient funds shall be transferred from the Repair and Replacement Reserve and deposited in the Bond and Interest Sinking Fund Account to eliminate such deficiency.

(d) All funds remaining in said Congress Circle Union Bond Fund in any fiscal year after the full debt service reserve prescribed in subsection (b) of this Section has been provided for and after all provisions in subsections (a), (b) and (c) of this section have been met and all deficiencies have been made up, shall be deemed surplus moneys and shall be used for any of the following purposes: (1) for calling and redeeming the outstanding Bonds, which by their terms are redeemable prior to maturity; (2) for purchasing Bonds in the open market, with all unmatured interest coupons thereto attached at the lowest prices reasonably attainable, but not exceeding the amount at which such Bonds at the time are redeemable; (3) for investment by the Comptroller in United States Government securities until such time as funds are needed for other purposes; (4) for unusual or extraordinary repairs, replacements, or improvements to the facilities, for which no funds can be properly provided in subsection (a) above or which are in excess of the amount available therefor in the Repair and Replacement Reserve; and (5) for any lawful purpose as the Board of Trustees may direct.

## ARTICLE SIX

### APPLICATION OF PROCEEDS OF SALE OF BONDS

SECTION 6.01. *Custody and Application of Bond Proceeds.* The proceeds from the sale of Bonds to be issued from time to time hereunder shall be applied only toward the cost of acquiring, constructing, equipping, enlarging, or improving facilities, all as hereinbefore provided. When received, the part of the purchase price of Bonds representing the interest accrued on Bonds to the date of payment of such purchase price, together with such portion of the proceeds of the Bonds as is determined by the Board of Trustees to be necessary to be so set apart representing interest and principal, if any, to become due on such Bonds prior to the time the facilities for the account of which such Bonds have been issued become revenue producing and funds become available therefrom, shall be deposited in the Bond and Interest Sinking Fund Account. The remaining part of such purchase price shall be retained by the University and accounted for as a separate fund or funds to be known as a "Construction Fund Account" and such monies shall be deposited in a bank or banks which are members of the Federal Deposit Insurance Corporation. The monies in each Construction Fund Account shall be applied only toward the cost of construction in the manner and subject to the terms provided in any contract or agreement between the Board of Trustees and any purchaser of Bonds or as may be provided by a resolution supplemental hereto and relating to each separate series of Bonds to be issued hereunder, but in such a manner as to assure completion of the project or improvement for the account of which such Bonds were issued free and clear of mechanic's liens and substantially in accordance with the plans and specifications therefore.

SECTION 6.02. *Investment of Construction Fund.* Pending disbursement for the purpose aforesaid the Comptroller may from time to time invest all or any part of the moneys in the Construction Fund Account not to be needed within the next succeeding thirty (30) days for the purposes hereinabove set forth in bonds, or other direct and general obligations of the United States of America having a maturity date or becoming due at the option of the holder not more than three years subsequent to the date of investment therein. Interest accruing as a result of any such investments when received shall be credited to the Construction Fund Account.

SECTION 6.03. *Disposition of Surplus Funds.* After completion of each construction or improvement project, the Comptroller of the University shall execute a certificate to the effect that said project has been fully completed according to the plans and specifications and the same filed in the office of the Secretary of the Board of Trustees. Subject to the terms and provisions of any contract or agreement between the Board of Trustees and any original purchaser of Bonds and relating to any separate series of Bonds to be issued hereunder, if there be



funds remaining in a Construction Fund Account at the time of the filing of such certificate with the Secretary, said funds shall be withdrawn by the Comptroller and deposited in the Bond and Interest Sinking Fund Account. Any contract or agreement between the Board of Trustees and any original purchaser of Bonds may provide that any funds remaining in a Construction Fund Account established for the account of any series of Bonds being acquired by such purchaser be applied to the redemption of such Bonds or other Bonds then subject to redemption or to the purchase of Bonds on the open market.

## ARTICLE SEVEN

### ADDITIONAL COVENANTS OF THE UNIVERSITY

The Board of Trustees of the University of Illinois hereby covenants and agrees as follows:

**SECTION 7.01. *Authority for Bonds.*** That it is duly authorized under the laws of the State of Illinois and under all other applicable provisions of law to create and issue the Bonds herein provided for, and to pledge and apply the net income of the facilities and student service charges as herein provided; that all corporate and other action on its part for the creation and issuance of the initial issue of Bonds has been duly taken; that said Bonds when issued and in the hands of the holders thereof will be valid and enforceable obligations of the University according to the import thereof; that this Resolution is and will remain a valid Resolution to secure the payment of said Bonds and that the University has complete and lawful authority and privilege to acquire, construct, equip, operate, enlarge, improve, maintain, control and manage the facilities as herein provided.

**SECTION 7.02. *Right to Use and Occupancy of the Facilities and Not to Encumber Same.*** That it hereby warrants that it has a valid and existing right to the use and occupancy of the facilities and the sites thereof and the right to construct, equip, operate, enlarge, improve, maintain, control and manage the facilities and it, or the State of Illinois, has indefeasible title in fee simple to the sites of the facilities subject only to current taxes not in default, except for the sites of parking lots, for which it has a valid contract for the acquisition of the sites; that it will not further encumber said property or the income therefrom and that it will not, while any Bonds are outstanding hereunder encumber the title to or pledge or agree to pay to others the income from any of the said facilities; that it will within three months after the same shall accrue pay and discharge or cause to be paid and discharged, all lawful claims and demands of mechanics, laborers and others which if unpaid might by law become liens upon the facilities or the sites thereof unless contested in good faith and by appropriate legal proceedings. Any assessment or attempt to assess property shall not be considered an encumbrance within the meaning of this section so long as the University takes proper action to prevent judgment being entered against said property. Nothing contained in this Resolution shall be construed to prevent the University from using any portion of land included in a project site, other than the specific land on which the facilities are located, for any lawful purposes so long as the use and occupancy of the facilities are not impaired. Any project site, or portion thereof, used as a parking lot may be used for purposes other than parking so long as (1) an equal or greater number of parking spaces are constructed at another location on the Congress Circle Campus to replace those parking spaces which are eliminated for such reason and the revenues to be derived from the new spaces are pledged for the benefit of the Bondholders and held and applied as in Article Five provided or (2) the Net Income Available for Debt Service for each succeeding fiscal year thereafter (after giving effect to the elimination of such parking spaces and the substitution, if any, of other spaces) shall be equal to or greater than 1.35 times the amount to become due in each succeeding fiscal year for the payment of principal of and interest on the Bonds then outstanding hereunder.

**SECTION 7.03. *To Pay Principal and Interest.*** That it will duly and punctually pay or cause to be paid the principal sum and the interest accruing on said principal, on each and every one of the Bonds secured or to be secured hereby, at the dates and places, and in the manner provided in said Bonds, and in the coupons thereunto appertaining, according to the terms thereof.

**SECTION 7.04. *Taxes.*** That it will pay and discharge all taxes, assessments and Governmental charges which shall be imposed upon the facilities provided,

however, that the University shall not be required to pay any such tax, assessment, charge or claim so long as the University in good faith and by appropriate legal proceedings shall contest the validity thereof or its enforceability as a lien, and provided further that any such delay occasioned thereby shall not subject the facilities or any part thereof to forfeiture or sale.

**Section 7.05. *Payment of Bondholders' Costs and Expenses.*** That it will pay all and singular the costs, charges and expenses including reasonable attorney fees incurred or paid at any time by the holder of any of the Bonds because of the failure on the part of the University to perform, comply with and abide by each and every of the stipulations, agreements, conditions and covenants of the Bonds and this Resolution, or either of them.

**SECTION 7.06. *Construction of New Facilities, Maintenance, Repairs, Application of Income, Operation of Additional Facilities.*** That following the issuance of each series of Bonds under this Resolution it will cause the facilities for the account of which such Bonds were issued to be constructed with all reasonable dispatch; that it will at all time from income made available for such purpose maintain, preserve and keep all the facilities and all additions and betterments thereto and every part and parcel thereof in good repair, working order and operating condition; that it will continuously operate the facilities on a revenue producing basis; and that it will use and apply the income from the facilities only as provided in Article Five of this Resolution.

**SECTION 7.07. *Student Service Charges and Rental Rates.*** That so long as any Bonds herein authorized to be issued shall remain outstanding it will continuously operate and maintain the facilities, will adopt such rules and regulations and fix and maintain such student service charges, rates, rents, fees, and charges for the use of said facilities as will provide revenue sufficient to provide and maintain the aforesaid Bond and Interest Sinking Fund Account and the required reserves therefor, to pay the reasonable cost of operating and maintaining the facilities and to provide and maintain the Repair and Replacement Reserve, and that it will collect and account for and apply the aforesaid income and revenues in accordance with and as provided by this Resolution. Student service charges for the general use of the facilities will be assessed against and charged to each and every student enrolled for credit in the University of Illinois at Congress Circle as a condition precedent to enrollment, except that exemptions from the payment of the student service charges may be granted under policies established from time to time by the Board of Trustees for certain limited classes of students (such as scholarship students and graduate students holding staff appointments) if the University then has unallocated funds authorized by law to be retained in the Treasury of the University in an amount equal to all student service charges for which exemptions are then being granted and if the University shall forthwith deposit into the Congress Circle Union Bond fund an amount equal to the aggregate of all such exempted student service charges; provided, however, that no such deposit need be made by the University at any time when the only effect of such deposit would be to create surplus moneys in the Congress Circle Union Bond fund, under sub-section (d) of Section 5.02 of this Resolution.

**SECTION 7.08. *Record Keeping.*** That it will, so long as any of the Bonds issued hereunder remain outstanding and unpaid, keep proper and separate books of accounts and records in which full, true and correct entries will be made of all dealings and transactions relating to the properties, business and financial affairs of the University as related to the facilities and such records and books shall be open to inspection by the Bond holders and their agents or representatives.

**SECTION 7.09. *Audit Reports and Furnishing of Same.*** That it will on or before one hundred fifty (150) days after the end of each fiscal year commencing with the fiscal year ending June 30, 1964, cause to be prepared and will furnish to the depository and (upon written request therefor) to the holder or holders of any Bonds, certified reports of audit based on an examination sufficiently complete to comply with generally accepted auditing standards, prepared by a nationally recognized firm of independent public accountants, covering the operations of the facilities for the fiscal year next preceding, and showing the income and expenses for such period. Such audit report shall include a statement in reasonable detail of income from and expense of each separate facility and shall show the student enrollment of the University and the schedule of student service

charges. Such audit report shall also include statements of the status of each fund, reserve or account established under the terms of Article Five hereof showing the amount and source of the deposits therein, the amount and purpose of the withdrawals therefrom and the balance therein at the beginning and end of the fiscal year. There will also be included with each audit report a written opinion of the accountant that in making the examination necessary to said audit no knowledge of any default by the University in the fulfillment of any of the terms, covenants, provisions and conditions of this Resolution was obtained, or, if such accountant shall have obtained knowledge of such default a statement of the default or defaults thus discovered and the nature thereof.

SECTION 7.10. *Fire and Extended Coverage Insurance.* That as long as any of said Bonds authorized to be issued hereunder shall remain outstanding and unpaid, either as to principal or interest, or both, it will maintain insurance on said facilities, including all equipment thereof, against loss or damage by fire and windstorm and all other risks included in extended coverage insurance in amounts sufficient to provide for not less than full recovery of the insurable value whenever the loss from causes covered by such insurance does not exceed eighty per cent (80%) of the full insurable value of said buildings. Such insurance policy or policies shall be payable to The Board of Trustees of the University of Illinois, and all moneys collected on account of loss or damage covered by any such policy or policies of insurance shall be held in trust by the Board of Trustees and shall be used only for restoration of the property so damaged or, at the election of the Board of Trustees, deposited for credit to the Bond and Interest Sinking Fund Account.

SECTION 7.11. That as long as the funds and investments of the Bond and Interest Sinking Fund Account are less than the maximum debt service reserve required to be maintained under Section 5.02 (b) of this Resolution, it will procure and maintain Business Interruption Insurance on the Congress Circle Union Building in an amount not less than two years' debt service requirements. Such insurance policy or policies shall be payable to The Board of Trustees of the University of Illinois and all moneys collected on account of loss covered by any such insurance shall be held in trust by the Board of Trustees and credited to the Congress Circle Union Bond Fund.

## ARTICLE EIGHT

### EVENTS OF DEFAULT

SECTION 8.01. *Events of Default.* The University shall be in default herein if one or more of the following events (herein called "events of default") shall happen, to-wit:

(a) Failure to make due and punctual payment of the principal or of any redemption premium on any Bond when and as the same shall become due and payable;

(b) Failure to make due and punctual payment of any installment of interest on any Bond when and as such interest installment shall become due and payable, and such default shall have continued for a period of thirty (30) days;

(c) Failure to make due and punctual payment or satisfaction of any payment into the Bond and Interest Sinking Fund Account when and as such payments shall become due and payable as in this Resolution or any resolution supplemented hereto expressed and such default shall have continued for a period of one hundred eighty (180) days;

(d) If the University shall default in the observance of any other covenants, agreements or conditions on its part in this Resolution or any resolution supplemental hereto or in the Bonds contained, and such default shall have continued for a period of ninety (90) days after notice thereof given to the University by the holder of any Bond setting forth the nature of such default.

If an event of default shall happen and be continuing, then and in each and every such case the holders of not less than a majority in aggregate principal amount of the Bonds at the time outstanding shall be entitled, upon notice in writing to the University, to declare the principal of all of the Bonds then outstanding hereunder and the interest accrued thereon to be due and payable

immediately, and upon any such declaration the same shall become and shall be immediately due and payable, anything in this Resolution or in the Bonds contained to the contrary notwithstanding.

All of the revenues of the facilities including all sums in the Congress Circle Union Bond Fund upon the date of the happening of any event of default and all revenues of the facilities thereafter received by the University, shall be applied by the University in the order following upon presentation of the several Bonds and coupons, and the stamping thereon of the payment if only partially paid, or upon the surrender thereof if fully paid:

*First*, to the payment of the costs and expenses of the holders of the Bonds in declaring such event of default, including reasonable compensation to their agents, attorneys and counsel;

*Second*, in case the principal of the Bonds shall not have become due and shall not then be due and payable, to the payment of the interest in default in the order of the maturity of the installments of such interest, with interest on the overdue installments at the rate now or hereafter provided by law, such payments to be made ratably to the persons entitled thereto without preference or priority;

*Third*, in case the principal of the Bonds shall have become due and shall be then due and payable, to the payment of the whole amount then owing and unpaid upon the Bonds for principal and interest, with interest on the overdue principal at the rate or rates of interest specified in the Bonds and on installments of interest at the rate now or hereafter provided by law, and in case such moneys shall be insufficient to pay in full the whole amount so owing and unpaid upon the Bonds, then to the payment of such principal and interest without preference or priority of principal over interest, or of interest over principal, or of any installment of interest over any other installment of interest, ratably to the aggregate of such principal and interest.

**SECTION 8.02. *Rights of Holders of Bonds Upon Default.*** Subject to any contractual limitations binding upon the holders of any of the Bonds (including any other limitations herein upon the exercise of any remedy to holders holding a specific proportion or percentage of the Bonds), any holder of Bonds shall have the right, for the equal benefit and protection of all holders of Bonds similarly situated:

(a) By suit at law or proceedings in equity to compel observance by the University or by any of its officers, agents, and employees of any contract or covenant made by the University with the holders of bonds and coupons as provided in this Resolution, and to compel the University and any of its officers, agents and employees, to perform any duties required to be performed for the benefit of the holders of the Bonds or coupons as provided by this Resolution, and to enjoin the University and any of its officers, agents or employees from taking any action in conflict with any contract or covenant with the holders of the Bonds and coupons as provided by this Resolution;

(b) By action or suit in equity to require the University to account as if it were the trustee of an express trust; or

(c) By action or suit in equity to enjoin any acts or things which may be unlawful or in violation of the rights of the holders of Bonds.

No remedy conferred hereby upon any holder of Bonds is intended to be exclusive of any other remedy, but each such remedy is cumulative and in addition to every other remedy and may be exercised without exhausting and without regard to any other remedy conferred hereby. No waiver of any default or breach of duty or contract by the holder of any Bond shall extend to or shall affect any subsequent defaults or breach of duty or contract or shall impair any rights or remedies thereon. No delay or omission of the holder of any Bond to exercise any right or power accruing upon any default shall impair any such right or power or shall be construed to be a waiver of any such default or acquiescence therein. Every substantive right and every remedy conferred upon the holders of Bonds may be enforced and exercised from time to time and as often as may be deemed expedient. In case any suit, action or proceeding to enforce any right or exercise any remedy shall be brought or taken and then discontinued or abandoned, or shall be determined adversely to the holders of

Bonds, then, and in every such case, the University and the holders of Bonds shall be restored to their former positions and rights and remedies as if no such suit, action or proceeding had been brought or taken.

## ARTICLE NINE

### MODIFICATION AND AMENDMENT OF THE RESOLUTION

SECTION 9.01. *Amendment by Consent of Bond Holders.* This Resolution and the rights and obligations of the University and of the holders of the Bonds and coupons may be modified or amended at any time by resolution supplemental hereto adopted by the Board of Trustees pursuant to the affirmative vote of the holders of sixty-six and two-thirds per cent ( $66\frac{2}{3}\%$ ) in principal amount of all of the Bonds then outstanding at a meeting of Bond holders held in accordance with this Article, or with the written consent without a meeting, given as provided in Section 9.04, of the holders of sixty-six and two-thirds per cent ( $66\frac{2}{3}\%$ ) in principal amount of all of the Bonds then outstanding; provided that no such modification or amendment shall (i) extend the maturity of or reduce the interest rate on, or otherwise alter or impair the obligation of the University to pay the principal or interest or redemption premiums at the time and place and at the rate and in the currency provided therein of any Bond without the express consent of the holder of such Bond, or (ii) permit the creation by the University of any mortgage or pledge or lien on the facilities, or upon any income therefrom or other funds pledged or held hereunder, except as permitted by this Resolution, other than the lien and pledge created by this Resolution, or (iii) permit the creation of a preference or priority of any Bond or Bonds over any other Bond or Bonds or coupon or coupons, or (iv) reduce the percentages of Bonds required for the affirmative vote or written consent to an amendment or modification, without the written consent of holders of all Bonds.

SECTION 9.02. *Bond Holders Meetings.* The University may at any time call a meeting of the holders of Bonds. Every such meeting shall be held at such place in the City of Chicago, State of Illinois, as may be specified in the notice calling such meeting. Written notice of such meeting, stating the place and time of the meeting and in general terms the business to be submitted, shall be given by the University by registered or certified mail, postage prepaid, not less than thirty (30) nor more than sixty (60) days before such meeting, to each registered owner of Bonds then outstanding, at his address, appearing upon the books of registration, and in the event there shall then be outstanding any coupon Bonds which shall not be registered as to principal such notice shall also be published by the University at least once a week for two (2) successive weeks in a daily newspaper published in the English language and having a general circulation in the City of Chicago, State of Illinois, and also by similar publication in a financial newspaper published in the Borough of Manhattan in the City and State of New York, the first publication to be not less than thirty (30) nor more than sixty (60) days prior to the meeting; provided, however, that in any case where publication shall be required as herein before set forth the mailing of such notice shall in no case be a condition precedent to the validity of any action taken at any such meeting.

SECTION 9.03. *Attendance in Person or by Proxy.* Attendance and voting of Bond holders at such meeting may be in person or by proxy. Owners of Registered Bonds may, by an instrument in writing under their hands, appoint any person as their proxy to vote at any meeting for them.

In order that holders of Bonds payable to bearer or their proxies may attend and vote without producing their Bonds, the University may make and from time to time vary such regulations as it shall think proper for the deposit of Bonds with, or exhibit of Bonds to, any banks or trust companies, wherever situated, and for the issue by them, to the persons depositing or exhibiting such Bonds, of certificates in form approved by the University which shall constitute proof of ownership entitling the holders thereof to be present and vote at any such meeting and to appoint proxies to represent them and vote for them at any such meeting in the same way as if the persons so present and voting, either personally or by proxy, were the actual bearers of the Bonds in respect of which such certificates shall have been issued, and any regulations so made shall be binding and effective. Copies of such regulations shall be kept on file in the

offices of the paying agent in Chicago, Illinois, and the Secretary of the University.

Any registered owner of Bonds or any holder of a certificate provided for in this Section 9.03 shall be entitled in person or by proxy to attend and vote at such meeting as holder of the Bonds registered or certified in his name, without producing such Bonds. All others seeking to attend or vote at such meeting in person or by proxy must produce the Bonds claimed to be owned or represented at such meeting, and all persons seeking to attend or vote at such meeting in person or by proxy shall, if required, produce such further proof of Bond ownership or personal identity as shall be satisfactory to the University. All proxies presented at any meeting shall be delivered to the inspectors of votes and filed with the University.

**SECTION 9.04. *Amendments by Written Consent of Bond Holders.*** The University may at any time adopt a valid resolution amending the provisions of the Bonds or of this Resolution or of any resolution supplemental hereto, to the extent that such an amendment is permitted by the provisions of Section 9.01, to take effect when and as provided in this Section. A copy of such resolution, together with a request of the University to Bond holders for their consent thereto, shall be mailed by the University to each registered owner of Bonds and notice of the adoption thereof shall be published in the manner provided in Section 9.02 for the mailing and publication referred to in that Section (but failure to mail copies of such resolution and request shall not affect the validity of the resolution when assented to as in this Section provided). Such resolution shall not be effective unless and until there shall have been filed with the University the written consents of the percentage of holders of outstanding Bonds specified in Section 9.01. Each such consent shall be effective only if accompanied by proof of ownership of the Bonds for which such consent is given, which proof shall be such as is permitted by Section 9.03. Any such consent shall be binding upon the holder of the Bonds giving such consent and on any subsequent holder of such Bonds (whether or not such subsequent holder has notice thereof).

**SECTION 9.05. *Supplemental Resolutions or Amendments Without Consent of Bond Holders.*** The Board of Trustees may from time to time and at any time, subject to the conditions and restrictions in this Resolution contained, but without requiring the consent of the holders of any of the Bonds, adopt a resolution or resolutions supplemental hereto, which shall thereafter form a part hereof for any one or more or all of the following purposes:

(a) To add to the covenants and agreements of the University in this Resolution contained, other covenants and agreements thereafter to be observed and/or to surrender any right or power herein reserved to or conferred upon the Board of Trustees;

(b) To clarify any ambiguity or to clarify, correct or supplement, any defect or inconsistent provision contained in this Resolution or any resolution supplemental hereto; and

(c) To provide for the issuance of additional Bonds hereunder upon the terms and conditions in this Resolution specified.

**SECTION 9.06. *Endorsement of Bonds.*** Bonds delivered after the effective date of any action taken as provided in this Article Nine may bear a notation by endorsement or otherwise in form approved by the University as to such action, and in that case upon demand of the holder of any Bond outstanding at such effective date and presentation of his Bond for the purpose at the office of the Comptroller of the University a suitable notation shall be made on such Bond by the University as to any such action. If the University shall so determine, new Bonds so modified as to conform to such action shall be prepared and delivered, and upon demand of the holder of any Bond then outstanding shall be exchanged at the office of the Comptroller of the University, without cost to any Bond holder, for Bonds then outstanding, upon surrender of such Bonds with all unmatured coupons, if any, appertaining thereto.

**SECTION 9.07. *Exclusion of Bonds.*** Bonds owned or held by or for the account of the University shall not be deemed outstanding for the purpose of any vote or consent or other action or any calculation of outstanding Bonds in this Article provided for, and shall not be entitled to vote or consent or take any other action in this Article provided for.

## ARTICLE TEN

## MISCELLANEOUS

SECTION 10.01. *Benefits of Bond Holders Limited to Parties.* Nothing in this Resolution, expressed or implied, is intended or shall be construed to confer upon, or to give to, any person, firm or corporation other than the University and the holders of the Bonds and of the coupons outstanding, any right, remedy or claim under or by reason of this Resolution, and any covenants, stipulations, promises and agreements in this Resolution contained by and on behalf of the University shall be for the sole and exclusive benefit of the University and of the holders of Bonds and of the coupons outstanding.

SECTION 10.02. *Successor Is Deemed Included in All References to Predecessor.* Whenever in this Resolution or any resolution supplemental hereto either the University or the paying agent is named or referred to, such reference shall be deemed to include the successors or assigns thereof, and all the covenants and agreements in this Resolution contained by or on behalf of the University shall bind and inure to the benefit of the respective successors and assigns thereof whether so expressed or not.

SECTION 10.03. *Discharge of Resolution.* If all of the outstanding Bonds shall have matured, or shall have been duly called for redemption and the redemption date thereof shall have arrived, and if the University shall have deposited with the depository in trust, funds pursuant to this Resolution sufficient to pay and available for the payment of all amounts due on all Bonds then outstanding, including all principal, interest and redemption premiums, if any, and provision shall also be made for paying all other sums payable hereunder by the University, then, notwithstanding that any Bonds or interest coupons shall not have been surrendered for payment, the pledge of the income provided for in this Resolution and all other obligations of the University under this Resolution shall cease and terminate except as hereinafter in the next succeeding paragraph provided.

Any such funds held by the depository which have not been disbursed in the payment of Bonds and interest as aforesaid during the period of ten (10) years after the deposit referred to in the foregoing paragraph, shall be repaid to the University by the paying agent on written request of the University together with the schedule of the Bonds not paid or redeemed and thereupon the holder of any of the Bonds or coupons entitled to receive such payments, shall thereafter look only to the University for the payment thereof; provided, however, that the depository before being required to make such repayment, shall at the expense of the University, effect publication once a week for two successive weeks in a daily newspaper published in the English language, and having a general circulation in the City of Chicago, State of Illinois, and also by a similar publication in the Borough of Manhattan in the City and State of New York, a notice to the effect that said moneys have not been so applied and that after a date named in said notice, any unclaimed balance of said moneys then remaining will be refunded to the University.

No Bond or appurtenant coupon shall, after maturity thereof either according to its terms or through call of such Bond for earlier redemption, be deemed to be outstanding provided that moneys in the requisite amount for the payment thereof shall have been deposited with the depository, as trust funds, and are available for payments of such Bond or coupon upon demand.

SECTION 10.04. *Execution of Documents by Bond Holders.* Any request, declaration or other instrument which this Resolution may require or permit to be signed and executed by Bond holders may be in one or more instruments of similar tenor, and shall be signed or executed by Bond holders in person or by their attorneys-in-fact appointed in writing.

Except as otherwise herein expressly provided, the fact and date of the execution by any Bond holder or his attorney-in-fact of such request, declaration or other instrument or writing appointing such attorney-in-fact may be proved by the certificate of any notary public or other officer authorized to take acknowledgements of deeds to be recorded in the State in which he purports to act, that the person signing such request, declaration or other instrument or writing acknowledged to him the execution thereof, or by an affidavit of a witness of such execution, duly sworn to before such notary public or other officer.

Except as otherwise herein expressly provided in this Resolution, the amount of Bonds transferable by delivery held by any person executing such request, declaration or other instrument or writing as a Bond holder, and the numbers thereof, and the date of his holding such Bonds, may be proved by a certificate, which need not be acknowledged or verified, satisfactory to the University, executed by a trust company, bank, investment banker, dealer, broker or other depository wherever situated, showing that at the date therein mentioned such person exhibited to or had on deposit with such depository the Bonds described in such certificate. Continued ownership after the date of deposit stated in such certificate may be proved by the presentation of such certificate if the certificate contains a statement by the depository that the Bonds therein referred to are in fact held on deposit by such depository and will not be surrendered without the surrender of the certificate to the depository. The University may nevertheless in its discretion require further or other proof in cases where it deems the same desirable. The ownership of registered Bonds and the amount, maturity, number and date of holding the same shall be proved by the registry books.

Any request, declaration or other instrument or writing of the owner of any Bond shall bind all future owners of such Bond in respect of anything done or suffered to be done by the University hereunder in good faith and in accordance therewith.

**SECTION 10.05. *Waiver of Personal Liability.*** No officer, agent or employee of the University shall be individually or personally liable for the payment of the principal or of interest on the Bonds; but nothing herein contained shall relieve any such officer, agent or employee from the performance of any official duty provided by law.

**SECTION 10.06. *Official Publication.*** Any publication to be made under the provisions of this Resolution in successive weeks may be made in each instance upon any business day of the week and need not be made on the same day of any succeeding week nor in the same newspaper for any or all of the successive publications, but may be made in different newspapers.

**SECTION 10.07. *Partial Invalidity.*** If any one or more of the covenants or agreements, or portions thereof, provided in this Resolution should be contrary to law, then such covenant or covenants, such agreement or agreements or such portions thereof, shall be null and void and shall be deemed separable from the remaining covenants and agreements or portions thereof and shall in no way affect the validity of this Resolution or of the Bonds.

**SECTION 10.08. *Headings and Index.*** Any headings preceding the texts of the several articles hereof and any table of contents appended to copies hereof shall be solely for convenience of reference and shall not constitute a part of this Resolution, nor shall they affect its meaning, construction or effect.

**SECTION 10.09. *Covenants Not to Be Deemed Covenants of Any Present or Future Officer, Agent or Employee of University.*** All covenants, stipulations, obligations and agreements of the University contained in this Resolution shall be deemed to be covenants, stipulations, obligations and agreements of the University to the full extent authorized by law and permitted by the Constitution of the State of Illinois, and no covenants, stipulations, obligations or agreements contained herein shall be deemed to be a covenant, stipulation, obligation or agreement of any present or future officer, agent or employee of the University in his individual capacity, and no officer executing the Bonds shall be liable personally on the Bonds or be subject to any personal liability or accountability by reason of the issue thereof. No officer, agent or employee of the University shall incur any personal liability in acting or proceeding or in not acting or not proceeding in good faith, reasonably and in accordance with the terms of this Resolution and applicable law.

**SECTION 10.10. *Resolution Effective on Passage.*** This Resolution shall become effective upon its passage.

STATE OF ILLINOIS }  
COUNTY OF CHAMPAIGN } ss.

I, \_\_\_\_\_, do hereby certify that I am the duly elected, qualified and acting Secretary of The Board of Trustees of the University of Illinois, and as such official have charge and custody of the minutes and records of said Board of Trustees.



I further certify that the attached resolution is a true, correct and exact copy of the original resolution adopted by The Board of Trustees of the University of Illinois at its legally convened meeting held on the \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_, all as appears of record in my office.

IN WITNESS WHEREOF I have hereunto set my hand and the seal of said University this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_.

\_\_\_\_\_  
*Secretary as aforesaid.*

### Resolution

WHEREAS, Section 7.07 of the Resolution of this Board of Trustees authorizing and providing for the issuance of \$10,800,000 Congress Circle Union Bonds, Series A and B of 1963, duly adopted June 19, 1963, provides that the Board of Trustees will adopt such rules and regulations and fix and maintain such student service charges (as defined in said Resolution) rates, rentals, fees, and charges for the use of the facilities referred to therein as will provide revenue sufficient to provide and maintain the Bond and Interest Sinking Fund Account and the required reserves therefor and to pay the reasonable cost of operating and maintaining facilities and to provide and maintain the Improvement and Replacement Reserve; and

WHEREAS, The Board of Trustees of the University of Illinois desires to comply with the above cited provisions and to adopt certain rules and to provide for certain charges applicable to the operation of the facilities;

*Now, Therefore, Be It and It Is Hereby Resolved* by The Board of Trustees of the University of Illinois that the officers and management of the University be and they are hereby authorized and directed in the operation of the Congress Circle Union Building and parking facilities to carry out the following rules:

RULE 1. The properties of the Congress Circle Union Building and parking facilities above referred to as the "facilities" shall be continuously operated at all times when the University is in session.

RULE 2. Subject to further action of The Board of Trustees the initial student service charge for the use of the Congress Circle Union Building shall be \$40 per regular school semester for students in Range I (carrying above 10 semester hours of work), \$25 per regular school semester for students in Range II (above five semester hours up to and including 10 hours), and \$10 per regular school semester for students in Range III (above 0 and up to and including five semester hours), and shall be assessed against and charged to each and every student enrolled for credit in the University of Illinois at Congress Circle as a condition precedent to enrollment, except to the extent exemptions may be granted upon the conditions contained in Section 7.07 of the Resolution authorizing the issuance of the Bonds. Said fee shall be effective with the fall semester of 1964 or at such earlier date as The Board of Trustees may determine.

RULE 3. Rentals, rates, fees, and charges for the use of the parking lots and the income-producing facilities within the Congress Circle Union Building shall be from time to time established and maintained in such amounts as will result in net income sufficient, together with the student service charges, to provide revenue sufficient to provide and maintain the Bond and Interest Sinking Fund Account and the required reserves therefor and to pay the reasonable cost of operating and maintaining facilities and to provide and maintain the Improvement and Replacement Reserve.

On motion of Mr. Johnston, the foregoing resolution was adopted by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner, Mr. Page.

### CONTRACTS FOR CONSTRUCTION OF THE CONGRESS CIRCLE CAMPUS UNION BUILDING

(19) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of contracts for construction of the Union Building at Congress Circle, Chicago, the award in each case to the lowest bidder:

General (Division I) — Power Construction, Inc., Oak Park.....	\$5 624 322
Base bid .....	\$5 568 511
Additive alternate for assignment of other contracts..	55 811
Plumbing and Fire Protection (Division II) — M. J. Corboy Corporation, Chicago .....	394 217
Heating, Refrigeration, and Automatic Temperature Controls (Division III) — Frank S. Bellis, Berwyn.....	534 500
Ventilating and Air Conditioning (Division IV) — H. S. Kaiser Company, Elk Grove.....	632 000
Electrical (Division V) — Hoffman Electric Company, Chicago.....	719 760
Food Service Equipment (Division VI) — Stearnes Imperial Company, Chicago .....	510 068
<i>Total</i> .....	\$8 414 867

It is also recommended that all contracts other than the general contract be assigned to the contractor for general work, making the total of his contract \$8,414,867; and it is further recommended that an agreement be entered into with Power Construction, Inc., Oak Park, for the assignment of these other contracts for \$55,811, which amount is included in the contract price, being the amount bid by that Company for service charge for supervision of other contracts assigned to the general contractor.

Funds will be available through the sale of revenue bonds, and in state capital appropriations to the University for 1961-63 from the Universities Building Fund which have been released.

Submitted herewith is a supporting report from the Physical Plant Department, including a summary of bids received, a copy of which is being filed with the Secretary of the Board.

I concur in these recommendations.

On motion of Mr. Swain, these contracts were awarded, as recommended, by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner, Mr. Page.

#### ADDITION TO CONTRACT FOR CONSTRUCTION OF ELECTRICAL ENGINEERING BUILDING ADDITION

(20) The Director of the Physical Plant and the Vice-President and Comptroller recommend an increase of \$2,720.82 in the contract with Pathman Construction Co., Chicago, for construction of two rooms within the lecture room area of the Electrical Engineering Building Addition.

Funds are available in the construction budget.

I recommend that the Comptroller be authorized to execute this change order.

On motion of Mr. Johnston, this change in contract was authorized.

#### LEASES OF PROPERTY

(21) Because of constitutional limitations, all leases of property by the University of Illinois expire on June 30 of each biennium. I recommend that the Comptroller and Secretary be authorized to renew at the end of each biennium all leases when there is no change in rental or it does not exceed \$2,500 a year. If any increase in rental is proposed, and the total annual rental is more than \$2,500 a year, a recommendation will be submitted to the Board. All leases when renewed will be listed in the Comptroller's report of contracts to the Board.

I concur.

On motion of Mrs. Watkins, this recommendation was approved by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner, Mr. Page.

#### LEASE WITH DEPARTMENT OF PUBLIC WORKS AND BUILDINGS OF THE STATE OF ILLINOIS AND THE CITY OF CHICAGO FOR A PORTION OF THE CONGRESS CIRCLE SITE

(22) The campus plan for the Congress Circle provides for closing of the existing Congress Parkway (a frontage road lying between Harrison Street and the Congress Expressway) from Morgan to Halsted Streets and the construction of a

Chicago Transit Authority Station on the Peoria Street Bridge which will be closed to vehicular traffic.

Negotiations with city of Chicago, state, and federal representatives have resulted in an agreement which will provide that the City will finance and construct the CTA Station, and the University will (1) take a lease of the Congress Parkway area as a part of the campus, (2) construct a ramp from the Peoria Street Bridge to the elevated walkway, and (3) remove the improvements on the right-of-way of the Congress Parkway and landscape and maintain the area during the period of the lease.

The proposed agreement is for the period expiring June 30, 1965, with an option to the University to renew the lease for consecutive two-year periods after expiration of the original term.

The Director of the Physical Plant and the Vice-President and Comptroller recommend approval of the agreement and lease, and that the Secretary of the Board and the Vice-President and Comptroller be authorized to execute the same upon terms and conditions, and in a form, approved by the Legal Counsel.

I concur.

On motion of Mr. Williamson, this lease was authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner, Mr. Page.

#### APPLICATION TO FEDERAL COMMUNICATIONS COMMISSION FOR FM STATION IN CHICAGO

(23) The Director of Broadcasting has requested adoption of a resolution authorizing an application to the Federal Communications Commission for a new FM station in Chicago which will broadcast in the Chicago area Station WILL programs from the Medical Center Campus and later from Congress Circle. He has secured the approval of Northwestern University and Elmhurst College officials of changes in channel assignments for their stations which will be required for a frequency assignment to the new station.

The Executive Vice-President and Provost and I concur and recommend adoption of the required form of resolution, a copy of which is submitted herewith.

On motion of Mr. Swain, the following resolution was adopted.

#### Resolution

I, A. J. Janata, Secretary of The Board of Trustees of the University of Illinois, hereby certify that the following is a true and exact extract from the minutes of the meeting of The Board of Trustees of the said University held in Peoria, Illinois, on June 19, 1963:

"On motion made and duly seconded, and with a quorum of the Board present and duly authorized to act, it was unanimously voted by those present to approve the following resolution:

"We, a duly constituted quorum of The Board of Trustees of the University of Illinois, having legal authority to act, hereby authorize and direct the Secretary of the Board of Trustees, A. J. Janata, to execute any and all legal instruments necessary to the establishment, maintenance and operation of a proposed non-profit educational FM radio station at Chicago, Illinois, including, but not limited to any and all applications or other pleadings of any sort which are now or may hereafter be required in the prosecution of such application before the Federal Communications Commission, Washington, D.C., for the construction and/or operation of said station at Chicago, Illinois."

In witness whereof, I, a duly authorized official of The Board of Trustees of the University of Illinois, have caused the seal of the University of Illinois to be hereunto affixed. Given under my hand this ..... day of ....., 1963, at Urbana, Illinois.

*Secretary of the Board of Trustees  
University of Illinois*

#### USE OF UNIVERSITY FACILITIES BY THE TWIN CITY BIBLE CHURCH

(24) The Board of Trustees authorized the use of University space in Gregory Hall by the Twin City Bible Church of Urbana for a two-year period, 1961-63,

while a new church building is being constructed. The former property of this church on Springfield Avenue, Urbana, was purchased by the University for campus expansion and the building was razed. Church officials have requested continued use of University facilities until completion of the new building. The University is reimbursed for any expense involved and use of University rooms is so scheduled as not to conflict with University needs for the same.

I concur.

On motion of Mr. Johnston, this request was approved.

#### **AUTOMOBILE PARKING REGULATIONS AND FACILITIES. URBANA-CHAMPAIGN**

(25) On the basis of a report and recommendations of the Committee on Motor Vehicle Regulations and the Campus Planning Committee (University administrative-faculty committees), I recommend that the Board of Trustees approve in principle the plan presented below for a long-range parking program for the University of Illinois, and the specific recommendations set forth therein, effective September 1, 1963; and that the President of the University be authorized to amend it from time to time in the light of experience and upon appropriate recommendations. Such action would be consistent with the General Rules Concerning University Organization and Procedure which give the President authority to make traffic and parking regulations and such changes therein as conditions may warrant, and with the action of the Board in adopting the present parking regulations and program for the Urbana-Champaign campus in June, 1958.

#### **Preface to Recommendations**

On July 18, 1962, the Board authorized the employment of Harland Bartholomew and Associates, St. Louis, Missouri, for a study of the University's parking problem on the Urbana-Champaign campus. The Bartholomew report, entitled "Long-Range Parking Program for the University of Illinois," was made available for study by University administrative officers, faculty, and staff, in December, 1962. A representative of Harland Bartholomew and Associates presented the report at an open meeting of the faculty and staff on December 12, 1962, at which time many questions were discussed.

The Committee on Motor Vehicle Regulations and the Campus Planning Committee had been assigned the task of evaluating the report and making recommendations to the President of the University. These Committees solicited criticisms of the present regulations, adopted in June, 1958, and of the Bartholomew report, and suggestions for the development of an improved parking plan for the Urbana-Champaign campus. At the December meeting, the Committees announced that all communications, recommendations, and criticisms could be sent to the Committee Chairmen prior to January 15, 1963, and that all recommendations would be considered before a tentative recommendation would be made.

More than 150 letters and memoranda were received in response to the Committees' solicitation. Thereafter the Committees met weekly in full afternoon sessions for several weeks. The tentative proposal was mailed (Faculty Letter No. 52) on February 20 to all faculty and staff, and notice was given that a meeting would be held in the University Auditorium on February 28 to discuss the proposal and to answer questions. About fifty persons were present at that meeting, and a stenographic report was made of all questions and suggestions. The record of the meeting indicated there were two or three provisions which caused the greatest concern, so that opportunity was again given to present criticisms in writing. Very few responses were received.

On March 12, the Committees had a final meeting at which its report was adopted and subsequently submitted to the President of the University. It is the judgment of the Committee, with which I agree, that the program proposed will provide a basis for some progress toward a partial solution of a very difficult and complex problem. The Committee on Motor Vehicle Regulations will need to have under continuous review the regulations for use of the various areas. It may be necessary to increase fees and to make other changes in the program if it becomes desirable to accelerate the pace of construction of additional parking areas.

### Recommendations

1. Parking lots and structures shall be constructed on land presently owned or to be acquired by the University.  
(Explanatory note: The two Committees are in agreement that it would be desirable if the University could provide both the land and the construction necessary for an adequate parking program. Since this does not appear to be possible, land now owned or purchased for campus expansion should be utilized for parking until it must be used for building sites. This represents a continuation of the present policy.)
2. Each member of the faculty-staff desiring to use parking space on University lots, streets, or drives shall pay an annual registration fee of \$15.00. A faculty-staff member wishing to register a second car shall pay a fee of \$5.00 for that car. Cars in excess of two may be registered on the payment of the \$15.00 fee for each car. Anyone desiring to register a car for less than the full twelve months shall pay a registration fee of \$7.50 per semester, and/or \$3.75 for a Summer Session.  
(Explanatory note: It is intended that the registration fee be voluntary but shall apply uniformly to all members of the faculty-staff who use University land for parking at any time during the year. The \$15.00 fee would cover the full twelve months. Staff on less than nine-month appointment would pay a \$7.50 semester fee, or \$3.75 for the Summer Session only. In addition to the right to park in unrestricted University spaces, the registration fee would entitle a faculty-staff member to a motor vehicle registration card which would entitle the member to ride free on the Illi-Bus anywhere along the Illi-Bus route.)
3. No motor vehicle shall be registered unless the certificate of title is in the name of an employee or the spouse of an employee of the University.  
(Explanatory note: There was some feeling among the Committees that University registration should be restricted to motor vehicles owned by the University employee with specific exceptions being made only in exceptional cases. It was deemed that this policy would afford better control of University parking spaces to insure that their use would be restricted to faculty-staff. However, a majority felt that exceptional cases would be rare and that vehicles owner-registered in the name of an employee or spouse should be entitled to University registration.)
4. Any full time faculty-staff member may rent a parking space (on a first come-first served basis) for the hours of 6:00 a.m. to 6:00 p.m. Monday through Friday and 6:00 a.m. to 12:00 noon on Saturday for an annual rental fee of \$45.00 (in addition to the annual \$15.00 registration fee).  
(Explanatory note: This rental would be on a voluntary basis and designed for the convenience of those who desire such a space and are willing to pay the additional fee. Such spaces would not be reserved during the evening hours (after 6:00 p.m.) and would be available after 6:00 p.m. to faculty-staff who have paid the University registration fee. No charge would be made to faculty-staff for parking in such spaces during the evening hours. It is anticipated on the basis of available spaces, that faculty-staff who return to their offices or laboratories to work after 6:00 p.m. will find a space in a University lot, or on a University street or drive, reasonably close to such offices or laboratories. Any faculty-staff member who, on the effective date of this program, is paying for a rental space will be assured that the space will continue to be assigned to him.)
5. Faculty-staff members and University departments having special need may rent a parking space by special permission of the Executive Vice-President and Provost on a twenty-four hour yearly basis for an annual rental fee of \$90.00 (in addition to the annual \$15.00 registration fee for individuals, or a total of \$105.00 per year for individuals and departments).  
(Explanatory note: This provision is for those special cases in which the Provost determines that the interests of the University require that a special parking space be reserved on a twenty-four hour basis for an individual or department. A department would include such parking fee in its operating budget in the same manner that it provides for the other operating expenses of the motor vehicle.)

6. All parking spaces in service areas will be metered on a short-term basis restricted to faculty-staff and official visitors on University business. (Explanatory note: This provision is for rapid turnover use in scattered areas around the campus as is now provided on a no charge basis.)
7. All unrestricted parking spaces on University-owned streets and drives shall be metered, as the demand requires, on an 8:00 a.m. to 5:00 p.m. basis and that the use of such metered spaces be restricted to the use of faculty-staff and visitors on the basis of current motor vehicle parking regulations initially, and thereafter as the needs of the faculty-staff may require. (Explanatory note: Some portions of University streets and drives are restricted to traffic flow only and parking is not permitted. Parking, in accordance with published regulations, is permitted on other portions of streets and drives. In order to control parking use in areas of high demand and to encourage turnover rather than all-day use, it is proposed to meter such spaces on a five cents per hour, five-hour limit, for use between 8:00 a.m. and 5:00 p.m. As the campus expands and faculty-staff parking needs increase in certain areas, the regulations may be changed to restrict such spaces to the use of faculty-staff. Initially, however, it appears that current regulations are adequate in those areas of minimal faculty-staff demand. It is anticipated that the metering of spaces on University streets and drives will be gradual as the need appears.)
8. The present Illi-Bus routes shall be expanded and extended to provide transportation to all parts of the campus from parking lots. University motor vehicle registration identification cards furnished to faculty-staff will serve as a pass in lieu of a cash fare. (Explanatory note: As the campus expands and new classroom and laboratory buildings are constructed in the center of campus, it is anticipated that there will be increased need for intra-campus bus transportation for faculty-staff from parking lots which are not within convenient walking distance of offices, classrooms, and laboratories, and for cross-campus trips during the working day. An expansion and extension of Illi-Bus service for these needs seems mandatory. The registration fee for faculty-staff will permit this to be done on a realistic basis as the need requires.)
9. The University will acquire as rapidly as feasible the needed sites and construct a parking structure or structures adjacent to the center campus area. (Explanatory note: The need for additional parking spaces adjacent to the present center area of the campus is acute. If the other proposals are adopted it is anticipated that the income will permit an immediate start on providing additional spaces. While there are many practical and financial problems involved in acquiring an adequate site and constructing parking structures, if a reasonable amount of income for such construction is assured steps should be taken to provide such additional spaces.)
10. The University will assume all the costs of administering the parking program to the end that all funds which are paid in the form of registrations, rentals, or meter income will be available to finance the bonds required to build the structures recommended in paragraph 9, to prepare other land for parking use, and to maintain existing lots.
11. The policies adopted and the specific parking and traffic regulations incorporated by reference herein will be re-evaluated after not more than six months of the operation of the revised program and periodically thereafter, and changes recommended to make more effective use of the parking lots and streets.
12. The Committee on Motor Vehicle Regulations shall make recommendations for implementation of the foregoing program with respect to its administration.

The report of the Committees recognizes that its proposals may not be adequate to meet satisfactorily the present and future parking space needs on this campus; and also that individual opinions differ as to how such a complex and costly undertaking should be approached to serve the needs of all segments of the University community. Having considered carefully all present and foreseeable future aspects of the problem, it is believed that the proposals offer the most practical and least expensive approach to the problem at the present time.

It will be noted that the proposals do not deal with the question of student

cars on campus, which is considered to be a separate problem. Only an approximate 20 per cent of the students have registered motor vehicles on campus. The primary concern has been to provide adequate services for the total student body, including the 80 per cent who do not have motor vehicles on campus. As the essential needs of the faculty-staff are met for serving the total student body, we will turn to the subsidiary problem of providing parking facilities to the extent possible for the 20 per cent of the student body who have motor vehicles on campus.

Although the Committees believe that all the major policy decisions are included in its recommendations, they recognize that a number of administrative details remain to be determined before the program may be put into operation. Recommendations for the resolution of these questions may appropriately be made by the Committee on Motor Vehicle Regulations, as has been recommended, and the Campus Planning Committee will not be involved in their consideration.

On motion of Mr. Johnston, the foregoing recommendations were approved, and authority was given as requested.

#### AMENDMENTS OF UNIVERSITY OF ILLINOIS STATUTES

(26) The University Senates have proposed amendments of Sections 38, Tenure of Academic Staff, and 39, Academic Freedom, of the University of Illinois Statutes and, collaterally, of Section 6, University Senates, which would necessarily be affected by any changes made in Sections 38 and 39. The Urbana-Champaign Senate approved the proposed amendments on June 13, 1961; the Chicago Undergraduate Division Senate on December 5, 1961, approved but with some modifications the amendments proposed by the Urbana-Champaign Senate; and the Medical Center Senate on April 4, 1962, approved, with minor changes, the amendments as modified and approved by the Chicago Undergraduate Division Senate.

The University of Illinois Statutes provide:

Section 6 (k), in part, that "each Senate may propose amendments to these Statutes through the Senate Coordinating Council to the President and the Board of Trustees as provided in Section 65."

Section 65 provides, in part, that ". . . Any proposed amendment shall be referred to the Senate Coordinating Council for its consideration and for transmission to the other Senates for action. If the three Senates agree, the amendment shall be presented to the President for transmission to the Board of Trustees. *If the Senates do not concur in the proposed amendment, the Coordinating Council shall endeavor to promote agreement of the three Senates; where agreement is not effected, the Council shall transmit its recommendations to the President for submission to the Board of Trustees. Any Senate objecting to a proposed amendment may record its objections by forwarding them to the Board of Trustees, through the President. . . .*" (italics supplied)

Accordingly, and pursuant to the authority vested in it by Section 65, the Senate Coordinating Council endeavored to promote agreement of the three Senates on the proposed amendments which was not successful; and pursuant to the further authority vested in it by Section 65, the Senate Coordinating Council transmitted to the President of the University, for submission to the Board of Trustees, its recommendations for amendments to Sections 6, 38, and 39 of the University Statutes.

On April 2, 1963, I transmitted to all members of all three Senates the complete report of the Senate Coordinating Council presenting its recommendations for amendments to the Statutes, stating that to provide an opportunity for any of the Senates to register an objection to the recommendations (as provided for in Section 65, quoted above), I would defer presentation of the subject to the Board of Trustees until after the June meetings of the Senates. The Senates have offered no objections. On the contrary, the Urbana-Champaign Senate at a meeting on April 15, 1963, unanimously adopted a resolution:

" . . . that the Champaign-Urbana Senate approves and endorses the recommendation of the Senate Coordinating Council for revision of Sections 6, 38, and 39 of the University Statutes and urges their adoption by the Board of Trustees.

The Medical Center and Chicago Undergraduate Division Senates have offered no objections to the recommendations of the Senate Coordinating Council.

I now present the Senates' recommendations to the Board of Trustees for study. At a subsequent time, I shall submit my recommendations with regard to the proposals. For purposes of comparison they are submitted in parallel form showing the current statutory provisions and the recommendations for proposed amendments.

The President's report and the recommendations of the Senate Coordinating Council were received for record, and were referred to the Committee on General Policy for further consideration and advice to the Board.

### Amendments of University of Illinois Statutes

Proposed by the University Senates and the Senate Coordinating Council

The present University of Illinois Statutes were adopted by the Board of Trustees January 16, 1957, and became effective September 1, 1957. The following amendments have been proposed by the Urbana-Champaign, Medical Center, and Chicago Undergraduate Division Senates, and the Senate Coordinating Council. The amendments were initiated by the Urbana-Champaign Senate and were modified by the two Chicago Senates, after which the Senate Coordinating Council submitted its recommendations.

#### PRESENT STATUTORY PROVISIONS

Recommended deletions are indicated by brackets [ ].

Sec. 6. (1) Each Senate shall elect annually by ballot from its membership a Committee on Committees [consisting of not fewer than three persons. Not more than one member of this Committee of the Urbana-Champaign Senate shall be from any one college or school]. Upon nomination made by this Committee after consultation with the President, in the case of the Urbana-Champaign Senate, [and] with the Vice-President in Charge [of the Chicago Professional Colleges or with the Executive Dean of the Chicago Undergraduate Division, respectively.] each Senate shall elect committees on educational policy, academic freedom, University calendar, the library, student discipline, student affairs, and such other standing committees as it may from time to time authorize.

The chairmen of the Senate committees on educational policy, academic freedom, library, and of such other committees as the three Senates may designate, shall be members of the corresponding committees of the other Senates.

#### RECOMMENDATIONS OF THE SENATE COORDINATING COUNCIL

Additions are indicated by italics.

Sec. 6. (1) Each Senate shall *establish rules of procedure in accordance with which it shall* elect annually by ballot from its membership a Committee on Committees. Upon nomination made by this Committee after consultation with the President, in the case of the Urbana-Champaign Senate, *or with the Vice-President in Charge, in the case of each Chicago campus Senate,* each Senate shall elect committees on educational policy, academic freedom *and tenure*, University calendar, the library, student discipline, student affairs, and such other standing committees as it may from time to time authorize. *The Committee on Academic Freedom and Tenure at each campus shall be elected by the respective Senate upon nomination made in the manner hereinbefore described in this paragraph and shall consist of at least five members of the faculty other than deans or directors, with no more than two members from any one college, school, institute, division, or other administrative unit.* The chairmen of the Senate committees on educational policy, academic freedom *and tenure*, library, and of such other committees as the three Senates may designate, shall be members of the corresponding committees of the other Senates.

*\* (m) The academic staff (i.e., those having the rank of instructor or higher rank) at each campus shall also elect a*



*Faculty Advisory Committee of nine members of such academic staff, three of whom shall be elected each year for three-year terms. No more than two members, or in the case of the Medical Center no more than three, from any one college, school, institute, division, or other administrative unit of the University shall serve on the Committee at the same time. The Committee shall each year elect its own chairman at its first meeting held after the annual election of members. The Committee shall adopt its rules of procedure, copies whereof shall be sent to all members of the academic staff and to the President. The Committee shall make such annual reports to the President, the Senate, and the faculty as it deems appropriate.*

*The functions of the Committee shall be to provide for the orderly voicing of suggestions for the good of the University, for affording added recourse for the consideration of grievances, and for furnishing a channel for direct and concerted communication with administrative officers of the University, its colleges, schools, institutes, divisions, and other administrative units on matters of interest or concern to the academic staff or any member of it.*

*In performing its functions, the Committee upon the request of the President, or any member of the academic staff, or upon its own initiative, shall make such investigations and hold such consultations as it may deem to be in the best interest of the University. A member of the academic staff shall be entitled to a conference with the Committee or with any member of it on any matter properly within the purview of the Committee.*

\* While the faculty advisory committee is provided for here in Sec. 6 for convenience, it should be noted that it is not a Senate committee but a general University committee on each campus.

*Those who at the date this section of the University Statutes becomes effective are already members of an established Faculty Advisory Committee shall be the first members of the Committee as established under this section of the University Statutes, with terms coterminous with those for which they were elected.*

*Any person of the rank of instructor or higher rank may be nominated as a*

((m)) Any action of any Senate involving matters of University-wide policy, or proposals to amend the University Statutes, shall be submitted by the Senate Coordinating Council to the other Senates for consideration and recommendation.

#### TENURE OF ACADEMIC STAFF

Sec. 38. (a) Unless otherwise provided in these Statutes (and in the absence of some special written agreement approved by the President of the University with the consent of the appointee) the tenure for the various members of the academic staff shall be as stated herein, except that first appointments or temporary appointments may be made for shorter periods.

(1) An appointment as professor or associate professor shall be for an indefinite term.

(2) An appointment as assistant professor, or to the administrative staff, shall be for a period not longer than two years from September 1 of the first year of the legislative biennium.

(3) Appointments to lower ranks shall be for not more than one year.

(b) The appointment of any person for a definite term does not carry any guarantee or implication that the Board of Trustees will renew the appointment at its termination, even though the appointee may have discharged his duties satisfactorily. Any appointment, if accepted, must be accepted with this stipulation.

(c) Tenure may be terminated by (1) honorable retirement; (2) acceptance of resignation; (3) [discharge] for cause.

(d) [Cause for discharge shall consist of conduct seriously prejudicial to the University through deliberate infraction of law or commonly accepted standards of morality, neglect of duty,

*Committee member by a petition signed by three members of the academic staff and filed with the Clerk or Secretary of the Senate prior to April 1 of each year. The Clerk of the Senate shall conduct the election by University mail as soon as possible thereafter. All members of the academic staff of the rank of instructor or higher rank may vote, and the three nominees receiving the highest number of votes, who are then eligible for membership on the Committee under the foregoing provisions, shall be declared elected.*

(n) Any action of any Senate involving matters of University-wide policy, or proposals to amend the University Statutes, shall be submitted by the Senate Coordinating Council to the other Senates for consideration and recommendation.

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(b) The appointment of any person for a definite term does not carry any guarantee or implication that the Board of Trustees will renew the appointment at its termination, even though the appointee may have discharged his duties satisfactorily. Any appointment, if accepted, must be accepted with this stipulation.

(c) Tenure may be terminated by (1) honorable retirement; (2) acceptance of resignation; (3) *dismissal* for due cause.

(d) *Due cause for dismissal shall be deemed to exist only if, with all due regard for the freedoms and protections provided for in Sec. 39 of these Statutes, a faculty member's conduct*

inefficiency or incompetency. The enumeration of causes for discharge shall not be deemed exclusive, and the Board of Trustees reserves the power to discharge for other causes, but it is to be distinctly understood that this power will be exercised only under exceptional circumstances and then only for conduct which is clearly prejudicial to the best interests of the University.]

(c) [An appointee on definite tenure shall not be removed before the expiration of his term of service, nor shall an appointee on indefinite tenure be removed, without in either instance first having been presented with a written statement of the charges against him, which shall be sufficiently specific reasonably to inform him of their nature and to enable him to present his defense thereto. Charges shall be preferred by the President, or on his authority, and shall be filed with the Secretary of the Board of Trustees. A copy of the charges shall be transmitted to the appointee either personally or shall be mailed to the appointee at his last known post office address by registered mail within 15 days after they have been preferred. Within 15 days after such service of a copy of the charges, the appointee may file with the Secretary of the Board a written request for a hearing before the Board of Trustees. Notice of the time and place of the hearing, which shall be not less than 20 days after the date of the appointee's request, shall be served upon the appointee either personally or by registered mail. The date of the hearing shall be no less than 15 days from the date of the receipt of the notice of hearing by the appointee. The appointee shall have the right to appear at the hearing, with counsel, if he desires, to reply to the charges and to present evidence in his behalf. The Board shall not be bound by formal or technical rules of evidence in hearing and deciding the case. Prior to the preferment of charges, or while charges are pending, the appointee may be suspended by the President pending final decision of the Board upon the charges. In designating the effective date of dismissal or requested resignation, the Board shall give due consideration to the time reasonably required for the adjustment of the staff member's personal affairs.]

is found to demonstrate clearly and convincingly either that: (1) he has been grossly neglectful of, or grossly inefficient in, the performance of his University duties; or that: (2) he can no longer be relied upon to perform his University duties and functions in a manner consonant with professional standards of competence and responsibility.

(e) *Proceedings seeking the dismissal before the expiration of his term of appointment of an appointee to the academic staff who is on definite tenure or of an appointee to the academic staff who is on indefinite tenure shall comply with the procedures described in the following provisions of this section:*

(1) *Charges. When it shall appear to the President that cause for the dismissal of an appointee may exist, he shall consult with the Faculty Advisory Committee. The President, after such consultation, shall determine whether dismissal proceedings should be instituted. Charges looking to dismissal shall be preferred by statement in writing by the President or on his authority and shall be filed with the Clerk or Secretary of the Senate within thirty days after the consultation with the Faculty Advisory Committee. The statement shall be sufficiently specific reasonably to inform the appointee of the nature of the charges and enable him to present his defense to them.*

(2) *Service. The Clerk or Secretary of the Senate shall cause a copy of the statement of the charges and a copy of Sections 38 and 39 of the Statutes to be delivered to the appointee personally or mailed to him at his last known post office address by registered mail within five days after they have been filed with the Clerk or Secretary of the Senate.*

(3) *Request for Hearing. Within fifteen days after such service of a copy of the statement of charges, the appointee may file with the Clerk or Secretary of the Senate a request for a hearing before the Committee on Academic Freedom and Tenure of the appropriate campus; and within ten days after filing such request the appointee shall file with the Clerk or Secretary of the Senate a detailed written answer to the statement of grounds for dismissal. The Clerk or Secretary of the Senate shall promptly transmit the statement of charges, the*

answer thereto, and the request for a hearing to the chairman of the Committee on Academic Freedom and Tenure, and copies of the answer and request for a hearing to the President.

(4) *Notice of Hearing.* Notice of the time and place of the hearing before the Committee on Academic Freedom and Tenure, which hearing shall be not less than twenty days after the filing of the appointee's request, shall be delivered on the same date to the appointee and the President either personally or by registered mail. The date of the hearing shall be not less than fifteen days from the date of such delivery or of such mailing of the notice of hearing.

(5) *Hearing.* At the time and place fixed the Committee on Academic Freedom and Tenure shall hold a closed hearing on the charges. No member of that Committee shall sit in a case that involves a member of his department, school, institute, or division, whichever represents the smallest administrative unit. Three members of the Committee shall constitute a quorum for the conduct of the hearing, and the chairman of the Committee may appoint another member of the Committee to preside over the hearing. If vacancies occur, the Committee on Committees shall appoint as many members as are necessary to constitute a quorum. Except as hereinbefore or hereinafter provided the hearing shall be conducted according to such rules as the Committee may from time to time establish. The Committee shall not be bound by technical rules of evidence, but all findings, conclusions, and recommendations of the Committee shall be supported by, and be in accord with substantial evidence. The appointee shall be entitled to be present at all sessions of the Committee when evidence is being received and to have with him an adviser of his own choice who may act as counsel. Likewise the President or some person designated by him, together with counsel if the President desires counsel, shall be entitled to be present at all sessions of the Committee when evidence is being received. Each party shall have the right within reasonable limits to question witnesses and when all the evidence has been received to make an argument in support of its position, either in person or by counsel. A full stenographic transcript shall be made of the hearing unless both parties

agree to the making of a record in a briefer form.

(6) *Findings, Conclusions, and Recommendations.* Following the conclusion of the hearing the Committee shall promptly make its explicit findings of fact on each charge, its conclusions, and its recommendations. Reasonable opportunity shall be given to each party to file a written statement setting forth objections to these findings, conclusions, and recommendations and setting forth the grounds for such objections. A copy of one party's objections shall be given to the other party. The originals of the findings, conclusions, and recommendations, and of the hearing shall be forwarded to the President and copies shall be promptly transmitted to the appointee.

If ultimately the appointee requests a hearing before the Board of Trustees, the originals or copies of statement of charges filed by the President or on his authority with the Clerk or Secretary of the Senate, the request for a hearing, the answer to the statement of charges, the notice of the time and place of hearing, the transcript or briefer record of the hearing, any exhibits, received in evidence, the findings, conclusions, and recommendations of the Committee, and any objections to such findings, conclusions, and recommendations, shall constitute the record before the Committee on Academic Freedom and Tenure to be submitted to the Board. The record shall be available to the Board of Trustees, to counsel for the appointee, and to counsel for the University, but shall not be available to other persons prior to the hearing before the Board. If the Committee recommends that charges be dropped and the President concurs, the case shall be considered closed.

(7) *Hearing by Board of Trustees.* Within 30 days after transmittal of the findings, conclusions, and recommendations of the Committee on Academic Freedom and Tenure, or, if the appointee filed no request for a hearing before that Committee, within fifteen days after the expiration of the period specified in paragraph (3) for the filing of such a request, the President may cause the charges to be filed with the Secretary of the Board of Trustees along with the findings, conclusions, and recommendations, if any, of the Committee on Academic Freedom and Tenure and the record of the hearing before the Committee, if one

was held. Notice of such filing of charges shall be delivered to the appointee personally or shall be mailed to him by the Secretary of the Board of Trustees by registered mail within five days after such filing. Within ten days after such delivery or mailing of notice of the filing of the charges with the Secretary of the Board of Trustees, the appointee may file with the Secretary of the Board a written request for a hearing before the Board of Trustees. Notice of the time and place of the hearing, which hearing shall be not less than twenty days after the date of the filing of the appointee's request, shall be delivered to the appointee personally or mailed to him by registered mail. The date of the hearing shall be not less than fifteen days from the date of such delivery or mailing of the notice of hearing to the appointee. The appointee shall have the right to appear at the hearing, with counsel, if he desires, to reply to the charges and to present evidence in his behalf. Counsel for the University shall represent the University administration at the hearing and shall have the right to present evidence in support of the charges. The Board shall not be bound by technical rules of evidence in hearing and deciding the case. The Board will give due consideration to the findings, conclusions, and recommendations of the Committee on Academic Freedom and Tenure, and in all cases where a report was made by the Committee will invite a member of the Committee designated by its chairman to attend the hearing before the Board and afford him an opportunity to make a statement.

If the Board concludes that the appointee should be dismissed or asked to resign, in designating the effective date of dismissal or requested resignation, the Board will give due consideration to the time reasonably required for the adjustment of the appointee's personal affairs. If a hearing is requested before the Board of Trustees, the Committee on Academic Freedom and Tenure may make at its discretion an appropriate report to the Senate.

(8) *Suspension.* An appointee may be suspended only under exceptional circumstances and with pay subject to the following provisions: a) The President may suspend before the filing of any charges only after giving notice to the chairman or, in the absence of the chairman from the Uni-

*versity, to some member of the Faculty Advisory Committee that he believes that cause for dismissal may exist; b) If the President suspends after so giving notice to the chairman or some member of the Faculty Advisory Committee, or during consultation with the Faculty Advisory Committee, such suspension shall terminate within twenty days after that Committee has made its recommendations to the President unless the President initiates dismissal proceedings by the filing of charges for dismissal within that twenty-day period; and, c) If the President initiates dismissal proceedings by filing charges for dismissal, he may suspend the appointee, or may extend a previous suspension of the appointee, until the termination of those proceedings, or until the effective date of dismissal if the proceedings result in dismissal.*

*(9) Publicity. So far as possible public statements about a case under consideration should be avoided until completion of the proceedings.*

[(f) Any member of the faculty of the University, who claims that termination of his services would violate principles of academic freedom, shall have the right to a hearing before the Committee on Academic Freedom of the appropriate Senate prior to a hearing, if any, before the Board of Trustees. Such hearings shall be conducted in accordance with established rules of procedure. The Committee shall make findings of fact and recommendations to the President of the University. The several Committees may, from time to time, establish their own rules of procedure.]

#### ACADEMIC FREEDOM

Sec. 39 (a) It is the policy of the University to maintain and encourage full freedom, within the law, of inquiry, discourse, teaching, research, and publication and to protect any member of the academic staff against influences, from within or without the University, which would restrict him in the exercise of these freedoms in his area of scholarly interest. The right to the protection of the University shall not, however, include any right to the services of the University's Legal Counsel or his assistants in any governmental or judicial proceedings in which the academic freedom of the staff member may be in issue.

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(b) In his role as citizen, the faculty member has the same freedoms as other citizens, without institutional censorship or discipline, although he should be mindful that accuracy, forthrightness, and dignity befit his association with the University and his position as a man of learning.

(c) These freedoms do not include the right to advocate the overthrow of our constitutional form of government by force or violence.

(d) A staff member who believes that he does not enjoy the academic freedom which it is the policy of the University to maintain and encourage, shall be entitled to a hearing, on his written request, before the Committee on Academic Freedom of the appropriate University Senate.

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(d) A staff member who believes that he does not enjoy the academic freedom which it is the policy of the University to maintain and encourage, shall be entitled to a hearing, on his written request, before the Committee on Academic Freedom and Tenure of the appropriate University Senate. *Such hearing shall be conducted in accordance with established rules of procedure. The committee shall make findings of facts and recommendations to the President and at its discretion may make an appropriate report to the Senate. The several committees may from time to time establish their own rules of procedure.*

#### COMPTROLLER'S REPORT OF CONTRACTS

(27) The Comptroller's report of contracts executed during the period May 1 to 31, 1963.

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
State of Illinois Local Records Commission	Survey and appraise records series in Illinois local and appellate courts	\$ 4 000 00	May 1, 1963
United States Air Force AF-AFOSR-107-63A	Provide equipment for research entitled "charged colloidal sized particles for propulsion"	360 00	May 1, 1963
United States Air Force AF-AFOSR-328-63	Physics of solids	80 478 00	October 1, 1963
United States Air Force AF 29(601)-585	Development of a model to simulate free field ground motions	100 000 00	February 16, 1963
United States Air Force AF 30(602)-3046	Submillimeter wave receiver techniques	35 000 00	March 1, 1963
United States Army DA-31-124-ARO(D)-108	Exploratory basic research in physical sciences	21 500 00	July 1, 1963
United States Army DA-49-193-MD-2410	Transmission of the common cold to volunteers under controlled conditions	63 114 00	April 1, 1963
United States Department of Agriculture 12-05-300-53	Agricultural market planning and education in resource development programs	25 000 00	April 25, 1963
United States Department of Defense OCD-OS-63-61	Conduct a course covering Office of Civil Defense standard fallout shelter analysis curricula plus structural analysis and shelter design	22 500 00	April 22, 1963
United States Department of Health, Education, and Welfare OE-3-12-064	Provide training to improve the qualifications of personnel engaged in or preparing to engage in the counseling and guidance of students in secondary schools	91 040 00	January 2, 1963
United States Department of Health, Education, and Welfare VRA-63-103	Training specialized personnel to work with the deaf	3 400 00	May 6, 1963
United States Navy NObsr-89229	Radiolocation directed toward system problems	114 509 00	May 21, 1963



<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
United States Navy Nonr-3985 (02)	Biophysical and biochemical studies on electric organs and muscle membranes of fish	\$ 16 500 00	February 1, 1963
The Upjohn Co.	Techniques using synthetic progestogens to control ovulation in domestic animals	2 530 00	June 1, 1963
<i>Total</i>		<u>\$579 931 00</u>	

**Leases**

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid by the University</i>	<i>Effective Date</i>
International Business Machines Corp.	One keypunch	\$ 604 80 (annual rental)	April 29, 1963
International Harvester Co.	Rental of farm machinery, four items: \$93.68 to \$812.35	1 692 40 (annual rental)	February and March, 1963
University Place Christian Church	Rental of church organ by School of Music, September 15, 1963, to June 15, 1964	1 750 00 (annual rental)	May 9, 1963
<i>Total</i>		<u>\$ 4 047 20</u>	

**Contract Changes**

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
Illinois Archaeological Survey	Highway salvage program	\$ 962 96	May 8, 1963
Moorman Manufacturing Co.	Poultry nutrition	2 600 00	April 18, 1963
Research Council on Riveted and Bolted Structural Joints of the Engineering Foundation	Behavior of riveted and bolted structural joints	23 000 00	April 30, 1963
United States Air Force AF 29 (601)-5007	Analytical study of tunnels in rock	15 000 00	April 17, 1963
United States Air Force AF 33 (616)-6176	Interaction of dissolved interstitial atoms with dislocations	22 500 00	April 15, 1963
United States Army DA-49-193-MD-2212	Antiradiation drugs	500 00	May 7, 1963
United States Atomic Energy Commission AT(11-1)-878	Synthetic capacity of irradiated ciliates	3 500 00	April 26, 1963
United States Atomic Energy Commission AT (11-1)-890	Mechanism of radiation-induced addition of tritium to carbon-carbon double bonds	11 000 00	May 22, 1963
United States Atomic Energy Commission AT (11-1)-1198	Use charge for portion of Materials Research Laboratory used in commission supported research	85 000 00	April 17, 1963
United States Atomic Energy Commission AT (11-1)-1199	Studies of rainout of radioactivity in Illinois	16 000 00	May 16, 1963
United States Navy NObsr-85243	Wide aperture direct finder system	120 050 00	February 11, 1963
United States Navy Nonr-1244(00)	Establish program for training in military and disaster medicine	7 990 00	April 15, 1963
United States Navy Nonr-1834 (02)	Development of radio wave direction-finding techniques	460 000 00	May 15, 1963
United States Navy Nonr-2947 (02) (X)	Mechanics of failure in glass fiber reinforced plastics	60 000 00	May 9, 1963
<i>Total</i>		<u>\$828 102 96</u>	

**Adjustments Made in 1962-63 Cost-Plus Contracts**

<i>With Whom</i>	<i>Purpose</i>	<i>Amount</i>	<i>Date</i>
Harry F. Fisher (Plastering)	Twenty-two items: \$112.19 deduct to \$580.00	\$ 1 910 96	April and May, 1963

**Summary**

Amount to be paid to the University .....	\$1 408 033 96
Amount to be paid by the University .....	5 958 16

This report was received for record.

## PURCHASES

(28) The Director of Purchases has proposed and the Vice-President and Comptroller recommends the following purchases. Unless otherwise specified, the purchase in each case is recommended on the basis of lowest acceptable bid.

The recommendations are presented in two categories: purchases from Appropriated Funds (i.e., from state appropriations to the University), and purchases from Institutional Funds. The latter term is used here to designate funds received by the University under contracts with the United States government, contracts with private corporations and other organizations, from foundation grants, and grants from corporations and other donors, and University revolving funds authorized by law.

*Purchases from Appropriated Funds*

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One automatic x-ray film processing unit, less trade-in of used unit	Radiology, Chicago	Westinghouse Electric Corp., Chicago	\$9 722 15 delivered
Twenty time clocks	Research and Educational Hospitals	Simplex Time Recorder, Chicago	2 950 00 delivered
One multi-channel pulse analyzer complete with spectrum stripping and read-in of fractional values of recorded spectra and typewriter (Note: This purchase will be made from both Appropriated Funds, \$8,520.00, and Institutional Funds, \$4,000.00, for a total of \$12,520.00.)	Engineering, Chicago Undergraduate Division	Radiation Instrument Development Lab., Inc., Melrose Park	8 520 00 delivered
Electronic instruments consisting of seven dual trace oscilloscopes, two pulse generators, one signal generator	Engineering, Chicago Undergraduate Division	Tektronix, Inc., Beaverton, Ore. Oscilloscopes	7 528 22 f.o.b. Beaverton, Ore.
		Hewlett-Packard Co., Inc., Palo Alto, Calif. Generators	2 550 00 f.o.b. delivered (10 078 22)
One electrophorator, with extra tank, two racks and lid and coils for extra tank, to be used in research on protein structure in biochemistry	Chemistry and Chemical Engineering	Gilson Medical Electronics, Middleton, Wis.	2 650 00 f.o.b. delivered
One freeze-thaw unit complete with stainless steel cabinet, controls and $\frac{3}{4}$ horsepower refrigeration unit	Civil Engineering	Logan Refrigeration Co., Logan, Utah	2 889 17 f.o.b. delivered
Nine stereoscope folding mirrors, including 3x magnification, parallax bars, and wooden carrying cases	Civil Engineering	Wild Heerbrugg Instruments, Inc., Port Washington, N.Y.	4 194 00 f.o.b. delivered
One monochromator, double prism, range 200 millimicrons to 20 microns, with slits and illumination optics with accessories to include two sets of dense flint glass prisms, two sets of sodium chloride prisms in mounting cages, and one optical bench for detectors	Mining, Metallurgy, and Petroleum Engineering	W. H. Kessel & Co., Chicago	4 210 00 f.o.b. delivered and installed
3,600 tons crushed rock delivered to Dixon Springs Station during the period July 1, 1963, through June 30, 1964, to be used for various jobs around the Dixon Springs Station	Dixon Springs Station	Southern Illinois Stone Co., Buncombe	8 460 00 f.o.b. delivered
Television monitoring system complete with eight picture monitors, mounting brackets, speakers, and audio-visual receiver with station selector for use in the University's Instructional Television program	Instructional Television	Visual Electronics Corp., New York, N.Y.	3 564 00 f.o.b. delivered
One conversion kit 7 $\frac{1}{2}$ " and 15 ips, field installed	Instructional Television	Ampex Corp., Elmhurst	3 055 00 f.o.b.
One video head assembly with 5 mil tips			Redwood City, Calif.
Yearly affiliation fee for Educational Television Programming Service for the period July 1, 1963, through June 30, 1964, to include videotapes, films, and television recordings to rebroadcast on WILL-TV Channel 12	Television Station	National Educational Television and Radio Center, New York, N.Y.	7 500 00 f.o.b. shipping point

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Eight issues, 1,300 copies per issue, <i>Journal of English and Germanic Philology</i> , trim size 6 in. by 9 in., approximately 192 pages per copy (Note: This purchase will be made from both Appropriated Funds, \$8,000.00, and Institutional Funds, \$7,928.00, for a total of \$15,928.00.)	University Press	George Banta Co., Chicago	\$ 8 000 00 f.o.b. delivered
Print and bind approximately eight issues of <i>Illinois Studies in the Social Sciences</i> during the period July 1, 1963, through June 30, 1965, 1,200 copies per issue, approximately 160 pages per copy	University Press	Pantagraph Printing & Stationery Co., Bloomington	17 212 80 f.o.b. delivered
Print and bind approximately six issues of <i>Illinois Studies in Language and Literature</i> during the period July 1, 1963, through June 30, 1965, 1,100 copies per issue, approximately 300 to 600 pages per copy, trim size 6 in. by 9 in.	University Press	Technipress, Inc., Washington, D.C.	13 435 80 f.o.b. delivered
Print and bind approximately four issues of <i>Illinois Biological Monographs</i> during the period July 1, 1963, through June 30, 1965, 1,000 copies per issue, 150 to 400 pages per copy, trim size 6¾ in. by 10 in.	University Press	Technipress, Inc., Washington, D.C.	10 319 80 f.o.b. delivered
Furnish and install 524 auditorium chairs with tablet arms in lecture rooms in the Physics Building, Stage II	Physical Plant, Architectural Division	Noname, Inc., Galesburg	14 671 32 f.o.b. delivered and installed
Furnish and install 292 upholstered auditorium seats with tablet arms in lecture room in Altgeld Hall, and removal of existing chairs	Physical Plant Storeroom	S. Buckman Furniture & Supply Co., Spring Valley	8 678 23 f.o.b. delivered and installed
90,000 gallons of liquid propane delivered into bulk storage containers, and 40,000 pounds of liquid propane delivered in 100 pound cylinders, including fourteen 500 water gallon vessels, and service regulators required for proper pressure delivery to gas burning appliances and laboratory apparatus, for the period July 1, 1963, through June 30, 1965	Various Departments	Petrolane Chief Gas Service, Inc., Urbana Bulk Gas Pyrofax Gas Corp., Urbana Cylinder Gas	8 721 00   1 960 00 (10 681 00)
Repair of damaged rotating element for Model 3HMTA-8 Ingersoll Rand boiler feed pump and will be available as a spare element for emergency replacement in any of the four boiler feed pumps now installed at the Abbott Power Plant (the previous spare element was put into service as a result of a recent breakdown)	Physical Plant	Ingersoll-Rand Co., Chicago	5 790 00 f.o.b. Chicago

#### *Purchases from Institutional Funds*

One gas chromatograph and accessories	Chromatography, Graduate Research, Chicago	Research Specialties Co., DesPlaines	\$3 415 50 delivered
One vacuum evaporator and accessories for freeze-drying tissues and drying spectrographic film	Histology, Chicago	Kinney Vacuum Division (New York Air Brake Co.), La Grange	2 540 70 f.o.b. Boston, Mass.
One nine-inch image amplifier with cine television attachments, less trade-in of x-ray generator, tube, table, and controls	Medicine, Chicago	Picker X-Ray Corp., Chicago	55 800 00 delivered
One double wall laboratory sterilizer, 16 in. by 16 in. by 24 in.	Preventive Medicine, Chicago	Wilmot Castle Co., Rochester, N.Y.	3 405 00 delivered
One automatic refrigerated centrifuge with rotor	Blood Bank, Chicago	Fisher Scientific Co., Chicago	3 175 00 delivered
500,000 primidone tablets; this is a year's supply of the tablets and anti-convulsant drug used in the treatment of epilepsy	Pharmacy Stores, Chicago	Ayerst Laboratories, Chicago	13 290 00 delivered

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Printing of Congress Circle Union Building Revenue Bonds	Illini Union, Chicago Undergraduate Division	Northern Bank Note Co., Chicago	\$3 774 63 delivered
Linen service for food service departments at the Chicago campuses beginning July 1, 1963, through June 30, 1965	Union Building and Residence Hall Food Service, Medical Center, and Food Service, Chicago Undergraduate Division	American Linen Supply Co., Chicago	13 434 00
Approximately 84,000 tons of coal screenings to be used by the Medical Center Steam Company plant during the period beginning July 1, 1963, and ending June 30, 1965	Physical Plant	Crerar Clinch Coal Co., Chicago	656 040 00 delivered
Furnish labor and materials to erect one machine shed, pole-frame type, 42 ft. wide and 70 ft. long, on the Allerton Farm No. 4	Agricultural Economics	Moore Farm Building Co., Charleston	3 769 00 f.o.b. delivered
One sterilizer, laboratory, steam, approximately 20 in. by 20 in. by 36 in., high-vacuum, rapid, with programming-automatic controls (for sterilization of experimental animal diets in a germ-free laboratory)	Animal Science	American Sterilizer Co., Chicago	6 465 00 f.o.b. delivered
One 400-channel analyzer including IBM automatic "Read-Out" type-writer with associated controls (this equipment is compatible with existing instrumentation of the K40 whole body scintillation counter which will provide automatic recording of data; reports of animal tissue content will be available approximately twelve months earlier than through the manual counting system presently employed)	Animal Science	Radiation Instrument Development Laboratory, Inc., Melrose Park	9 497 50 f.o.b. delivered
Furnish and install twenty farrowing units, each unit to consist of one sow feeder, one creep feeder, one self-washing nursery waterer, one self-washing sow waterer with lid, slotted floor, and mounting stands	Animal Science	Big Dutchman of Illinois, Lincoln	3 824 78 f.o.b. delivered and installed
Furnish and install one automatic feeding unit complete with hopper motor, time clock, trough, chain, and necessary equipment for a completely mechanized feeding system			
Twenty existing farrowing units to be traded in on the above equipment			
Four lots (total 617 tons) wheat and/or oat straw	Animal Science Dairy Science Veterinary Clinical Medicine	Clyde Crawford, Villa Grove H. B. Sanderson, Tuscola Roy E. Rigdon, Ridge Farm Ralph Traxler, Jr., LaPlace	2 085 00 4 225 00 1 700 00 2 340 00 (10 350 00) f.o.b. delivered
(Note: This purchase will be made from both Appropriated Funds, \$5,042.50, and Institutional Funds, \$5,307.50, for a total of \$10,350.00.)			
Fee for the use of two railway cabooses to transport research equipment and personnel to two remote field stations in Canada from July 6 through July 28, 1963, to conduct a National Science Foundation research program to study the effects of a solar eclipse on atmospheric ionization	Astronomy	The Illinois Central Railroad, Chicago	5 289 82 f.o.b. delivered
Aviation gasoline, 220,000 gallons, 80-87 grade; 265,000 gallons, 91-96 grade; 140,000 gallons, 100-130 grade Aviation turbine fuel, kerosene type, 220,000 gallons	Institute of Aviation	American Oil Co., Decatur	140 932 00 f.o.b. delivered
To be delivered as required by the University of Illinois-Willard Airport for the two-year period beginning July 1, 1963 (all quantities are estimates)			

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One aircraft, 1963 model, factory new, single engine, complete with navigation and communication equipment, less trade-in of one aircraft, 1949 model, single engine, to be used in the teaching program of the Institute of Aviation	Institute of Aviation	Streator Air Service, Streator	\$ 5 436 00 f.o.b. delivered
One aircraft engine for replacement in DC-3 aircraft, less allowance for trade-in of one aircraft engine	Institute of Aviation	Southwest Airmotive Co., St. Louis, Mo.	5 850 00 f.o.b. delivered
One volumetric fraction collector with turntable for 13 mm. siphons	Botany	Vanguard Instrument Co., La Grange	3 516 00 f.o.b. delivered
One automatic UV analyzer, including recorder having dual beam operation for use with reference cell			and installed
One spectrograph, grating, large aperture including two accessory gratings, grating holder, lens attachment, and accessory bar for use in research on bindings and structure of metal complexes in the Department of Chemistry and Chemical Engineering	Chemistry and Chemical Engineering	Jarrell-Ash Co., Newtonville, Mass.	13 050 00 f.o.b. delivered
One spectrophotometer, recording with range of 1750A to 8000A, accuracy .005 at 1.0 absorption; slide wire assembly, detector cells, hydrogen lamp and 42 rolls of chart paper, to be used in the study of changes of the spectra of proteins and their constituent amino acids in a variety of circumstances	Chemistry and Chemical Engineering	Applied Physics Corp., Monrovia, Calif.	13 988 00 f.o.b. delivered
One vacuum chamber for crossed molecular beam apparatus to be fabricated, tested, and delivered, to be used to perform fundamental research concerning the basic details of chemical reactions by observing isolated reactive collisions in a vacuum	Chemistry and Chemical Engineering	Richardson Manufacturing Co., Springfield	16 835 00 f.o.b. delivered
One spectrophotometer, infrared, double beam dual grating, automatic recording with spare parts and fifty boxes recording paper, less trade-in of an obsolete infrared spectrophotometer	Chemistry and Chemical Engineering	Perkin-Elmer Corp., Norwalk, Conn.	18 972 00 f.o.b. delivered
11,904 pints acetone reagent grade; 8,488 pints methyl alcohol anhydrous reagent; 6,144 pints chloroform reagent; 10,080 lbs. ether anhydrous reagent in one-pound cans, 2,160 lbs. ether USP in five-pound cans; an estimated one-year's supply in the General Chemical Stores, to be shipped on a monthly basis in quantities of one-twelfth of the above amounts	General Chemical Stores	Mallinckrodt Chemical Works, St. Louis, Mo.	12 371 60 f.o.b. delivered
7,000 lbs. acetic acid reagent; 20,000 lbs. hydrochloric acid reagent; 12,000 lbs. nitric acid reagent; 35,000 lbs. sulphuric acid reagent; 8,000 lbs. ammonium hydrochloric acid technical; 4,900 lbs. inhibited muriatic acid; 8,400 lbs. acetic acid glacial; quantities indicate an estimated need for the period July 1, 1963, through June 30, 1965, to be purchased in minimum 20,000 lb. truck load quantities	General Chemical Stores	General Chemical Division, Allied Chemical Corp., Chicago	22 218 55 f.o.b. delivered
2,500 connectors, taper pin printed circuit, with 44-pin contracts	Digital Computer Laboratory	Methode Electronics, Inc., Chicago	9 125 00 f.o.b. delivered
1,000 transistors, germanium mesa type S-166	Digital Computer Laboratory	Texas Instruments, Inc., St. Louis, Mo.	5 750 00 f.o.b. Dallas, Texas
Transistors: 500 type 2N1305 500 type 2N1306 3000 type 2N1308 1000 type 2N1309	Digital Computer Laboratory	Deeco, Inc., Cedar Rapids, Iowa	3 013 50 f.o.b.

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
10,000 capacitors, monolithic, layer-build ceramic, 0.47 mfd, a5 volts, plus or minus 20 per cent tolerance	Digital Computer Laboratory	Sprague Electric Co., Chicago	\$ 3 450 00 f.o.b. shipping point
One power supply, D.C., 0-36 volts at 1 amp.; line regulation $\pm 0.0002$ per cent or 10 microvolts; load regulation $\pm 0.0005$ per cent or 10 microvolts; transient response 25 nanoseconds or less; voltage protection and temperature protection complete with indicators	Digital Computer Laboratory	Krohn-Hite Corp., c/o Hugh Marsland & Co., Chicago	2 550 00 f.o.b. Cambridge, Mass.
One spectrophotometer, infrared double beam with one external source optical assembly and one external detector optical assembly, to be used in semi-conductor research on P-N junction lasers	Electrical Engineering	Beckman Instruments, Inc., Lincolnwood	19 044 00 f.o.b. delivered
Components for electronic cursor and automatic readout systems for spinning goniometer receiving system, consisting of: six encoders, incremental, miniature, optical type, negative output polarity; three dual readouts; two power supplies, output-18 volts D.C. and +600 volts D.C., three power supplies, output +12V, -12V, +5V, all D.C.; and two encoders, optical type, negative output polarity, flash to interrogate, direct reading	Electrical Engineering	Wayne-George Corp., Newton, Mass.	11 640 00 f.o.b. delivered
One special goniometer system for use in electrical engineering radiolocation research in conjunction with a U.S. Navy research contract	Electrical Engineering	Adams-Russell Co., Inc., Waltham, Mass	87 945 00 f.o.b. delivered
1,600 sets (approximately) fifty prints per set Student Personal Data Sheets, 8½ in. by 11 in., as needed during the period July 1, 1963, through June 30, 1965	College of Engineering Placement Office	Interstate Printers & Publishers, Inc., Danville	4 800 00 f.o.b. delivered
Examinations and technical grading service, special graduate record types, for the period July 1, 1963, through June 30, 1965; based on current use plus a 10 per cent enrollment increase, the quantities are estimated as follows: 1,800 aptitude tests, 18 advanced tests, 826 advanced and aptitude tests	Graduate College	Educational Testing Service, Princeton, N.J.	8 262 00 f.o.b. Princeton, N.J.
Print and bind eight issues of <i>Library Trends</i> , approximately 4,500 copies per issue, approximately 96 pages per copy, trim size 6 in. by 9 in.	Graduate School of Library Science	Pantagraph Printing & Stationery Co., Bloomington	16 771 40 f.o.b. delivered
Eight issues, 2,800 copies per issue, University of Illinois <i>Law Forum</i> , approximately 176 pages per issue, trim size 7 in. by 10½ in.	College of Law	Pantagraph Printing & Stationery Co., Bloomington	21 209 20 f.o.b. delivered
Accessory items for Hitachi HU-11 electron microscope: six stereo specimen holders, one tilting and rotating stage with built-in anticontamination devices and new specimen chamber, one Wehnelt cylinder	Mining, Metallurgy, and Petroleum Engineering	Erb & Gray Scientific, La Grange	4 491 32 f.o.b. Los Angeles, Calif.
One special mass spectrometer for analysis of trace impurities in solids, high sensitivity and resolution, with facilities for recording mass spectra or photographic plates as well as electronic recording	Physics	Picker X-Ray Corp., Chicago	86 600 00 f.o.b. delivered
One lathe, plain bed, removable gap, 17 in. by 78 in. centers, 10 ft. 3 in. bed to be used by the Physics Department in the new Materials Research Laboratory	Physics	The R. K. LeBlond Machine Tool Co., Oak Park	8 271 65 f.o.b. Cincinnati, Ohio
One lathe, tool room, high speed, high precision, small capacity, to be used in Materials Research Laboratory	Physics	Hardinge Brothers, Inc., Chicago	7 279 50 f.o.b. delivered

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
600,000 liters (estimated) high purity liquid nitrogen (lamp grade 99.9 per cent pure) for the biennium July 1, 1963, through June 30, 1965, including one storage vessel of 5,280 gallon capacity, company owned and maintained, to be supplied on a no charge basis; this commodity is used in various manners, for research primarily in the Physics and Chemistry Departments; however, other departments use liquid nitrogen for freezing specimens, preserving foods, and in gaseous electronics	Physics	Linde Co., Chicago	\$42 654 00 f.o.b. delivered
One spectrophotometer, recording with range of 1860A, 0.0001 per cent scattered light, marker pen, power supply detectors, five rolls of chart paper and detector cells for use in Physics Department studies of the color centers in the alkali halides	Physics	Applied Physics Corp., Monrovia, Calif.	18 915 00 f.o.b. delivered
One 400-channel, transistorized pulse height analyzer with three-inch output display oscilloscope, having multichannel scaler operation and both linear and logarithmic display, with provisions for plug-in paper punch system, as well as spectrum resolving equipment	Physics	Technical Measurements Corp., North Haven, Conn.	10 375 00 f.o.b. delivered
One alpha-numeric accounting machine equipped with alpha-numeric tape readout	Physics	Burroughs Corp., Champaign	8 753 80 f.o.b. delivered and installed
One mass spectrometer (helium leak detector) with mobile work stand, nitrogen trap capable of holding a 24-hour supply of liquid nitrogen, and an audio alarm system, to be used for detecting leaks in high and ultrahigh vacuum systems in the Physics Laboratories	Physics	Consolidated Electro- dynamics Corp., Pasadena, Calif.	4 258 00 f.o.b. delivered
2,500 cases (approximately) canine food, special dietary, for the period July 1, 1963, through June 30, 1965	Veterinary Medicine	Holmes Serum Co., Inc., Springfield	12 500 00 f.o.b. delivered
One vacuum evaporator, automatically controlled with attachment for freeze dry apparatus and cold cathode discharge gauge for measurement of vacuum to $2 \times 10^{-7}$ , to be used in preparing specimens for use with an electron microscope	Zoology	MIKROS, Inc., Portland, Ore.	2 853 00 f.o.b. delivered
One composing machine, electric, office type	University of Illinois Com- mittee on School Mathematics	Varityper Corp., Subsidiary of Addressograph- Multigraph Corp., Peoria	3 223 00 f.o.b. delivered
One steel table for the composing machine			
Eight type fonts			
Furnish photographic laboratory services for the period of July 1, 1963, through June 30, 1965, as follows: Process 100,000 ft. 16 m.m. black and white reversal film	University of Illinois Com- mittee on School Mathematics	Fischer Photographic Laboratory, Inc., Oak Park	8 619 10 f.o.b. delivered
Make 100,000 ft. 16 m.m. black and white reversal workprints			
Make color internegative and answer print from 3,000 ft. A-B Ektachrome original and make 3,000 ft. color prints from internegatives			
Construction of greenhouse facility at Dixon Springs Station consisting of the following sections: One 20 ft. by 60 ft. head house (main structure including office area and storage facilities) One 30 ft. by 48 ft. greenhouse One 20 ft. by 48 ft. plastic greenhouse Two 10 ft. by 10 ft. connecting work-rooms	Dixon Springs Station	Thane Building Service Co., Metropolis	6 746 00 f.o.b. delivered and erected
235 housing desks, to be used in the housing units of Orchard Downs Addition	Housing Division	Rockford Furniture Associates, Austin, Texas	13 747 50 f.o.b. delivered

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Furniture for 131 family housing units (one-bedroom and two-bedroom) in the Orchard Downs Addition as follows: 235 headboard beds with metal bed frames 131 chests, five-drawer, with plastic tops 131 tables, dining 1660 chairs, dining, with upholstered seats 131 chairs, lounge, upholstered 262 tables, end, with plastic tops	Housing Division	Associated Service and Supply Co., Chicago	\$57 241 45 f.o.b. delivered
164 sofa-bed combination units with storage drawer for the Orchard Downs Addition	Housing Division	The Englander Co., Chicago	29 047 68 f.o.b. delivered
126 refrigerators, total capacity approximately 9 cubic feet, food compartment capacity approximately 8 cubic feet, freezer chest capacity approximately 1 cubic foot, with two ice trays and one hydrator, non-automatic defrost, to be installed in Orchard Downs units which are being converted from single student housing to married student housing	Housing Division	Frigidaire Sales Corp., Chicago	13 187 16 f.o.b. delivered
Twelve sofas, 72 in., no arms, upholstered	Housing Division	L. B. Herbst Corp., Chicago	2 830 20 f.o.b. delivered
Twelve benches, 60 in., upholstered To be used in Peabody Drive and Gregory Drive Men's Residence Halls			
63½ dozen tablecloths ranging in size from 54 in. by 92 in. to 72 in. by 220 in., damask, ivy pattern, permanent finish, cotton	Illini Union Food Service	William Liddell & Co., Inc., New York, N.Y.	3 329 66 f.o.b. delivered
100 dozen napkins, 22 in. by 22 in., damask, ivy pattern, permanent finish, cotton			
Food handling equipment, aluminum, as follows: Twenty food storage containers with lids Twelve dredges Eighteen dozen pie and cake pans Three dozen loaf pans Six urn cups Thirty-four dozen baking pans and roasters Six slicers	Illini Union Food Service	Twin City Equipment Co., Champaign	2 558 30 f.o.b. delivered
175 (15 per cent more or less) uniforms for Army Advanced R.O.T.C. students	Military Property Custodian	Murray's Uniform Co., St. Louis, Mo.	35 380 00 f.o.b. delivered
138 (15 per cent more or less) uniforms for Air Force Advanced R.O.T.C. students			
For use during 1963-64 academic year; students to be measured and fitted on the Urbana campus			
Print and bind approximately six issues of <i>Illinois Studies in Anthropology</i> during the period of July 1, 1963, through June 30, 1965, 2,000 copies per issue, approximately 500 to 900 pages per copy, trim size 6 in. by 9 in.	University Press	Pantagraph Printing & Stationery Co., Bloomington	20 289 12 f.o.b. delivered
One duplicator, offset, to accept stock 11 in. by 14 in., to be equipped with double sheet eliminator, automatic sheet counter, chrome-plated master cylinder and impression cylinder, chain delivery, receding stacker, and equipped with a color printing head to provide for printing two colors simultaneously	Print Shop	Addressograph-Multigraph Corp., Peoria	5 561 40 f.o.b. delivered
Photoengraving service for the Print Shop for the period of July 1, 1963, through June 30, 1965, to include copper and zinc half-tone engravings (re-etched as necessary) zinc benday and line etchings; all cherry wood mounted and dressed for immediate press uses, including consultation, pickup and delivery services	Print Shop	G. R. Grubb & Co., Champaign	34 800 00 f.o.b. delivered



<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
160 steel bookshelf units, each 36 in. wide by 9½ in. deep by 84 in. high	Office Supply Storeroom	The Interior Steel Equipment Co., c/o Jack Sheean, Bloomington	\$ 5 056 00 f.o.b. delivered
Laboratory gases as required by various Urbana departments for the period July 1, 1963, through June 30, 1965, in the following estimated quantities: Oxygen — 462,276 cubic feet Acetylene — 59,810 cubic feet Nitrogen, High Purity Dry — 347,456 cubic feet Nitrogen, Commercial — 33,600 cubic feet Helium — 15,640 cubic feet Hydrogen — 357,504 cubic feet Argon — 62,280 cubic feet Compressed Air — 12,760 cubic feet	Various Departments	Depke Welding Supplies, Inc., Danville	45 884 08 f.o.b. delivered
Approximately 500,000 pounds of dry ice for use in research laboratories as required for the period from July 1, 1963, through June 30, 1965	Various Departments	Pure Carbonic Co., Chicago	20 000 00 f.o.b. delivered
Gasoline, fuel oil, and solvent to be furnished to various University departments as requested during the two-year period July 1, 1963, through June 30, 1965	Various Departments	Cities Service Oil Co., Champaign Russell Stewart Oil Co., Urbana Mobil Oil Co., Springfield	66 000 00 36 260 88 13 537 00 (115 797 88) f.o.b. delivered
Rental service for the two-year period July 1, 1963, through June 30, 1965, for Illini Union, Residence Halls, and Home Economics cafeteria for the following items: 100,000 coats, military collar, white 170,000 aprons, bib and waist type, white	Various Departments	Illini Linen Service, Inc., Urbana	38 200 00 f.o.b. delivered
Uniform and linen rental services for estimated 36,822 pieces of gowns, aprons, shirts, trousers, jackets, bed and hand linens, and industrial covers for the two-year period July 1, 1963, through June 30, 1965	Various Departments	Champaign Clean Towel Service, Champaign	9 515 19 f.o.b. delivered
Laundry services for various University departments for the period July 1, 1963, through June 30, 1965 as follows: Group I — general laundry services for all departments except the Physical Education schools Group II — laundry services for Physical Education schools (Note: This purchase will be made from both Appropriated Funds, \$26,208.72, and Institutional Funds, \$165,463.64, for a total of \$191,672.36.)	Various Departments	Shelton Laundry, Urbana Group I White Line Laundry, Inc., and Model Souders, Inc., Champaign Group II	165 463 64 26 208 72 (191 672 36)
Roller towel rental service (dispensing cabinets included) for the period July 1, 1963, through June 30, 1965, 60,000 (approximately) rolls, fifty yards each	Physical Plant Storeroom	Champaign-Urbana Clean Towel Service, Champaign	33 000 00 f.o.b. delivered
Two pumps, duplex, automatic return line vacuum heating, large volume air removal, complete with two two-horsepower motors and controls with each unit	Physical Plant	Nash Engineering Co., Chicago	4 942 50 f.o.b. delivered
Furnish and install fire resistant acoustical tile in 35 rooms in David Kinley Hall (15), Lincoln Hall (9), Chemistry Annex (5), and English Building (6)	Physical Plant	Harlan E. Moore & Co., Champaign	14 011 00 f.o.b. delivered and installed
900 each (approximately) fixtures, fluorescent, lighting for two 40-watt lamps and four 40-watt lamps 1,400 each (approximately) louvers, plastic, cube and prism type for above fixtures 1,950 each (approximately) hangers, single stem, for above fixtures	Physical Plant	Tepper Electric Supply Co., Champaign	27 901 50 f.o.b. delivered

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Large lamps (incandescent, fluorescent, mercury) and photographic lamps (projection, photoflash, exciter) to be ordered as required for all three campuses during the period July 1, 1963, through June 30, 1965	Physical Plant	Tepper Electric Supply Co., Champaign Large lamps B. & M. Electrical Distributing Co., Rock Island Photographic lamps	\$152 343 75  10 320 00 (162 663 75) f.o.b. delivered
332 (approximately) batteries, wet storage, of various standard types and sizes for automotive and laboratory use to be purchased as required during the two-year period July 1, 1963, through June 30, 1965	Physical Plant	Montgomery Ward & Co., Urbana	3 719 00 f.o.b. delivered
2,400 (approximately) oil specimens to be analyzed for motor vehicle fleet operation during the period July 1, 1963, through June 30, 1965	Physical Plant	Faber Laboratories, Chicago	4 416 00 f.o.b. delivered
Lumber, miscellaneous, for the one-year period July 1, 1963, through June 30, 1964, in the following estimated quantities projected on current usage: 50,000 bd. ft. No. 3 spruce 74,000 bd. ft. construction fir 13,000 bd. ft. "C" select ponderosa or sugar pine 1,550 bd. ft. fir flooring, clear, edge grain	Physical Plant Storeroom	Hillcrest Lumber Co., Champaign	20 028 26 f.o.b. delivered
Plywood, Douglas Fir, for one-year period July 1, 1963, through June 30, 1964, as follows: 125 sheets exterior A-A 185 sheets exterior A-B 1,890 sheets interior A-B 450 sheets interior A-D 250 sheets interior C-D	Physical Plant	Long Lumber Co., Champaign	12 712 66 f.o.b. delivered
3,000 tons (approximately) sand, trench backfill, as required from July 1, 1963, through June 30, 1965, to be used by Physical Plant Department for various jobs around the Urbana campus	Physical Plant	Somers-Barr Co., Inc., Urbana	3 900 00 f.o.b. delivered
400 yards (approximately) concrete, ready mixed for two-year period July 1, 1963, through June 30, 1965, to be obtained as needed by Physical Plant Department for various jobs around the Urbana campus	Physical Plant	Alpha Material & Fuel Co., Champaign	6 510 00 f.o.b. delivered
18,100 (approximately) building blocks, concrete and haydite, for two-year period, for use by Physical Plant Department for various jobs on the Urbana campus	Physical Plant	Odman-Hecker & Co., Inc., Urbana	3 910 75 f.o.b. delivered
Building materials as required by the Physical Plant Department in small quantities, for one year from July 1, 1963, as follows: 800 sheets tapered edge wallboard 229 sheets asbestos board 100 sheets pressed fibre board 100 sheets insulation board 320 sheets tempered hardboard 50 sheets tempered pegboard	Physical Plant Storeroom	Long Lumber Co., Champaign	5 134 80 f.o.b. delivered
6,000 tons (approximately) crushed road stone binder, No. 8, to be used by Physical Plant Department in various jobs on the Urbana campus over a two-year period	Physical Plant	Harold D. Smith Trucking, Camargo	16 200 00 f.o.b. delivered
1,000 tons (approximately) crushed rock, class X, to be obtained as needed by Physical Plant Department for various jobs on Urbana campus during period July 1, 1963, through June 30, 1965	Physical Plant	Alpha Material & Fuel Co., Champaign	2 646 00 f.o.b. delivered

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
350 tons (approximately) road patching material, sub-class I-11 surface course mixture, to be used by Physical Plant Department for patching jobs on the Urbana campus over two-year period	Physical Plant	Champaign Asphalt Co., Champaign	\$ 3 500 00 f.o.b. Champaign
256,000 tons (plus or minus 20 per cent) coal screenings to be purchased and delivered as needed to Abbott Power Plant for the two-year period from July 1, 1963, through June 30, 1965	Physical Plant	V-Day Coal Co., Danville Republic Coal & Coke Co., Chicago Bell & Zoller Coal Co., Chicago	270 000 00 761 280 00 204 000 00 (1 235 280 00) f.o.b. mine Freight 345 600 00 (1 580 880 00)
Salt as needed during the period July 1, 1963, through June 30, 1965; approximately 20,000 50-lb. bags rock salt; approximately 350 tons bulk rock salt	Physical Plant, Housing Division, and Illini Union	Cargill, Inc., La Salle	17 545 00 f.o.b. delivered
Toilet tissue and paper towel requirements for Urbana and Chicago Departments for the period of July 1, 1963, through June 30, 1965 (estimated quantities: 4,000 cases toilet tissue, 9,000 cases paper towels)	Physical Plant, Urbana and Chicago	Randolph Paper Co., Chicago	66 848 50 f.o.b. delivered
Two containers, refuse, 30 cubic yard capacity, to be used in the refuse collection system on Urbana campus, to be installed in Orchard Downs area for collection of refuse	Physical Plant	Coleman & Associates, Rockford	4 998 00 f.o.b. delivered
Eight sedans, 1963 model, four-door with V-8 engine, automatic transmission (Group 1) less trade-in of eight 1961 sedans	Physical Plant	University Ford, Champaign Group 1 Group 2	6 870 00 2 345 00
Three sedans, 1963 model, compact, four-door with six-cylinder, automatic transmission (Group 2) less trade-in of three 1961 sedans		Rossetter Motor Co., Peoria Group 3	892 00 (10 107 00) f.o.b. delivered
One sedan, 1963 model, four-door with V-8 engine, automatic transmission, power steering and brakes, police car (Group 3) less trade-in of one 1962 sedan			

On motion of Mr. Johnston, these purchases were authorized.

#### JULY AND AUGUST MEETINGS

The Board has previously considered changing the date of its regular July meeting, and President Clement inquired if the Trustees wish to take any action at this time. He also asked if the Board desires to hold a regular meeting in August.

On motion of Mr. Swain, the Board voted to change the date of its regular July meeting from Wednesday, July 17, to Tuesday, July 2, 1963, this meeting to be held in Chicago.

On motion of Mr. Johnston, the Board voted to change the date of its August meeting from Wednesday, August 21, to Thursday, August 1, 1963, to be held in Chicago, with the understanding that if the volume of business does not justify holding a meeting of the full Board, the President will order it cancelled and will call a meeting of the Executive Committee which the other Trustees will be invited to attend.

President Clement reminded the Board that its regular September meeting will be held on Wednesday, September 18, 1963, and that this meeting should be held in Urbana.

**DEGREES CONFERRED IN JUNE, 1963**

The Secretary presented for record the following lists of degrees conferred on candidates at the Medical Center campus on June 7, 1963, and on the other dates indicated, and on candidates at the Urbana-Champaign campus on June 15, 1963, in accordance with the authorization of the Board of Trustees.

**Summary****Honorary Degrees, conferred at Urbana:**

Doctor of Laws.....	1
Doctor of Science.....	3
<i>Total, Honorary Degrees.....</i>	<i>(4)</i>

**Degrees in the Graduate College, conferred at Urbana:**

Doctor of Philosophy.....	146
Doctor of Education.....	8
Doctor of Business Administration.....	1
Master of Arts.....	146
Master of Science.....	346
Master of Music.....	10
Master of Education.....	88
Master of Social Work.....	29
Master of Fine Arts.....	6
Master of Accounting Science.....	7
Master of Architecture.....	4
Master of Comparative Law.....	1
Master of Commerce.....	2
Master of Business Administration.....	5
Advanced Certificate in Education.....	16
<i>Total, Graduate College.....</i>	<i>(815)</i>

**Degrees in Law, conferred at Urbana:**

Bachelor of Laws.....	49
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**Degrees in Veterinary Medicine, conferred at Urbana:**

Bachelor of Science.....	26
Doctor of Veterinary Medicine.....	31
<i>Total, Veterinary Medicine.....</i>	<i>(57)</i>

**Baccalaureate Degrees, conferred at Urbana:**

Bachelor of Science, College of Agriculture.....	170
Bachelor of Science, College of Engineering.....	339
Bachelor of Arts, College of Liberal Arts and Sciences.....	417
Bachelor of Science, College of Liberal Arts and Sciences.....	252
Bachelor of Science, College of Education.....	174
Bachelor of Science, College of Commerce and Business Administration..	296
Bachelor of Science, College of Journalism and Communications.....	53
Bachelor of Architecture, College of Fine and Applied Arts.....	68
Bachelor of Fine Arts, College of Fine and Applied Arts.....	69
Bachelor of Music, College of Fine and Applied Arts.....	6
Bachelor of Science, College of Fine and Applied Arts.....	40
Bachelor of Science, College of Physical Education.....	49
<i>Total, Baccalaureate Degrees.....</i>	<i>(1,933)</i>
<i>Total, Degrees Conferred at Urbana.....</i>	<i>(2,858)</i>

**Honorary Degrees, conferred at Chicago:**

Doctor of Science.....	1
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**Degrees in the Graduate College, conferred at Chicago:**

Doctor of Philosophy.....	17
Master of Science.....	37
<i>Total, Graduate College.....</i>	<i>(54)</i>

## Degrees in Dentistry, conferred at Chicago:

Bachelor of Science.....	49
Doctor of Dental Surgery.....	78
<i>Total, Dentistry</i> .....	(127)

## Degrees in Medicine, conferred at Chicago:

Bachelor of Science in Occupational Therapy.....	10
Doctor of Medicine.....	192
<i>Total, Medicine</i> .....	(202)

## Degrees in Nursing, conferred at Chicago:

Bachelor of Science.....	29
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## Degrees in Pharmacy, conferred at Chicago:

Bachelor of Science.....	132
<i>Total, Degrees Conferred at Chicago</i> .....	(545)
<i>Total, Urbana and Chicago</i> .....	3,403

*Degrees Conferred at Urbana***HONORARY DEGREES****Degree of Doctor of Laws**

HENRY TOWNLEY HEALD, M.S., D.Eng., LL.D., D.C.L., L.H.D., D.Sc.

**Degree of Doctor of Science**

GEORGE WELLS BEADLE, Ph.D., D.Sc.

CARL SHIPP MARVEL, Ph.D., D.Sc.

CLARENCE SAMUEL ROSS, Ph.D.

**GRADUATE COLLEGE****Degree of Doctor of Philosophy***In Accountancy*

ALFRED RAPPAPORT, B.B.A., Western Reserve University, 1954; M.S., 1961

*In Agricultural Economics*

HIROSHI NAKAMURA, A.B., Tokyo University of Foreign Studies, 1954

LEROY FRANCIS ROGERS, B.S., California State Polytechnic College, 1954; M.S., Oregon State College, 1958

PEDRO R. SANDOVAL, B.S., University of the Philippines, 1946; M.S., University of Minnesota, 1956

HERBERT HORST STOEVENER, B.S., Cornell University, 1958; M.S., 1962

*In Agronomy*

JALMER JOHN JOKELA, B.S., M.S., University of Minnesota, 1947, 1951

*In Animal Nutrition*

CHITRA SEN BISWAS, B.S., M.S., University of Calcutta, 1956, 1959

JAMES DAVID ERFLE, B.S.A., M.S., University of Saskatchewan, 1957, 1959

*In Biophysics*

HIROSHI MIZUKAMI, A.B., International Christian University, 1957

*In Botany*

ELMER BURTON HADLEY, A.B., University of California (Santa Barbara), 1958; M.S., 1960

VERN AUGUST MCMAHON, B.S., St. Cloud State College, 1957; M.S., 1959

IKUKO FUKUDA MIZUKAMI, A.B., International Christian University, 1957; M.S., 1958

*In Business*

GEORGE DAUD KANAWATY, B.S., Alexandria University, 1950; M.S., 1961

CLARENCE ALBERT SIMS, B.S., M.S., 1942, 1946

DON ROBERT WEBB, B.S., M.S., University of Missouri, 1952, 1958

*In Ceramic Engineering*

HUBERT RICHARD THORNTON, B.S., M.S., Alfred University, 1954, 1957

*In Chemical Engineering*

BILLY MONROE RIGGLEMAN, B.S., West Virginia University, 1959; M.S., 1961

PAUL VAN SHAW, B.S., M.S., University of Nebraska, 1957, 1960

CLYDE QUITMAN SHEELY, JR., B.S., Mississippi State University, 1959; M.S., 1961

ROBERT ANTON STAGER, B.A.Sc., A.M., University of Toronto, 1959, 1960

*In Chemistry*

ROBERT HANEN CARNIGHAN, A.B., Kenyon College, 1959

JOHN TIMOTHY DONOGHUE, B.S., M.S., University of Massachusetts, 1958, 1960

JAMES LORAN FOGHT, B.S., University of Akron, 1958; M.S., 1960

CARLTON DAN FOOTE, A.B., Central College, 1957

PATRICK EDWARD GUIRE, B.S., University of Arkansas, 1958

ALEXANDER KEITH JAMESON, B.S., B.E.S., M.S., Brigham Young University, 1956, 1957, 1957

THOMAS HERBERT KINSTLE, A.B., Bowling Green State University, 1958

BRUCE HOLMES KLANDERMAN, A.B., Calvin College, 1959; M.S., 1961

THOMAS WILLIAM KOENIG, B.S., Southern Methodist University, 1959; M.S., 1961

DAVID LEE LYDY, A.B., Indiana University, 1958

CHARLES DEAN MITCHELL, A.B., Monmouth College, 1957; M.S., 1961

BEULAH MARIE WOODFIN, A.B., Vanderbilt University, 1958; M.S., 1960

*In Civil Engineering*

PETER KUANG-HSUN DAL, B.S., Taiwan Provincial Cheng Kung University, 1957; M.S., 1960

GEORGE WATKINS GREENWOOD, B.S., University of Maine, 1951; M.S., 1960

GOIN NEIL HARPER, B.S., Massachusetts Institute of Technology, 1959; M.S., 1961

PEDRO JIMENEZ QUIÑONES, B.S., University of Puerto Rico, 1952; M.S., 1957

KAMRAN MAJIDZADEH, Diploma, Teheran University, 1959; M.S., 1960

JOHN DONALD PETERS, B.S., M.S., 1956, 1960

HEDLEY EDMUND HERBERT ROY, B.A.Sc., University of Toronto, 1955; M.S., 1960

MORTIMER DANIEL VANDERBILT, B.S., Ohio University, 1957; M.S., 1961

RICHARD EARL WOODRING, B.S., Drexel Institute of Technology, 1954; M.S., 1956

*In Communications*

JEAN PRANINSKAS, A.B., New York University, 1948; A.M., University of Michigan, 1950

*In Dairy Technology*

MICHAEL EDGECOMBE STILES, B.S., M.S., University of Natal, 1957, 1959

*In Economics*

MICHAEL EDWARD DE PRANO, A.B., Northwestern University, 1955

JOSEPH VAN FENSTERMAKER, B.S., A.M., Kent State University, 1958, 1959

ADOLPH EMANUEL MARK, A.B., De Paul University, 1950; A.M., University of Michigan, 1954

EDWARD DONALD ONANIAN, A.B., Brown University, 1958; A.M., 1961

*In Education*

DALE EUGENE KAISER, B.S., M.S., 1954, 1960

THOMAS EUGENE SPENCER, A.B., A.M., Ball State Teachers College, 1954, 1957

RUTH CAMERON WEBB, A.B., Drew University, 1948; A.M., Syracuse University, 1949

*In Electrical Engineering*

DON ROBERT ALLEN, B.S., University of Michigan, 1948; M.S., Massachusetts Institute of Technology, 1950

JACK ROGER BAIRD, B.S., M.S., 1958, 1959

KEITH GEORGE BALMAIN, B.A.Sc., University of Toronto, 1957; M.S., 1959  
EDWARD PAUL BIALECKE, JR., B.S., M.S., 1956, 1958  
JOHN CHARLES ELSEY, B.S., University of Utah, 1956; M.S., Massachusetts Institute of Technology, 1960  
JAMES BERNARD GERARDO, B.S., M.S., 1959, 1960  
ROBERT WILLIAM KAFKA, B.S., M.S., 1958, 1959  
STEPHEN JAMES KAHNE, B.E.E., Cornell University, 1960; M.S., 1961  
PAUL WILLIAM KLOCK, B.S., University of Missouri, 1957; M.S., 1958  
ROBERT HENRY MACPHIE, B.A.Sc., University of Toronto, 1957; M.S., 1959  
JAMES HARWOOD PUGSLEY, A.B., Oberlin College, 1956; M.S., 1958  
SERGIO TELLES RIBEIRO, Eng., Technical Institute of Aeronautics (Brazil), 1957; M.S., 1961  
FRED JEROME ROSENBAUM, B.S., M.S., 1959, 1960  
RICHARD ROBERT SHIVELY, B.S., M.S., 1956, 1957  
ROBERT JOSEPH STRAIN, B.S., M.S., 1958, 1959

*In English*

CAROLYN SUE FAULK, A.B., Alabama Polytechnic Institute, 1955; A.M., 1957  
CLYDE LEROY GRIMM, JR., B.S., A.B., 1952, 1955; A.M., University of Arizona, 1957  
CHARLES KOBAN, A.B., Pennsylvania State University, 1958; A.M., Columbia University, 1960  
KENNETH LEE LEDBETTER, A.B., Central College, 1956; A.M., 1957  
GENE EMERSON MOROKOFF, A.B., Beloit College, 1949; A.M., University of North Carolina, 1951  
JOAN EVELYN SCHULZ, B.S., M.S., Northern Illinois University, 1952, 1954; A.M., 1958  
EMILY STIPES WATTS, A.B., A.M., 1958, 1959

*In Entomology*

JOHN FREDRIC ANDERSON, B.S., M.S., North Dakota Agricultural College, 1957, 1959  
RONALD HARMON MEYER, B.S., M.S., 1951, 1956  
WILLIAM CHARLES MOYE, B.S., Southern Illinois University, 1958; M.S., 1960  
JAMES WALKER SANFORD, B.S., 1958

*In Finance*

DAVID EDWIN PETERSON, B.S., M.S., 1959, 1961  
SHARDA NAND SINGH, B.Com., Patna University, 1947; A.M., University of Calcutta, 1950; M.B.A., University of Chicago, 1958

*In Food Technology*

DEMETRIOS SPYRIDON SGOUTAS, Diploma, University of Salonika, 1954

*In French*

CHARLES ALOYSIUS BAKER, JR., A.B., A.M., Boston College, 1955, 1956  
RUTH RINGLAND RAINS, B.S., A.M., 1948, 1956  
JOSEPH GARDNER WEBER, A.B., Princeton University, 1953; A.M., 1957

*In Geography*

RICHARD WARWICK ARMSTRONG, A.B., A.M., University of Auckland, 1957, 1959  
DILIP KUMAR PAL, A.B., A.M., University of Calcutta, 1947, 1949; A.M., Yale University, 1955

*In Geology*

ROBERT NORMAN FARVOLDEN, B.S., M.S., University of Alberta, 1951, 1958  
PETER FENNER, B.S., City College of New York, 1959; M.S., 1961  
HENRI EUGENE GAUDETTE, A.B., University of New Hampshire, 1959; M.S., 1962  
GEORGE EDWARD HEIM, JR., B.S., M.S., University of Michigan, 1956, 1957  
PAUL WARREN HUGHES, B.S., Oregon State College, 1948; M.S., University of Arizona, 1950  
NEAL RAY O'BRIEN, A.B., DePauw University, 1959; M.S., 1961  
IRA EDGAR ODOM, A.B., Southern Illinois University, 1956; M.S., 1958  
JOHN BEAUFORT TUBB, JR., B.S., Southwestern Louisiana Institute, 1959; M.S., 1961

*In Horticulture*

RICHARD LAWRENCE LOWER, B.S., 1956; M.S., Purdue University, 1961

*In Library Science*

RICHARD DEAN WALKER, A.B., A.M., Indiana University, 1955, 1957

*In Mathematics*

SIMMIE SAMUEL BLAKNEY, A.B., Tougaloo College, 1950; M.S., 1955

MARVIN WILLARD GROSSMAN, A.B., Queens College, 1959; M.S., 1960

JOHN HENRY HARRIS, B.S., M.S., 1958, 1959

RONALD JOSEPH MIECH, A.B., M.S., 1959, 1961

SURENDRANATH PATNAIK, B.S., Utkal University, 1951; M.S., Benares Hindu University, 1953

WALTER ABRAHAM ROSENKRANTZ, A.B., B.S., University of Chicago, 1957, 1957; M.S., 1959

SANFORD ROY SCHUBERT, B.S., M.S., University of Chicago, 1959, 1959

FRANCIS CHI-YU TANG, B.S., University of Hong Kong, 1957; M.S., University of South Carolina, 1960

RUSSELL ARTHUR WELKER, A.B., M.S., 1956, 1957

*In Mechanical Engineering*

ALVA LEROY ADDY, B.S., South Dakota School of Mining and Technology, 1958; M.S., University of Cincinnati, 1960

STEPHEN ROBERT DAVIS, B.S., Drexel Institute of Technology, 1950; M.M.E., University of Delaware, 1955

A-BEN HUANG, B.S., National Taiwan University, 1957; M.S., 1961

*In Metallurgical Engineering*

KALINATH MUKHERJEE, B.Eng., University of Calcutta, 1956; M.S., 1959

*In Microbiology*

WEN-TAH HSU, A.B., National Taiwan University, 1954

TAMIKO KANO-SUEOKA, A.B., Kyoto University, 1956; A.M., Radcliffe College, 1960

*In Musicology*

ALAN STANLEY CURTIS, B.Mus., Michigan State College, 1955; M.Mus., 1956

*In Philosophy*

JAMES SAYER MINAS, A.B., Wayne State University, 1950

*In Physical Education*

ANNELIS STRANGE HOYMAN, Certificate, Nathalie Zahles Teachers College (Denmark), 1942; Certificate, Denmarks Højskole Legemsøvelser (Denmark), 1943; M.S., 1952

ROY JACOB KELLER, B.S., Winona State Teachers College, 1953; M.S., State College of Washington, 1955

*In Physics*

JOHN ROBERT EHRLMAN, A.B., Oberlin College, 1956; M.S., 1958

DAVID MARKOWITZ, B.S., Massachusetts Institute of Technology, 1956; M.S., 1958

FRANKLIN MOORE PROBST, B.S., Alabama Polytechnic Institute, 1957; M.S., 1959

DAVID ALAN SIMKIN, A.B., Cornell University, 1957; M.S., 1959

JOHN WARREN WILKINS, B.S., Northwestern University, 1959; M.S., 1960

*In Physiology*

JOHN FRANCIS BRUGGE, A.B., Luther College, 1959; M.S., 1961

ROBERT JOHN SIMPSON, A.B., Houghton College, 1950; M.S., 1960

DANIEL SAMUEL ZAHARKO, B.P.E., University of British Columbia, 1953; M.S., 1955

*In Plant Pathology*

WILLIAM LEONARD HAGAN, B.S., M.S., 1959, 1960

*In Political Science*

DWIGHT MARCUS CARPENTER, A.B., A.M., University of Wichita, 1954, 1957



EUGENE EMERSON EVANS, B.S., University of Maryland, 1955; A.M., 1957  
 THOMAS REMEIKIS, A.B., A.M., 1957, 1958

*In Psychology*

SHERMAN LEON GUTH, B.S., Purdue University, 1959; A.M., 1961  
 JERRY WILLIAM KOPPMAN, B.S., University of Kentucky, 1959; A.M., 1961  
 BURTON MARVIN SLOTNICK, A.B., 1958  
 LEE NANCY KAUFMAN SLOTNICK, A.B., Queens College, 1958; A.M., 1960  
 RICHARD ALAN STEFFY, A.B., Albright College, 1958; A.M., 1960

*In Spanish*

JAMES LAWRENCE WALSH, A.B., University of Nevada, 1952; A.M., Mexico City College, 1958

*In Speech*

HUGH PETTIS MUNRO, B.S., A.M., University of Alabama, 1958, 1959  
 CHARLES JOSEPH STEWART, B.S., Indiana State Teachers College, 1958; A.M., 1960  
 PRESTON HEATH TUTTLE, A.B., A.M., 1934, 1956

*In Theoretical and Applied Mechanics*

DONALD FREDERICK ADAMS, B.S., 1957; M.S., University of Southern California, 1960  
 PHILIP EARL BENNETT, B.S., M.S., 1958, 1959  
 JOHN ELLIOTT BOWER, JR., B.S., University of Notre Dame, 1956; M.S., 1957  
 ROBERT DAVIS COOK, B.S., M.S., 1958, 1960  
 RONALD JOHN PLACEK, B.S., M.S., 1958, 1959  
 DARBARI LAL SHARMA, A.B., A.M., University of Panjab, 1944, 1947  
 ERNEST VICTOR WILMS, B.S., University of Manitoba, 1958; M.S., 1960

*In Zoology*

MAJID AHMED AL-RADHAWY, License, Higher Teachers College (Iraq), 1954; M.S., Kansas State University, 1958  
 MARGARET PRATT DYSART, A.B., Winthrop College, 1956; M.S., 1958  
 CLYDE ELLIOTT ROBBINS, B.S., M.S., 1954, 1957  
 FREDERICK HORACE WHITTAKER, A.B., Otterbein College, 1951; M.S., University of Georgia, 1956  
 JOHN LESTER ZIMMERMAN, B.S., M.S., Michigan State University, 1953, 1959

**Degree of Doctor of Education**

*In Education*

ARTHUR LEROY BRUNING, B.S., M.S., South Dakota State College of Agriculture and Mechanic Arts, 1957, 1959  
 ROBERT WILLIAM CULP, B.S., Bradley University, 1948; M.S.W., 1952  
 JAMES LAWRENCE FEJFAR, A.B., University of South Dakota, 1951; A.M., University of Chicago, 1955  
 ROBERT DUANE HARTMAN, B.S., M.S., Illinois State Normal University, 1953, 1956  
 EDWARD WILLIAM KEEN, A.B., Lake Forest College, 1948; Ed.M., University of Missouri, 1954

*In Music Education*

HENRY EDWARD BUSCHE, A.B., Indiana Central College, 1934; M.Mus., University of Michigan, 1945  
 WARREN WILLIAM LUTZ, B.Mus., 1949; A.M., University of Kentucky, 1950  
 CALVIN EARL WEBER, B.S., M.S., University of Pennsylvania, 1950, 1951

**Degree of Doctor of Business Administration**

CLIFFORD MARK NELSON, B.S., M.Com., 1959, 1961

**Degree of Master of Arts**

*In Anthropology*

SELMA ADLER, A.B., Brooklyn College, 1957

HARVEY RUSSELL BERNARD, A.B., Queens College, 1961  
HORACE LEEDOM LEFFERTS, JR., A.B., Colgate University, 1961

*In Art Education*

WILLIAM STANLEY COOKSON, B.F.A., Illinois Wesleyan University, 1957

*In Dance*

JANIS LEE STOCKMAN, B.S., University of Wisconsin, 1958

*In Economics*

HILMA JEAN IVEY, A.B., Illinois College, 1961  
DANIEL BRIAN PETERS, A.B., Valparaiso University, 1962  
RICHARD KENT VEDDER, A.B., Northwestern University, 1962

*In English*

JAMES RUSSELL BURD, B.S., 1961  
BRUCE AUGUSTUS BUTTERFIELD, A.B., Knox College, 1962  
SAMUEL LUTHER WILLIAM CHELL, A.B., Augustana College (Illinois), 1962  
ROBERT MARTIN FOYS, B.S., Loyola University, 1962  
MYRNA JO HANDLEY, B.S., Eastern Illinois University, 1961  
EDWARD FRANCIS HUDAVERDI, A.B., MacMurray College, 1962  
OTIS BIGELOW JOHNSON, A.B., Miami University, 1962  
ROBERT ANTHONY LUCAS, A.B., John Carroll University, 1961  
ROBERT PURKS MACCUBBIN, A.B., Johns Hopkins University, 1961  
KAREN LYNN MCDAVITT, A.B., Monmouth College, 1962  
DONALD THOMAS REILLY, A.B., Youngstown University, 1962  
DONALD ELMER SHEEHAN, B.S., United States Military Academy, 1956  
JULIA AUSRELE SKIRMUNTAS, A.B., University of Wisconsin, 1961  
HENRY WARD SWINSON, A.B., Northwestern University, 1962  
STEPHEN JAMES TELLER, A.B., Roosevelt University, 1962  
MARY LYNN VEACH, A.B., Duke University, 1962  
JAMES HALLEY WHIPPLE III, A.B., Hope College, 1962  
TESSA SHA WONG, Diploma, Chung Chi College, 1955

*In French*

GLENDIA JEAN BROWN, A.B., University of Oregon, 1961  
NADINE ELIZABETH COVERT, A.B., 1961  
SIÂN HUMPHREYS, A.B., University of Durham, 1961  
MATTHEW FRANCIS MAURO, A.B., St. John's University, 1961  
PATRICK DAVID PERSAUD, A.B., 1962  
MARJORIE ANN SNELL, B.S., A.B., Central Missouri State College, 1959, 1959  
CLAIRE CHANTAL SPIRET, A.B., 1962

*In Geography*

JANICE EDITH JONES, A.B., University of Sydney, 1958  
PETER GATHURA KINGORI, Diploma, Makerere College, 1955

*In German*

CHRISTEL WACHSMUTH BELL, A.B., Indiana University, 1961  
WALTER RICHARD FOOTE III, A.B., 1961  
MARGRIT WULFF, Teacher's Certificate, University of Kiel, 1961

*In Greek*

EDWARD WESLEY WALTON, A.B., Carthage College, 1960

*In History*

KENNETH EDWIN BORROWDALE, A.B., 1962  
HENRY LAMAR EATON, B.S., 1959  
HELENE RUDOFF HENRY, A.B., University of Chicago, 1958  
GENEVIÈVE LALOUX JAIN, Lic. ès Lettres, University of Lille (France), 1954

*In Labor and Industrial Relations*

ROBERT JAMES DERRY, B.S., Bradley University, 1953

ALAN JOHN GIBBS, B.S., 1960  
 WENDELL WAYNE MURPHY, B.S., 1961

*In Linguistics*

JOSEPH WAYNE DAGGETT, A.B., University of Maine, 1962  
 JAMES MAURICE FOSTER, B.S., 1962  
 MARTHA CAROLINE WOODELL, B.Mus., A.B., Ouachita Baptist College, 1961, 1961

*In Mathematics*

DONALD WAYNE ADLONG, A.B., Hardin-Simmons University, 1957  
 HOWARD ANTON, A.B., Lehigh University, 1960  
 GEORGE ST. CLAIR BEERS, B.S., M.S., University of Florida, 1955, 1960  
 DERALD DEAN BOLINE, B.S., Kansas State Teachers College, 1958  
 DOYLE LEROY BOSTIC, B.S., Southeastern State College, 1957  
 RALPH SINCLAIR BOTTORFF, A.B., Iowa State Teachers College, 1960  
 STEPHANIE BREWSTER TAYLOR BREWER, A.B., Mount Holyoke College, 1961  
 GARY BENNETT BRINTON, B.S., University of Missouri, 1959  
 ROGER LYLE BROCKMEYER, A.B., State College of Iowa, 1958  
 IRENE VAUGHN BROWN, B.S., Agricultural, Mechanical and Normal College (Arkansas), 1955  
 JOE KERMIT BRYANT, B.S., A.M., California State Polytechnic College, 1959, 1961  
 DAVID MACPHERSON CLARKSON, A.B., Williams College, 1949; A.M., Wesleyan University, 1957  
 DAVID ALLEN CROTHAMEL, B.S., University of Scranton, 1957; Ed.M., Pennsylvania State University, 1960  
 ROBERT DUANE DAVIS, B.S., M.S., Illinois State Normal University, 1958, 1959  
 KEITH ALBERT FAILON, B.S., 1960  
 MATTHEWS IRVING GLASS, B.S., University of Baltimore, 1950  
 KATHRYN MARY GOERING, B.S., Midland College, 1958  
 ANDREW JOHN GUERRIERO, A.B., New Jersey State Teachers College (Montclair), 1960  
 HENRY PHILIAS GUILLOTTE, B.Ed., Rhode Island College of Education, 1959  
 ROBERT LUDWIG HOLMEN, B.S., North Dakota State Teachers College (Minot), 1959  
 ALLEN HAROLD HOLMES, A.B., Carleton College, 1959  
 LAWRENCE CARL HOWARD, JR., B.S., Western Carolina Teachers College, 1954  
 EDWARD MORRILL JACOBS, B.S., M.S., State University of New York College of Education (Brookport), 1957, 1960  
 LOUISE HENRIETTA JOHNSON, A.B., Augsburg College, 1949; A.M., Colorado State College, 1961  
 CHARLES LOUIS KERNER, JR., B.S., West Chester State College, 1950; Ed.M., Temple University, 1956  
 JERRE FRANCIS KILROY, B.S., M.S., State University of New York College of Education (Albany), 1957, 1960  
 NORBERT JAMES KUENZL, B.S., Wisconsin State College (Eau Claire), 1959  
 MIRIAM ARLINE LATSHAW, A.B., Pennsylvania State University, 1959  
 WEN-LAN LIU LEE, A.B., National Taiwan University, 1955  
 ORDA SWAN LEWIS, A.B., Los Angeles State College of Applied Arts and Sciences, 1957  
 FRANCES JOAN MASSER, B.S., 1962  
 WILLIAM ROBERT MCLEAN, B.S., United States Merchant Marine Academy, 1952  
 WILLIAM ANTON MILLER, B.S., M.A.T., Michigan State University, 1956, 1961  
 MARGARET ANNE MIQUELON, A.B., Nebraska State Teachers College, 1956; A.M., Miami University, 1960  
 HARRY GENE MOORE, A.B., Southern Illinois University, 1957  
 EDWINA LATTI MYERS, A.B., A.M., Adams State College of Colorado, 1959, 1961  
 SAM SELF NARKINSKY, B.S., 1961  
 DOROTHY AIKO YAMASAKI ONO, B.Ed., University of Hawaii, 1951  
 JOHN DEMETRIOS PALIOURAS, A.B., Alfred University, 1960  
 MARY PRASCH PALMER, B.Ed., Wisconsin State College, 1959  
 JERRY WAYNE PHILLIPS, B.S., Oakland City College, 1959  
 FRANKLIN EUGENE POWELL, B.S., Florida State University, 1959  
 ROBERT ADAIR PRALL, B.S., Midland College, 1955

KARL CLAIR RAUTENKRANZ, A.B., Oregon State University, 1962  
JOHNNIE BELLE ASHFORD ROSS, A.B., Miles College, 1955  
SISTER CLAUDETTE BURKEL, B.S., De Paul University, 1962  
DONALD LEE STANCL, A.B., Knox College, 1962  
JAMES HENRY STEIN, JR., B.S., 1961  
JOHN KIRKER STEPHENS, A.B., Swarthmore College, 1962  
DON LEON VOILS, B.S., University of Nebraska, 1960  
WILLIAM FRANKLIN WARD, B.S., Iowa State University, 1958  
CHARLES ALONZO WILLIAMS, A.B., Miles College (Alabama), 1960  
FLOYD EARL WILLMORE, B.S., Brigham Young University, 1960  
MELVIN CLEO WITHNELL, B.S., North Dakota State Teachers College (Valley City), 1951; M.S., University of North Dakota, 1958  
BING KUEN WONG, A.B., Kansas State College (Pittsburg), 1961

*In Philosophy*

CHARLES BERNARD FETHE, A.B., Johns Hopkins University, 1962

*In Political Science*

LEON FERN, B.S., Bradley University, 1959

*In Psychology*

ROBERT B. EWEN, A.B., Cornell University, 1961  
RONALD SCOTT KRUG, B.S., 1960  
JEROME DONALD MAURATH, A.B., 1959  
WENDELL CHANDLER SHACKELFORD, A.B., Southern Methodist University, 1961  
IRVING PHILLIP UNIKEL, B.S., 1961

*In Social Sciences*

SHIRLEY LEIBBRANDT STILES, A.B., University of Natal, 1957

*In Sociology*

MAN SINGH DAS, B.S., University of Allahabad, 1955; B.D., Serampore College, 1958; M.T., Princeton Theological Seminary, 1960; A.M. (Education), Morehead State College, 1961  
JAMES WILLIAM HARRIS, A.B., 1960  
EMIL OESTEREICHER, A.B., 1960  
LOUIS ROWITZ, B.S., 1959  
JUDITH BAYER WHITE, B.S., 1959

*In Spanish*

ROBERT BRODY, A.B., Rutgers University, 1962  
VIRGINIA CHRISTINE BURBRIDGE, A.B., University of Delaware, 1962  
SUSAN ANNE CALKINS, A.B., Kalamazoo College, 1961  
LUCIE WELLES CLARK, A.B., Stanford University, 1953  
MARCIA HATHORNE GROHNE, A.B., 1960  
GERALD WEGENER PETERSEN, A.B., Brigham Young University, 1961  
EDNA NICIE SIMS, A.B., 1962  
DENEITH LOUISE WILSON, A.B., Baker University, 1961

*In Speech*

PHILLIPS RANDOLPH BIDDLE, B.S., Portland State College, 1961  
JANET AMBER CLARK, A.B., University of Delaware, 1961  
LYDIA LANDIS HOLQUIST, A.B., Rockford College, 1957  
SARAH JANE HOWARD, A.B., Phillips University, 1962  
ELIZABETH LOUISE MICHENER, B.S., 1960  
ESTHER GREENE ROWITZ, B.S., 1962  
GEORGE EVERETT TUTTLE, JR., B.S., Illinois State Normal University, 1958

*In the Teaching of English*

MARCIA SUZANNE KUHN, A.B., Pennsylvania State University, 1962  
BARBARA ANNE MCCALL, A.B., George Washington University, 1953

*In the Teaching of German*

BEVERLY PAUL BOARDMAN, A.B., Mount Holyoke College, 1959

ESTHER MARGARET JANKOVICS, A.B., 1961  
 IRMGARD JOCHUM, A.B., 1962

*In the Teaching of Latin*

BYRON THOMAS BEKIARES, A.B., 1961

*In the Teaching of Social Studies*

DANIEL WASHBURN CAIN, A.B., 1953  
 VIRGINIA LEE COLSON, B.S., Kent State University, 1956  
 TIMOTHY HAROLD LITTLE, A.B., Grinnell College, 1962  
 PHILIP STEPHEN PISZEK, A.B., 1961  
 CONSTANCE MARTHA ROGIER, B.S., University of Wisconsin, 1959  
 PAUL WILLIAM STEINBECK, JR., A.B., 1960

*In the Teaching of Speech*

ELMA KUM CHINN LUKE, B.Ed., University of Hawaii, 1961  
 MILNOR KUM LYNN LUKE, B.Ed., University of Hawaii, 1961

**Degree of Master of Science**

*In Accountancy*

JAMES FREDERIC ANTONIO, B.S., Miami University, 1961  
 ROBERT EDWARD GENTRY, B.S., 1949  
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*In Aeronautical and Astronautical Engineering*

FRANCIS HENRY BERGONZ, B.S., 1956  
 JAMES RONALD CLEMENTS, B.S., University of Alabama, 1961  
 WILLIAM ANTHONY MEYER, B.S., 1960  
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*In Agricultural Engineering*

EARL ALFRED HUDSON, B.Agr.E., Cornell University, 1961  
 WILLIAM RALPH NAVE, B.S., University of Tennessee, 1954  
 ROBERT EARL REINTS, JR., B.S., 1960

*In Agronomy*

ALBERT THOMAS HALM, B.Sc., University College of North Wales, 1960

*In Animal Science*

DAVID HIRAM BAKER, B.S., 1961

*In Architectural Engineering*

WALTER THOMAS MOSKE, B.Arch., 1962  
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*In Astronomy*

MALCOLM ISAAC RAFF, A.B., Gettysburg College, 1961

*In Biological Sciences*

GARY ALAN MITCHELL, B.S., 1962  
 LEWIS JOEL MYLES, B.S., 1961

*In Biophysics*

RAMADAN ISSA SHA'AFI, B.S., 1962

*In Botany*

MAARIB DARWISH LUTFI BAKRI, B.S., 1961  
 ISHEMAT SOERIANEGARA, Eng., University of Indonesia, 1961  
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*In Ceramic Engineering*

GEORGE ANTHONY PECORARO, B.S., 1962

*In Chemical Engineering*

JACK SOLOMON BERGER, B.Ch.E., Cooper Union, 1961

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*In Chemistry*

RICHARD DALE BANKERT, B.S., University of Pittsburgh, 1961

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ELIZABETH MARIA BILSON, License, Sorbonne, 1960

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CAROL LEE DEWITT, B.S., Illinois State Normal University, 1959

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JUNE ROSE GRAY, B.S., University of Rangoon, 1960

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ARTHUR LONNE LANE, A.B., Harvard College, 1961

RICHARD GREGG LETT, B.S., Michigan State University, 1961

KENNETH ROSS LUCAS, B.S., University of Pittsburgh, 1961

MAURICE CHARLES NORTON, A.B., St. Paul Seminary, 1952; B.S., 1961

DAVID ALVIN PAYNE, A.B., Chico State College, 1961

REGINALD TURNER PUCKETT, B.S., University of Richmond, 1961

MILTON JEROME SABACKY, A.B., Coe College, 1961

HILDA ANN SCHWARTZ, B.S., Bucknell University, 1962

OLIVER SEELY, B.S., California Institute of Technology, 1961

GERALD EUGENE SIPES, A.B., Indiana Central College, 1961

THOMAS MARTIN WARNE, JR., A.B., Yale University, 1961

PAX SAMUEL PIN WEI, A.B., National Taiwan University, 1960

*In City Planning*

GOPAL KRISHNA KANHERE, B.Arch., University of Bombay, 1959

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ERWIN LEWIS WILLIAMS, B.Arch., University of Nebraska, 1961

*In Civil Engineering*

MOHAMMAD ALI AKBARIAN, Diploma, Teheran University, 1960

EDMUND FREDERICK BENARD, B.S., University of the Witwatersrand, 1961

ROBERT GEORGE BENING, B.S., University of Missouri, 1955

DANIEL MASON BROWN, B.S., Duke University, 1961

NORMAN KENT BROWN, B.S., Case Institute of Technology, 1958

SAMUEL PICKENS COLLINS, JR., B.S., United States Military Academy, 1958

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OLIN LAMAR DIXON III, B.C.E., Rensselaer Polytechnic Institute, 1955

ALBERT FRANCIS DORRIS, B.S., United States Military Academy, 1959

JAMES AARON EDDINGS, B.S., Clemson Agricultural College, 1962

NORBERTO LUCHANGCO FAUSTINO, B.S., Mapua Institute of Technology, 1961

MOHAMED KAMEL GAMAL EL-DIN, B.C.E., Cairo University, 1959

SUDHINDRA GUPTA, B.Eng., University of Calcutta, 1956

RONALD ERNEST HUDSON, B.S., United States Military Academy, 1958

CHANDAN MAL JAIN, B.Eng., University of Rajasthan, 1961

KRISHAN KUMAR JAIN, B.S., University of Delhi, 1954; B.Eng., University of Roorkee, 1957

THEODORE DALE JOHNSON, B.S., 1962

VASANT RAMCHANDRA KALE, B.Eng., Benares Hindu University, 1958

AZER KEHNEMUIPUR, B.S., Robert College, 1962

LAWRENCE JOSEPH KRAMER, B.C.E., University of Dayton, 1962

DAVID MILLER LEE, B.C.E., University of Delaware, 1962

RALPH LEIBE, B.Eng., McGill University, 1960

JOHN WILLIAM LEONARD, B.S., Tufts University, 1962

EDWARD JONG-TSUEY LIU, B.S., Taiwan Provincial Cheng Kung University, 1959

YU-CHIAO LO, B.S., Taiwan Provincial Cheng Kung University, 1959  
 LEONARD ANTHONY LOPEZ, B.S., Tufts University, 1962  
 WARD ROYCE MALISCH, B.S., 1961  
 WALTER LYLE MEYER, B.S., 1962  
 LOESAKDI NANTHIVACHRINTR, B.S., Chulalongkorn University (Thailand), 1960  
 JAMES EDWARD NEBRASKA, B.S., Ohio University, 1962  
 JERRY FRANK PAROLA, B.S., 1962  
 RAOUF ABDUL RIDHA, B.S., University of Baghdad, 1959  
 GEORGE ROGERS ROBERTSON, B.S., United States Military Academy, 1958  
 CLAUDIO SANCHEZ RAMOS, Civil Engr., National University of Colombia, 1961  
 LESLIE HOWARD SAVAGE, B.S., Virginia Military Institute, 1958  
 ROBERT EUGENE SHEWMAKER, B.S., 1962  
 CARLOS SZAPSIK SIMENSTEIN, Civil Engr., National Autonomous University of Mexico, 1961  
 DREW ANTHONY TIEDEMANN, B.S., 1962  
 JOHN HENRY VICKERS, B.S., United States Military Academy, 1957  
 ROBERT JOE WESTBERG, B.S., United States Naval Academy, 1955; B.C.E., Rensselaer Polytechnic Institute, 1958  
 ROBERT HILTON WORTMAN, B.S., University of New Mexico, 1957  
 DAVID DONALD YOUNG, B.Eng., McGill University, 1960  
 MEHDI SHAGHAGHI ZARGHAMEE, B.C.E., Georgia Institute of Technology, 1962

*In Dairy Science*

JOHN ARTHUR BINES, B.S., Wye College, University of London, 1961  
 ZEPHANIAH OWIRO, B.S., 1962

*In Dairy Technology*

NICHOLAS P. MELACHOURIS, Graduate, Highest Agricultural School (Athens), 1958

*In Economics*

JOHN MICHAEL BOIE, B.S., 1962  
 LAWRENCE ARTHUR BOLAND, B.S., Bradley University, 1962  
 ROBERT CHARLES CIRESE, B.S., DePaul University, 1960  
 CHARLES HENRY CLINE, B.S., 1960  
 SANFORD MONZEL MARTIN, JR., A.B., Southern Illinois University, 1961  
 AARON DAVID METZ, B.S., 1958  
 RICHARD WAYNE TRUELICK, B.S., 1962

*In the Education of Mentally Handicapped Children*

RITA BORRI REIMAN, B.S., 1959

*In Electrical Engineering*

SADANAND DINKAR AGASHE, B.Eng., University of Bombay, 1961  
 ALLEN MARSHALL BARNETT, B.S., 1962  
 RODOLFO BETANCOURT DEL RIO, Licenciado, Institute of Technology and Higher Studies of Monterrey (Mexico), 1962  
 JAMES DALE BOYD, B.S., 1962  
 DIREK CHAROENPHOL, B.E.E., Clarkson College of Technology, 1961  
 NICHOLAS DELVECCHIO, B.S., Tufts University, 1962  
 PHILLIP HARRIS DOPPELT, B.S., 1961  
 RICHARD HENRY ECKHOUSE, JR., B.E.E., Cornell University, 1962  
 JOHN PAUL FALLON, B.S., Tufts University, 1962  
 MELVIN IVAN GASPER, B.S., State University of Iowa, 1962  
 SUJOY KUMAR GUHA, B.Tech., M.Tech., Indian Institute of Technology, 1961, 1962  
 DENNIS CALVIN HALL, B.S., 1962  
 DORAN DAVID HERSHBERGER, B.S., Case Institute of Technology, 1945; A.B., Goshen College, 1946  
 RAYMOND JOHN HOAGLIN, B.S., Arizona State University, 1962  
 GARY FREDRICK HOECH, B.S., University of Missouri School of Mines and Metallurgy, 1961  
 JAY HOUSHOLDER, B.S., University of Missouri School of Mines and Metallurgy, 1962  
 EDWARD HUDOCK, B.S., University of Michigan, 1952

DONALD ALOYSIUS KASNAK, B.S., 1962  
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 KOMANDUR RAMU KRISHNAN, B.Eng., Nagpur University, 1962  
 CLARK NELSON KURTZ, B.S., South Dakota School of Mines and Technology, 1959  
 WING CHIU LEUNG, B.S., 1962  
 BERNARDO LEVY, Licenciado, Institute of Technology and Higher Studies of Monterrey (Mexico), 1962  
 JOHN ROBERT LINFORD, B.E.S., Brigham Young University, 1960  
 JOSEPH GEORGE MCCARTHY, B.S., 1962  
 ARCHIE CHARLES MCKELLAR, B.S., University of Alberta, 1958  
 JOHN MICHAEL MOTIL, B.S., University of Alberta, 1960  
 DONALD STEWART PARRY, B.S., Purdue University, 1955  
 EDWIN LEWIS POST, B.Eng., Stevens Institute of Technology, 1962  
 WILLIAM LEE RICKHOFF, B.S., Valparaiso University, 1961  
 ROBB NICHOLS RUSSELL, B.S. (Engineering), B.S. (Electrical Engineering), Trinity College, 1960, 1961  
 STEVEN BROWNING SAMPLE, B.S., 1962  
 ALBERTO MAYER SASSON McKEOWN, B.S., 1961  
 HAROLD SHICHMAN, B.S.E., University of Michigan, 1962  
 RAM SHANKAR SHUKLA, B.Eng., M.Eng., University of Jabalpur, 1957, 1960  
 JOHN LUCIAN SPELLMAN, B.S., 1962  
 SHEO PRASAD SRIVASTAVA, B.S., M.S., Benares Hindu University, 1951, 1953  
 THOMAS JOHN ULASZEK, B.S., 1962  
 TAKAO UTSUMI, B.S., University of Tokyo, 1956  
 PAUL FRANCIS VIROBIK, B.S., 1962  
 RICHARD JAMES WALLSTROM, B.S., 1959  
 RICHARD MICHAEL WHITE, B.S., 1962  
 ROBERT EDWARD WILLARD, B.S., 1962  
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*In Entomology*

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*In Food Technology*

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*In Geology*

MOHAMED TAHA EL-ASHRY, B.S., Cairo University, 1959  
 JACK ROGER PALOMINO CARDENAS, Ing.Geol., National University of San Marcos (Peru), 1961

*In Health Education*

MICHAEL HERBERT MOSTOW, B.S., Brooklyn College, 1962  
 ZANDER PONZO, B.S., College of the City of New York, 1962

*In Home Economics*

SARA UMBERGER DOUGLAS, B.S., Kansas State University, 1961  
 AUDREY GRONERT GIESEKING, B.S., 1961  
 CORINNE PETRUSIA MARIE GRESCHUK, B.S., University of Alberta, 1961  
 JUNE LOUISE HEFTER, B.S., 1960  
 QUEI-SHOW HWANG, B.S., National Taiwan University, 1960  
 NANCY LEE OVERPECK KEPPLER, B.S., University of Miami, 1960

*In Home Economics Education*

GLENN JEAN BLUNIER, B.S., 1961

*In Horticulture*

BHOLA NATH MAZUMDAR, B.S., Benares Hindu University, 1948

*In Journalism*

IRA LEE BAKER, A.B., Wake Forest College, 1936; A.M., Columbia University, 1952

*In Library Science*

MARY JOYCE BAKER, A.B., Simpson College, 1962  
 ANNA MARIE BOSELY, A.B., West Virginia University, 1962



MARY HUDSON BRICKEY, A.B., 1962  
 MARGOT GOWDY BROCKMEYER, A.B., Cornell College, 1958  
 CAROL LEE DOTY, B.S., Wheaton College (Illinois), 1954  
 LUCY EMILY GRIMM, A.B., Dickinson College, 1961  
 SAUNDRA BETH HARRY, B.S., University of Omaha, 1957  
 LORRAINE ETHEL HARTWICK, A.B., Augustana College, 1958  
 SANDRA OTT HERZINGER, A.B., Nebraska Wesleyan University, 1960  
 CLAYTON DOUGLAS HIGHUM, B.S., Mayville State Teachers College, 1956; M.S., State Teachers College (St. Cloud, Minnesota), 1960  
 PATRICIA ANN HUDSON, B.S., 1958  
 EVELYN LEONA JOHNSON, A.B., Augustana College, 1953  
 MARY MCANULTY LANDON, A.B., North Texas State University, 1961  
 JULIA YUN-CHU TANG LEE, A.B., National Taiwan University, 1956  
 WEI-CHENG LEE, A.B., National Taiwan University, 1955; M.S., Southern Illinois University, 1962  
 RUTH GODFREY LINDAHL, A.B., 1958  
 GERALDINE MARILYN LONG, A.B., Asbury College, 1958  
 SARA FISTER MACALPINE, A.B., Syracuse University, 1931  
 CLOE LOIS BEDFORD OSBORN, B.S., A.M., 1938, 1957  
 MARGARET KAREN PALMER, A.B., Washington University, 1961  
 JOHNNIE LOUISE PHILLIPS, B.S., Loyola University, 1961  
 ALBERTA LOUISE RICHELLE, B.S., New Haven State Teachers College, 1961  
 WILBUR KIRKWOOD ROSENKRANZ, B.S., 1962  
 JOHN BARTHOLOMEW ST. LEGER, A.B., A.M., University of Richmond, 1956, 1961  
 ROZELLA BLOOD SMITH, A.B., M.S., University of Wichita, 1932, 1933  
 MARY ELLEN SOPER, A.B., 1955  
 TED FILO SRYGLEY, A.B., University of Florida, 1960  
 MATILDA THOMPSON STARNES, A.B., University of Oklahoma, 1941  
 KAREN ELAINE SUTHERLAND, A.B., Carroll College, 1962  
 SAMUEL CURTISS TEFFT, A.B., Grinnell College, 1962  
 ELIZABETH SCROGHAM VIERLING, B.S., 1962  
 MARILYN RUTH VOEGELE, A.B., University of Colorado, 1958  
 LUCILLE MATHENA WERT, A.B., Morningside College, 1942; B.S., Simmons College, 1945  
 PATRICIA JEAN WILSON, A.B., 1962

#### *In Management*

EDWARD THOMAS GRAENING, B.S., Evansville College, 1958  
 ROBERT ROY WEHRLE, B.S., 1958

#### *In Marketing*

JOSEPH WELLS SKEHEN, B.S., 1960

#### *In Mathematics*

ROBERT JEFFERY ALEXANDER, B.S., Bowling Green State University, 1961  
 ROBERT EDWARD COMLEY, B.S., M.S., State University of New York College of Education (Albany), 1955, 1957  
 CHARLES GOOD DENLINGER, A.B., Elizabethtown College, 1961  
 GORDON KENDRICK DICKER, B.S., United States Military Academy, 1947; M.S. (Physics), 1952  
 DAVID JOSEPH GRIES, B.S., Queens College, 1960  
 TERRENCE JOSEPH HOBIN, B.S., Illinois Institute of Technology, 1961  
 KAREN ESTELLE KRULL, A.B., Carthage College, 1961  
 PRESSLEY WARWICK MILLAR, A.B., Brown University, 1961  
 PHILIP NEWCOMB NANZETTA, B.S., North Carolina State College of Agriculture and Engineering, 1962  
 BARBARA JEAN PARDINI, B.S., 1960  
 THOMAS GEORGE RALLEY, B.S., Illinois Institute of Technology, 1961  
 WILLIAM ALBERT SANDERS, A.B., Rockford College, 1962  
 PAUL HANSON TINGLEFF, B.S., 1961  
 GARY ROGER TIPPETT, B.S., Bradley University, 1961  
 ROBERT GREIG WARD, A.B., DePauw University, 1955

*In Mechanical Engineering*

GENE FREDERICK AHLQUIST, B.S., 1962  
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PROBIR KUMAR CHATTERJEA, B.S., Bihar University, 1954; B.Tech., Indian Institute of Technology, 1958  
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JAMES MARTIN SIGLER, B.S., United States Military Academy, 1958  
JAMES JOSEPH STUKEL, B.S., Purdue University, 1959  
DANIEL WILLIAM SUTHERLAND, B.S., University of Colorado, 1961  
BARD CLARK TEIGEN, B.S., Montana State College, 1962

*In Metallurgical Engineering*

PATRICIA MAE BUNN, A.B., St. Joseph College (Connecticut), 1960  
JON OTTO NELSON, B.S., Purdue University, 1961  
ROBERT PAUL ZERWEKH, B.S., University of Missouri School of Mines and Metallurgy, 1961

*In Microbiology*

SONDRA ROBERTA STEIN, B.S., 1962

*In Mining Engineering*

DILIP KUMAR SEN, B.S., University of Calcutta, 1942; Diploma, Indian School of Mines, 1948

*In Music Education*

JAMES ZUILL BAILEY, B.S., East Carolina College, 1962  
MICHAEL DONALD BENNETT, B.Mus., University of Arizona, 1960  
TERRY JAY BRENNAN, B.Mus., MacMurray College, 1962  
GLEN ROY DANIELSON, B.Mus.Ed., Milton College, 1959  
MICHAEL JOHN DELANEY, A.B., Elmhurst College, 1957  
BONZIE MAE GILBERT, B.Mus., Baldwin-Wallace College, 1957  
TERRY HAMILTON HOWARD, B.S., Ithaca College, 1961  
JAMES BROWN LYKE, B.S., State University of New York College of Education (Fredonia), 1954; A.M., Teachers College, Columbia University, 1959  
LAURENCE ALFRED MACK, B.Mus.Ed., Northwestern University, 1962  
EDDIE SPENCER MEADOWS, B.S., Tennessee Agricultural and Industrial State University, 1962  
MARTHAN DUSCH ROBERTS, B.Mus., MacMurray College, 1951  
BYRON LEON RODERICK, B.S., Illinois State Normal University, 1962  
GAYLORD DEAN SPOTTS, B.S., 1956  
WILLIAM HARPER TREXLER, B.S., 1960  
ARLENE JOANNE VERBESKI, B.Mus., 1961  
JAMES RONALD VON FELDT, B.Mus.Ed., University of Wichita, 1962  
BENJAMIN EDMUND WILLIAMS, B.S., 1957  
BENJAMIN WILSON WOODRUFF, JR., A.B., University of South Carolina, 1961

*In Nuclear Engineering*

BERNARD HUGH CHERRY, B.S., 1962  
KIN YING CHEUNG, B.S., University of Michigan, 1961  
NELSON SUTTON DEMUTH, JR., B.S., Virginia Polytechnic Institute, 1961  
JOHN PHILIP KUTZ, B.S., 1962  
WILLIAM JOSEPH WESTHOFF, Geophysical Engr., Colorado School of Mines, 1955; M.S. (Civil Engineering), 1963  
SAIYID MOHAMMED NAQI ZAIDI, B.S., Aligarh Muslim University, 1950; M.S., University of Colorado, 1956

*In Physical Education*

- JAMES HAROLD BISHOFF, B.S., 1962  
RAYMOND FRITZIOF CARSON, A.B., Augustana College, 1961  
WILLIAM LEAS HASKELL, A.B., University of California (Santa Barbara), 1960  
KATHLEEN FRANCES HEATH, A.B., Marylhurst College, 1953

*In Physics*

- JOHN LAURENCE ANDERSON, JR., B.S., Eastern Kentucky State College, 1961  
ANDRAS MIKLOS BARDOS, Matura, Budapest, 1956; B.S., 1962  
WILLIAM ERIC BAYLIS, B.S., Duke University, 1961  
EUGENE WILLIAM BEIER, B.S., Stanford University, 1961  
CHEUK-KIN CHAU, A.B., MacMurray College, 1962  
FREDERICK YI-TUNG CHO, B.S., University of California (Los Angeles), 1962  
DONALD JOHN DESMET, B.S., 1962  
RONALD HART DURRETT, B.S., 1962  
CHARLES ARTHUR EBNER, A.B., Cornell University, 1962  
JOSE GRANES SELLARES, B.S., 1962  
DAVID GORDON HAMBLIN, A.B., Williams College, 1962  
ROBERT WILLIAM HOSKEN, B.E.E., Polytechnic Institute of Brooklyn, 1961  
BRIAN CHARLES KOLETO, B.S., 1962  
ALFRED ADAM KUGLER, B.S., McMaster University, 1962  
TAE JOURN LIE, B.S., Seoul National University, 1958  
WILLIAM ROBERT LIEB, B.S., 1962  
JOHN HOOD LOWENSTEIN, A.B., Harvard College, 1962  
JERROLD LLOYD McNATT, B.S., Wheaton College, 1962  
EDGAR EUGENE MORRIS, B.S., Ottawa University, 1961  
MILES ANTHONY NELSON, B.S., 1962  
KAUNG NYUNT, B.S., University of Rangoon, 1959  
WILLIAM DOUGLAS PHELPS, B.S., University of Massachusetts, 1961  
ROBERT FRANCIS PIERRET, B.S., Case Institute of Technology, 1962  
CHARLES GORDON ROBBINS, B.S., Massachusetts Institute of Technology, 1961  
DAVID ALLAN ROBINSON, B.S., Stanford University, 1961  
FREDRICH ADAM ROHATSCH, B.S., 1962  
JEFFREY DAVID ROSENTHAL, A.B., Williams College, 1962  
ALEXANDER SHAPIRO, B.S., McGill University, 1961  
JOHN ERNEST SMITH, JR., B.S., Massachusetts Institute of Technology, 1961  
VICTOR G. STOTLAND, B.S., Illinois Institute of Technology, 1962  
ROY CANNON THATCHER, B.S., Stanford University, 1961  
THERESA SHU-YI WANG, B.S., National Taiwan University, 1960  
DAVID WALTER WILSON, B.S., 1961  
MARVIN JOHN WOODRING, B.S., Montana State College, 1959

*In Physiology*

- JAMES MELVIN FREED, B.S., McPherson College, 1961  
KEUN SHIL LEE, B.S., Yonsei University (Korea), 1959  
JERRY ROYCE REEL, A.B., Indiana State Teachers College, 1960  
JAMES MICHAEL WALIGORA, B.S., 1961  
HARVE CLARK WILSON, A.B., Indiana University, 1961  
JOHN DRENNAN WILSON, A.B., Carleton College, 1960

*In Plant Pathology*

- JAMES ARTHUR BAULING, B.S., 1961

*In Radio and Television*

- ROBERT ORAL ENDRES, B.S., 1962  
MARY ALICE MAYER, A.B., Clarke College, 1962

*In Recreation*

- DAVID LEE GOSSARD, B.S., 1961  
JAMES LEROY THOMAS, A.B., Cornell College, 1959

*In Sanitary Engineering*

- SAMBHUNATH GHOSH, B.Eng., University of Calcutta, 1956  
RICHARD PAUL KAPTAIN, B.S., 1954

LOUIS WILLIAM LEFKE, B.S., 1958  
DONALD WAYNE NEIBEL, B.S., 1961  
CHARLES HAYDEN SMITH, B.S., 1955

*In Speech Correction*

JUDITH ANN COOK, A.B., Mundelein College, 1962

*In the Teaching of Biological Sciences and General Science*

LAWRENCE BERNARD BRUEGGEMAN, B.S., 1952  
ROBERT KEITH HANSON, B.S., Illinois State Normal University, 1960

*In the Teaching of Chemistry*

KEITH MELVIN LEEDY, B.S., 1962  
MARVIN FRANCIS MEISSEN, B.S., 1958

*In the Teaching of Mathematics*

DAVID KYDD BATCHELOR, B.S., South Dakota State College, 1962  
FREMONT CHESTER FERCHEN, B.S., Niagara University, 1950  
DAVID PAUL LIEBCHEN, B.S., Capital University, 1962  
KENNETH LEE McCORD, B.S., Nebraska State Teachers College (Kearney), 1950  
INEZ WHEELER WESTGATE, A.B., Radcliffe College, 1961  
RONALD TODD WRIGHT, B.S., 1959

*In Theoretical and Applied Mechanics*

CARSON THURSTON BROWN, B.S., 1962  
PETER JANZEN, B.S., University of Alberta, 1961  
ERNEST VANCE LENZI, B.S., 1962  
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TOM MAX MULCAHY, B.S., 1961  
WALLACE WILLIAM NOLL, B.S., United States Military Academy, 1953  
CLAUDIO EDMONDO TODESCHINI, B.S., University of Capetown, 1959  
WILLIAM ALAN VAN DER SLUYS, B.S., Michigan College of Mining and Technology, 1961  
EDWARD MING CHI WU, B.S., 1960

*In Veterinary Medical Science*

MICHEL G. COTÉ, Certificate, School of Veterinary Medicine of Quebec, 1960  
BRONISLAW MENDLOWSKI, Vet.Physician, Veterinary College of Edinburgh, 1944  
HARRY AARON REYNOLDS, JR., A.B., Gettysburg College, 1952; D.V.M., University of Pennsylvania, 1956  
JAMES BRANNON SHARP, JR., D.V.M., University of Georgia, 1956  
LAL MADHO SINGH, B.V.Sc. and A.H., Agra University, 1960

*In Zoology*

ROLLIN DAVID ANDREWS III, B.S., Eastern Illinois University, 1955  
RUSSELL PAUL BALDA, B.S., Wisconsin State College (Oshkosh), 1961  
WILLIAM STEWART BROOKS, A.B., Ripon College, 1960  
LOIS STEBEN HAERTEL, B.S., 1961  
HAROLD WILLIAM LUNT, A.B., University of California (Santa Barbara), 1956  
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**Degree of Master of Music**

DAVID LYMAN ALBEE, B.Mus.Ed., Evansville College, 1961  
JON WARD BAUMAN, B.Mus., University of Colorado, 1961  
BARBARA RAINWATER FOSTER, B.F.A., M.F.A., University of Georgia, 1958, 1960  
EDWARD GLEN HULL, B.Mus., Syracuse University, 1962  
ALBERT DUNNING KING, B.Mus., Houghton College, 1961  
KENNETH ROBERT MARSHALL, B.Mus., B.S., 1961, 1962  
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WILLIAM DONALD RANKIN, A.B., B.Mus., Oberlin College, 1961, 1961  
DAVID ROBERT WHALEY, B.Mus.Ed., Drake University, 1961  
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**Degree of Master of Education**

- CYNTHIA JANICE ALLEN, B.S., 1959  
LORNA JEAN ANDERSON, B.S., Eastern Illinois University, 1958  
JOHN EDWARD ARNOLD, A.B., University of Tulsa, 1960  
ROBERT JAMES BECK, B.S., 1960  
JAMES DOUGLAS BEMIS, B.S., Eastern Illinois University, 1959  
JERALD EDWARD BINKLEY, B.S., 1958  
HAROLD EMANUEL BLEHM, B.S., University of Maryland, 1959  
ROBERT JAMES BRIGGS, B.S., Western Illinois University, 1960  
CHARLES NED BROWN, A.B., McKendree College, 1958  
DONALD ALAN BUSH, B.S., 1961  
JOHN McTAGGART BUSTARD, B.S., 1960  
ARNOLD NORBERT CAJET, B.S., 1957  
ALPHONSE DUANE CERASOLI, B.S., Illinois State Normal University, 1961  
JAMES CHRISTENSEN, JR., A.B., Barrington College, 1951; A.B., Millikin University, 1962  
GRACE LOTTIE CHYNOWETH, B.S., Michigan State University, 1957  
LOUISE LIENESCH CLEM, B.S., Southern Illinois University, 1949  
WALTZ VERNON CONNER, A.B., University of Kentucky, 1952  
HURLIE DAMERON COOSE, B.S., University of Missouri, 1960  
MARVIN ARTHUR DAMRON, B.S., 1958  
JOAN DAVIS, A.B., 1962  
WAYNE LAVERNE DEAL, A.B., Greenville College, 1958  
RICHARD CHARLES DEVECCHIO, B.S., Illinois State Normal University, 1960  
NORMAN STANLEY DOUGLAS, B.S., Southern Illinois University, 1956  
GERALD ULDRICH FAIN, A.B., State College of Iowa, 1956  
JOSEPH JEFFERY FINLEY, B.S., Bishop College, 1951  
JAMES WILLIAM FORAN, B.S., Eastern Illinois University, 1960  
LEROY JOHN FREDERICH, B.S., 1959  
SUSAN JEAN KAHL FUNKHOUSER, B.S., 1959  
ANITA ELDER GAFFNEY, B.S., 1961  
DELWIN LEE GERICK, B.S., Eastern Illinois University, 1957  
JERRY LEE GIFFORD, B.S., Illinois State Normal University, 1958  
MARCIA GLASGOW, B.S., 1961  
FLORENCE ROBERTS GOEDDE, A.B., Washington University, 1956  
JERRY LEE GREER, B.S., Central Missouri State College, 1960  
MARTHA JACOBS HARKIN, A.B., Syracuse University, 1961  
MARTHA HUXTABLE HARRIS, B.S., 1962  
WILLIAM EDWARD HAWORTH, B.S., Ball State Teachers College, 1959  
EDWARD EARL HAYES, B.S., Illinois State Normal University, 1955  
DWIGHT GEORGE HECKERT, B.S., 1962  
MARGARET MARY HEISCHMIDT, B.S., Eastern Illinois University, 1959  
BETTY BLACK HENRY, B.S., 1959  
LAUREN EDWARD HOLLINBERGER, B.S., Iowa State University, 1957  
ROY HULFACHOR, B.S., Indiana State Teachers College, 1954  
FRANK LUCIEN JAMBOIS, B.S., 1958  
JOHN DAVID JOHNSON, B.S., 1959  
YOSHIKO NAKAHIRO KANAZAWA, A.B., University of California, 1957  
MARY TERESA KELLY, B.S., Marquette University, 1954  
ROBERTA JOHNSTON KEMMERER, A.B., Pennsylvania State University, 1950  
WILLIAM JOSEPH KOUBEK, A.B., Illinois Wesleyan University, 1958  
BILL WYNNE LASH, B.S., Eastern Illinois University, 1959  
CHARLES EDWARD LAWS, B.S., Northwestern University, 1958  
DONALD LYNN LUDDEKE, B.S., Western Illinois University, 1958  
AGNES IONE MAJERNIK, A.B., College of St. Francis, 1959  
SANDRA LOU MAXWELL, B.S., Greenville College, 1961  
BARBARA ANN MAYER, A.B., Knox College, 1958  
DONALD EARL MCCOLLE, B.S., Illinois State Normal University, 1961  
HOWARD FRANKLIN MCMANUS, B.S., United States Military Academy, 1936  
LEE OTIS MIEURE, B.S., Eastern Illinois University, 1952  
LEWIS EDWARD MONCRIEF, B.S., 1946  
RICHARD THOMAS MORMINO, B.S., Eastern Illinois University, 1957

DONALD RICHARD NEFF, B.S., Ohio State University, 1957  
 IN YOUNG O, A.B., Seoul National University, 1955  
 ETHEL ILLK OAKWOOD, B.S., 1931  
 DIANE RAE PRENTICE, B.S., Bowling Green State University, 1955  
 HAL EUGENE PRICHARD, B.S., Millikin University, 1959  
 HUGH RAINES, B.S., George Peabody College for Teachers, 1958  
 HERBERT JOHN RAPLEY, B.Gen.Ed., University of Omaha, 1955; B.S., University of Maryland, 1958  
 ANNA MAE TRIZNA REPKE, B.S., College of St. Francis, 1960  
 PHILIP CARLTON RICE, B.S., Northern Illinois University, 1960  
 DAVID WALTER RITCHIE, B.Ed., Eastern Illinois University, 1939  
 PHILIPPA WARBURG ROGGE, A.B., B.S., University of Wisconsin, 1948, 1950  
 SAFIJA SARICH, B.Ed., Chicago Teachers College, 1954  
 ELAINE HELEN SCHMITT, B.S., Bradley University, 1955  
 BARBARA JEANE SCHOB, B.S., 1959  
 NANCY JEAN SCHREIBER, B.S., 1962  
 PAULINE PARKER SCHRIER, B.S., 1932  
 MARCIA MCKEE SEDGWICK, A.B., Monmouth College, 1952  
 MARGARET ELLEN SHALLCROSS, A.B., Beloit College, 1961  
 MARY INGRAM STAYTON, B.S., 1958  
 DOROTHY CLAIRE FAUST STEPHENS, A.B., Swarthmore College, 1961  
 BETTY JO SUHR, B.S., Eastern Illinois University, 1959  
 DONALD RAY SWALLOW, B.S., Illinois State Normal University, 1959  
 EDWIN McMUNN SWENGEL, A.B., 1938  
 ROBERT WAYNE TUCKER, B.S., Culver-Stockton College, 1958  
 LINDA GAVAN WARD, B.S., Pennsylvania State University, 1962  
 THOMAS FRANKLIN WARREN, A.B., Augustana College, 1961  
 MARTIN TRUMAN WHITED, B.S., 1954  
 WILLIAM ROSS ZBINDEN, B.S., Illinois State Normal University, 1960

#### Degree of Master of Social Work

ESTHER STARK BALKAN, A.B., Roosevelt University, 1960  
 MILDRED GREEN BERMAN, A.B., Roosevelt University, 1961  
 MARY SUSAN BOARDMAN, A.B., Carleton College, 1959  
 ELIZABETH CHUBB BROWN, A.B., Roosevelt University, 1957  
 SONDRAL MARIE BRUNKE, B.S., Loyola University, 1954  
 BARRY JEFFREY CANE, A.B., University of California (Los Angeles), 1961  
 NAN CHRISTINE CHAPIN, A.B., Carleton College, 1955  
 JULIANNE FERGUSON, A.B., Augustana College, 1960  
 MERLE WILBUR FUNK, A.B., Wartburg College, 1956  
 BEATRICE GERSHOWITZ, B.S., University of Wisconsin, 1960  
 BARBARA ANN ROYER GRAHAM, A.B., Willamette University, 1961  
 CHARLES ALBERT HANDLEY, JR., B.S., Michigan State University, 1959  
 DAPHNE CHALMERS-FRANCIS JOY, A.B., Roosevelt University, 1961  
 HELEN BJELLANESS LINDQUIST, B.S., University of Minnesota, 1947  
 CHARLOTTE ELIZABETH MAY, B.S., 1960  
 DAVID WILLIAM MCCREATH, B.S., Iowa State University, 1957; B.D., McCormick Theological Seminary, 1961  
 DOROTHY EMILY MIKA, A.B., Roosevelt University, 1961  
 UNA LEE MANUEL PATTON, A.B., MacMurray College, 1959  
 SYLVIA DORECIA SUDDETH RAGLAND, A.B., Lincoln University, 1955  
 PHYLLIS ELLEN RAUTH, A.B., DePauw University, 1957  
 MARY ROBERTA BARR REED, A.B., Illinois Wesleyan University, 1961  
 MARCELENE MAY REICH, A.B., Heidelberg College, 1960  
 HENRY KRISTIAN RONNOW, A.B., Macalester College, 1959  
 GREGORY CHARLES RUDOLPH, A.B., Loras College, 1960  
 ROBERT EDWARD SCHACHT, B.S., Greenville College, 1961  
 SYLVIA JO SCHLUETER, B.S., 1959  
 MARTHA JANE SHUPACK, A.B., Adelphi College, 1959  
 GEORGE HERMAN SPRIGGS, A.B., Alma College, 1956; B.D., Princeton Theological Seminary, 1959  
 BRUCE CHAFFEE TURNER, A.B., Millikin University, 1961

**Degree of Master of Fine Arts***In Landscape Architecture*

KEIICHI SHINODA, B.S., Chiba University (Japan), 1960

*In Painting and Printmaking*

JOHN ROBERT CRAYNE, B.F.A., 1960

RICHARD ALAN LAZZARO, B.F.A., Kent State University, 1961

JUDITH ANN STEWART, B.F.A., Syracuse University, 1961

AGNES BRADLEY TAUGNER, B.F.A., 1954

KARL HEINZ WOLTER, B.F.A., Syracuse University, 1961

**Degree of Master of Accounting Science**

HILDING DALE CARLSON, B.S., 1962

DAVID LAWRENCE DE MOTTE, B.S., Eastern Illinois University, 1962

FRANK JAY KOSTER, B.S., 1962

HARRIS NASUTION, B.S., 1962

ALLAN SEYMOUR ROSENBAUM, B.S., University of Colorado, 1962

STANLEY IRWIN ROSENTHAL, B.S., 1962

R. ARIFIN WIRAKUSUMAH, B.S., 1962

**Degree of Master of Architecture**

WILLIAM KASE DAVIS, B.Arch., 1960

ROBERT JAMES SCHILL, B.Arch., 1962

LAKSHMI CHAND SHARMA, B.Arch., University of Delhi, 1960

CHIH-CHUN TIEN, B.S., Taiwan Provincial Cheng Kung University, 1960

**Degree of Master of Comparative Law**

GREGORIA SOAN ONG, A.B., University of the Philippines, 1954; LL.B., University of Manila, 1958

**Degree of Master of Commerce**

EDWARD THOMAS O'MEARA, B.S., Washington University, 1957

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STEPHEN EARLE BENSON, A.B., Augustana College, 1961

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DANNY JOSEPH LAUGHUNN, B.S., 1961

THOMAS EDWARD MESETZ, B.S., 1961

RANDAL MCCRILLIS SMITH, B.S., 1961

**Advanced Certificate***In Education*

RICHARD KEITH CHERRY, B.S., Ed.M., 1950, 1959

RICHARD DIX DOLES, B.S., M.S., Butler University, 1956, 1962

JOSEFINA VILLANUEVA ESTOLAS, B.S., Far Eastern University (Philippines), 1958; A.M., University of Nebraska, 1961

MARY CHRISTINE FELTY, B.S., Southern Illinois University, 1958; Ed.M., 1960

JOHN MARTIN GEORGE, B.S., M.S., Illinois State Normal University, 1948, 1950

EMMITT CHARLES JEFFRESS, B.S., Ed.M., 1952, 1958

MARY LORRAINE LAMB, B.S., Illinois State Normal University, 1952; M.S., 1956

RICHARD LEE MCCANNON, B.S., M.S., Illinois State Normal University, 1950, 1954

HENRY CHARLES MEYER, B.S., Ed.M., 1950, 1951

EDWARD MIGIELICZ, B.S., Southeast Missouri State Teachers College, 1944; M.S., 1950

ALVIN HARRIS MOELLER, B.S., Eastern Illinois University, 1953; Ed.M., 1958

EVELYN MAE MOYLE, B.S., M.S., Northern Illinois University, 1951, 1954

WILLIS CALVERT RARDIN, JR., B.Ed., Eastern Illinois University, 1947; M.S., 1950

JEWELL BUTLER WILLOUGHBY, B.S., Ed.M., University of Louisville, 1956, 1962

NORMA ROEVER ZIMMER, B.S., Ed.M., 1941, 1957

*In Music Education*

HOWARD DEWITT JOHNSON, B.Mus.Ed., M.Mus.Ed., Municipal University of  
Wichita, 1957, 1958

**COLLEGE OF AGRICULTURE****Degree of Bachelor of Science***In Agriculture*

GARY MICHAEL ABERNATHY  
HERBERT ELDO ADAMS  
ANTHONY AKINOLA AGBOOLA  
LANNY EARL ANDERSON  
SAMUEL ROBERT ATAI  
ROBERT GALE BAKER  
PETER JAMES BARRY, Honors  
MAURICE WALTER BELL  
ALLEN ROBERT BOLLMAN  
STEPHEN MICHAEL BROMAN  
JERRY RAYMOND BROOKHART  
HARVEY AL CARLEY  
THOMAS WAYNE CLARK, Honors  
DALE EUGENE COCHRAN  
WILLIAM ROBERT COLE, High Honors  
ROBERT JOHN CONDON  
JOSEPH MICHAEL CORBIN  
WILLIAM CLARENCE CRABBS  
WALTER CLARENCE CRACKEL  
DANIEL JOHN DOEDTMAN  
CHARLES BOWERS DOUBET  
PATRICK ARTHUR DUFFY  
DALE WILLIAM FATHAUER, Honors  
JOHN OWEN FINDLAY  
WILLIAM HEDRICK FUGATE  
JERRY DEAN GARD  
GERALD DAVID GEHLBACH  
THOMAS JOHN GELWICKS  
DAVID GLENN GILCHRIST  
CHESTER LEE GOODRICH  
LYNN IRVIN GOSNELL  
ELDON FRANCIS GOULD  
DAN WESLEY GOUWENS  
RUSSELL THOMAS HAINLINE  
JAMES JACOB HAMMOND  
PAUL GEORGE HARMS  
ROBERT LEROY HATCH  
JERRY LEE HOFFMAN  
DENNIS LEE HOHLBAUGH  
WILLIAM MARK HULL  
DAVID LEE INSKEEP  
DAVID MARTIN JAHN  
HENRY ALOYSIUS KATTNER  
THOMAS STEPHEN KAVELMAN

DAVID STEVENSON KILLEY  
GEORGE OTTO KRAHN  
EDWARD HARPER LEONARD  
ROGER WILLIAM LOUDON  
MORRIS DAVID LUCK  
CLINT WILLIAM MAGILL, High Honors  
JAMES LOUIS MANTHE  
RONALD VAUGHAN MAYS  
DONALD RAY MCCORMICK  
CEDRIC SEYMOUR McCULLOCH  
LAVERNE JAMES MCGINNIS  
LARRY GENE MELHOUSE  
WILLIAM ROBERT MULLINS  
JAMES WARREN MUNTON  
DAVE LEE MUSSULMAN, Honors  
LEON BERTON PERKINSON  
MAX ARNOLD PETERSON, High Honors  
FRANCIS CLYDE PIERSON  
ROBERT JOSEPH REBER, High Honors  
RICHARD GENE REHN  
MARTIN GERALD RINK  
ROGER JOSEPH RONEY  
WAYNE LEROY SAMPSON, Honors  
DONALD GENE SARGEANT  
GERALD THOMAS SCHELLING  
DALE ELDON SCHROEDER, Honors  
MELVIN KENTON SCHUH  
BRYCE ARLEN SIDES  
ROBERT ALLEN SINCLAIR  
KENNETH LESLIE SMITH  
DONALD JAMES SNODGRASS  
RONALD LEE STICKLER, Honors  
EDWARD FRANCIS STOKES  
JOHN SHARON TEUSCHER  
KENNETH DEANE THOMAS, Jr.  
DANIEL EUGENE VOGLER  
ROGER DAVID WENBERG  
CRAIG OWEN WESNER  
WILLIAM HENRY WILSON  
JOHN DAVID WITZIG  
FRANK JAMES WOODING  
JAMES PAUL WOODS  
CHARLES STEWART ZEIGLER  
MARK DANIEL ZIMMERMAN

*In Dairy Technology*

THOMAS EDWARD CAIN  
GARY DUANE FLICKINGER  
DENNIS THEODORE GORDON

PAUL REID HOCKING  
KENNETH EDWARD ROBERTS  
GEORGE LOREN SCHAUFELBERGER

*In Floriculture and Ornamental Horticulture*

MICHAEL JAMES HEALY, Honors  
MERLE LOUIS KRAUSE, Jr.

THEODORE ERNEST KUPFERSCHMID  
LARRY GENE ROSE

*In Food Technology*

LEO WILHELM QUIRK, Honors



*In Forestry*

RONALD THOMAS ANDERSEN  
JOHN ALLEN BILLINGSLEY  
MICHAEL EDWARD HITTMEIER  
MERRILL RAY KAUFMANN  
ROBERT ANTHONY KUNDROT

RONALD LEE LAECHELT, Honors  
RICHARD LEE LISTON, Honors  
DONALD REX PAYTON  
HOBART HENRY RILEY

*In Home Economics*

ELIZABETH ELAINE ARMSTRONG, High  
Honors

REBECCA WEST BEELER  
SANDRA PAVLOVIC BOLAND  
BEVERLY JEAN BOLLMAN  
MARY MARGARET CLARK  
FLO ELLA CORZINE  
NINA ELIZABETH EASTMAN  
SANDRA LEE FREW  
GAY ANTONIE GALLE  
DENA JILL GALLEHUE  
NANCY MASON GREGORY  
RUTH ANN GROPPFEL  
MARETA LOU HAYES  
JANET LEE IRICK, High Honors  
REBECCA JOAN KEPLEY, Honors  
MARY LYNNE KIRCHNER, Honors  
DEANNA CAROLE KIRSCHBAUM  
MARY SUE KNUFFEL  
DORIS JEAN LUM  
LYNDA KAY MIDDENDORF  
JUDITH LOUISE MOHAN  
ELIZABETH CUNNINGHAM MOULTON  
KOLLEETA YVONNE MOYES

NELLIE McLAUGHLIN NICHOLSON  
MARGARET HERZER OLSON  
JOANNE DOROTHEA PAULSEN, High  
Honors  
JOANNE ELIZABETH PETTY, High  
Honors  
JUDITH ANN PROCHNOW  
SHARON FRANCES REIFSTECK  
RUTH HELEN REINTS  
SUZANNE MCGILL ROSS  
LYNN LUCILLE SCHAEFER  
SUE ANN SCHIERHOLTZ  
RITA LAUTERBACH SCHLUETER, Honors  
BARBARA ANN SCHUMACHER  
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SALLY JOANNE SHIPP  
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CAMILLE JANET STAGG  
HYO CHUNG SUH  
JEAN MARIE SUTRINA  
BONNIE MARIE SWANSON  
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CAROLYN ROSE VIRUS, High Honors  
MARLENE SUE YONTZ

*In Home Economics Education*

MARGARET COOGAN BLANFORD  
JANE BRISSENDEN  
KAREN CREMIEUX BROWNE  
VERA RUTH DEAN, High Honors  
SHARON ELAINE EARNEST  
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SANDRA JANE GASS

PHYLLIS ANN GILMORE  
JOYCE COOK GOGGIN  
HARRIETT JEAN GROSS  
NANCY JEAN HARTMAN  
SUE ANN RAMSAY, Honors  
ARDIS MAUREEN REWERTS, Honors  
JUDY SUE WHITTAKER

*In Restaurant Management*

ELEANOR STERNAMAN CURRY  
KARL PETERSON WEST

ANTHONY JOSEPH ZEPPEBELLA

## COLLEGE OF ENGINEERING

## Degree of Bachelor of Science

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LARRY SCOTT BENDER, Highest Honors  
ALEXANDER HENRY CAVENAILE  
ROBERT PANG CHEN  
WALTER STEPHEN CRAIGLE  
WILLIAM HOFMANN DRYSDALE, Honors  
GERALD QUICK GUSTAFSON  
WILLIAM EDWARD HARTUNG, High  
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STEPHEN CAMPBELL HENDERSON  
GEORGE FRANCIS HERBST  
BRIAN DENNIS HICKEY  
FRANK WILLIAM HUBER

JAMES CAMPBELL JONES  
WILLIAM JOSEPH KARGER  
DONALD JOSEPH KOETTING  
BERNARD FREDERICK KRUEGER  
ROBERT VINCENT KUNZMANN  
WILLIAM THEOPHILE LEWERENZ,  
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HAROLD EVAN MEISTERLING  
WILLIAM HENRY NOTTINGHAM  
RAYMOND SAMUEL OLIVER  
GLENN GILBERT ORMBREK

JOSEPH PALERMO  
KENT ARNOLD PINTER, Honors  
ROY TIMOTHY SCHEMENSKY, High  
Honors

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RICHARD HAINES WATSON, Honors  
WALTER LESLIE WEAVER, Honors

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PATRICK ARTHUR DUFFY

RONALD GEORGE STASELL  
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DAVID HERBERT LINDSTROM  
LAWRENCE LEE MARTIN  
THOMAS JOSEPH MILLIKEN

JERRY ALLEN MOSBARGER  
JEROME ROBERT O'DONNELL  
WILLIAM HOWARD PAYNE  
ROBERT PAUL RADTKE  
RALPH EDWARD ROSE  
CLIFFORD GERALD RUDERER, Honors  
ROBERT ALAN VERNETTI

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BERNARD JOHN CASEY, High Honors  
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WILFRED GILTNER  
WOODROW HARRY GUMP  
RICHARD LYNN HOLMES  
DANIEL WHAM HOYT  
DONALD EUGENE JANKA  
GEORGE FRED JENNINGS  
ODD HARALD JOHNSRUD  
RICHARD JOHN KOLODZIEJ

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WILLIAM ANTHONY KREUTZJANS  
MARTIN LEITER  
STEVE PETER LIMBERS  
GERALD LEE MARTOGGIO  
GERALD LAWRENCE PETERS  
RICHARD LOUIS PLAMBECK  
JOHN JAMES SADZEWICZ  
CONRAD OTTO SALTENBERGER  
SPYROS HAR SILLAS  
DENNIS WILLIAM STOLLDOFF  
LARRY DALE STROUP  
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DONALD LOUIS DOMINIC

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DALE HARRY FENCKEN  
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Honors  
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LUBOMYR PETER HAWRYLUK  
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Honors

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RONNIE ALLAN HOYT, Highest Honors  
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LYNN ORIS KESLER  
AHMAD MOHAMMAD KHORSHID  
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JOHN EDWARD MORONEY  
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HOWARD COOPER PETERSON  
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HENRY ARMSTRONG SPELLMAN, Honors  
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EMORY ALBERT WAKAT, JR.  
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GEORGE ROBERT WILLENBORG  
ROGER RAWHY YAMINY, Honors  
THOMAS MICHAEL ZIMMER  
THADDEUS JOHN ZURAWSKI, JR.

#### *In Engineering Mechanics*

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ELMER ROBERT GIESE, JR.  
RICHARD DIXON GILLIS, Honors  
HENRY FREDERICK JOHNSON  
JULIUS MYRON ROTHSCHILD

DAVID HOWICK RUSSELL  
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#### *In Engineering Physics*

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WADE MONROE CARLL  
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HAROLD ALAN DAVIS  
DAVID ROPP EARLES, Honors  
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KENNETH EDWARD EVANS, JR., Honors  
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ROBERT EUGENE HETRICK, High  
Honors  
JOSE KATZ-MASSON, High Honors  
WIESLAW LUDWIK LICHODZIEJEWSKI  
JERRY EDWARD MINNEAR

ALTAN MUSTAFA OZEN  
VYTAUTAS VICTOR PALCIAUSKAS,  
Honors  
ARVYDAS PAUL PAULIKAS  
DAVID GEORGE SCHAEFFER, Highest  
Honors  
MAURICE LEON SCHIFF  
JAMES FREDERICK SHUNK, Honors  
ROBERT CURTISS STRAUSS  
THOMAS ANTHONY TUMOLILLO  
BARRY LESLIE WERNER, High Honors  
LARRY ALLEN WEST  
CONRAD ANTHONY WILGUS

#### *In General Engineering*

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WARREN JAMES BROLL

CHAMP WILBURN DAVIS, JR.  
THOMAS ERNEST DOW

BOYD LEW HAROLD  
 GERALD KEIJI KITA  
 JOHN ROBERT KORNGIEBEL  
 JOHN GRAHAM LAURENSEN  
 WALLACE JAY LOVELACE  
 CONSTANCE JEANETTE MAYER  
 THOMAS ROBERT METZGER  
 CHARLES KENNEDY MEYERS  
 MICHAEL ROBERT PHILLIPS  
 INNO RASINA  
 MICHAEL EDWARD SHERMAN  
 LEONARD DOUGLAS SHUCK

HERBERT JAY SINGER  
 LARRY GORDON STAPP  
 DARRELL EUGENE STOLL  
 ROBERT PAUL STROMBERG  
 DAVID IVAN TATMAN  
 JAMES KENNETH TAYLOR  
 CHARLES HENRY THOMAS  
 EDWARD CARL WAHL  
 ROBERT ARCHIE WATSON  
 RICHARD DUANE WILEN  
 KENNETH DWAYNE WOODS

*In Industrial Engineering*

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 MANUEL JOSÉ ALVAREZ ARANGO  
 HART ALDEN FISHER  
 THOMAS GARDNER  
 RICHARD WALLACE HIGGINS  
 WAYNE GLENN JOHNSON  
 RAYMOND JOSEPH KELLY  
 LARRY WALLACE KROFF  
 MELVIN STANLEY LELKO

RICHARD MICHELSEN  
 JAMES PHILIP MILLER  
 JULIO PALACIOS TOBON  
 CHARLES EARLE PERRIN  
 ROBERT ALLAN RAVAS  
 BEN JAY ROSENTHAL  
 RICHARD EARL THOMPSON  
 ROBERT KIRK ULMAN  
 MARK EDWARD WESTERLAND

*In Mechanical Engineering*

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 CHARLES STEPHEN BESHORE  
 BURDETTE LESLIE BOERS  
 GEORGE THURM BROCKMAN, Honors  
 NEIL FRANKLIN BROWN  
 PAUL ROYCE BROWN  
 THOMAS JOSEPH BUBULA  
 BENICIO IGNACIO DUSSAN VILLAVECES  
 ROBERT JAMES FRYE  
 NEAL FREDRICK GILLERAN  
 DONALD LAWRENCE GIMBEL  
 ROBERT ARTHUR GLOMB  
 EDWARD ROBERT GROSS  
 BRUCE ALAN HAYES  
 CARLOS HERRERA TREVINO  
 CHRISTOPHER CHI-MIN HSIAO  
 MARK RICHARD JEZISEK  
 MOHAMMED KALIM  
 ROBERT ANDREW KARTMAN  
 GEORGE THOMAS KARTSOUNES  
 ROBERT JOSEPH LATKO, Honors  
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 BRIAN JOHN LEWIS  
 KENNETH FRANK LINDGREN  
 PETER JOHN LINNERT  
 JACK GEORGE MAICHEL  
 ROBERT GERALD MCKINNEY

JORGE ENRIQUE MORALES-BECERRA  
 MARCOS FRANCISCO NAKAGAWA  
 JAMES PHILIP NETZEL  
 SHIN HYUK PARK  
 DENNIS GAYLORD PETERSON  
 RICHARD LEHN ROGERS  
 HARPRIT SINGH SANDHU  
 HOSSEIN SARRAFFOUR  
 JOHN ANTHONY SATTI  
 MICHAEL ALLAN SCHLUETER  
 L. D. SHOTTS  
 THEODORE FRANKLIN SMITH  
 ROSS NELS STAHL  
 EDWARD JOHN STEHNO  
 CHARLES HENRY STOLL, High Honors  
 RONALD ROBERT TANTON  
 CHARLES TAYLOR THOMPSON  
 RICHARD EDMUND TOTH  
 JOHN ARNOLD TRIMBLE  
 GARY LEE UPTON  
 FRED JAMES VAHLKAMP  
 PAUL EUGENE VALENTINO  
 RICHARD GLENN WILKIN  
 KENNETH JOHN WILL  
 LARRY WONG  
 JONAS ZUBINAS

*In Metallurgical Engineering*

DENNIS SCOTT ACUNCIOUS  
 ALBERT NOLAN ASHURST  
 MICHAEL NORMAN COHEN  
 TODD JAY HERD  
 LOWELL MARTENS HOFFMAN

RAYMOND CARL ROESCHLEIN  
 JERRY LEE SCHUSTER  
 SYLVESTER SCOTT  
 ALBERT THOMAS WENDT

*In Mining Engineering*

MANOUTCHEHR HEIDARI

## COLLEGE OF LIBERAL ARTS AND SCIENCES

## Degree of Bachelor of Arts

*In Liberal Arts and Sciences*

DAVID WALLACE ADAMS	JOHN WILLIAM CLANCY
JOAN ADAMS	LYNN DEWEY CLAPPER
JOHN PHIL ALBRIGHT	GERALD NEIL CLEAVER
FRANK PATON ALLEN	HAROLD RICHARD COHEN
KATHLEEN EDLER ALLISON	MAXINE LEAH COHEN
WILLIAM ALLEN ALLISON	NANCY EDES COHEN
JUDITH MIRIAM ALPERIN, Honors in Liberal Arts and Sciences with Distinction in Speech	ALLAN LEE COIE
WILLIAM LOUIS ALTON	LYNNE COLEMAN
JOYCE LOUISE ANDERSON	POLLY CONDIT
WILLIAM ANTHONY ARMSTRONG	MARY ELIZABETH CONEY
ANN ARONSON	ROBERT MACKENZIE CRAIG
RICHARD LANDON ASHWORTH	GEORGE LARRY CRANE
JUDITH ELIZABETH AUGUSTINE	MARSHALL JEAN CRAWFORD
ROBERT FREDERICK AYE	WALTER ANDREW DAHL
JOHN RICHARD FREDERICK BAER	MARION FRANCES DART, Honors in Lib- eral Arts and Sciences with Dis- tinction in History
CARL DAVID BAILEY	JOHN MICHAEL DAUTER
GLENN RUSSELL BAIRD	LLOYD DOUGLAS DAVIS
MYRNA LYNN BAKER	JOHN EDWARD DEAL
FLORIDE HELEN BARNES	MAIJA DEBELS
STANLEY BARNETT	MARGARET ANN DECKER
FREDERICK NEWCOMB BATES	JERRY R. DELL
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JUDITH JUTTA BAUS	JEANETTE MARIE DEMKOVICH
JOHN PATRICK BECKTEL	PETER ANGELO DEMOS
EILEEN RACHEL BELL	MARCIA LYNN DITTMANN, Honors in Liberal Arts and Sciences
JUDITH SARA BELL, Honors in Liberal Arts and Sciences with High Dis- tinction in English	DONALD CAMERON DOBBINS
DONNA NOWACK BENWAY	OLIVER PETER DOE, JR.
CAROL ANN BERANICH	RICHARD FRANCIS DOYLE
RICHARD STEPHEN BERGAILO	HAROLD FREDERICK DRISCOLL, JR., Hon- ors in Liberal Arts and Sciences
EMIL ALAN BERZENSKI	HEIDI SUSAN EASTMAN
DORAL LEE BIERLY	EVELYN MAE EBBERT
ELMARS BILSENS	MICHAEL H. EISERMAN
HOWARD GARY BLACKSTONE	CAROL SAWYER ERNST
CHARLENE ANNETTE BLAKE	ARTHUR ANDREW EUBANK, JR., Honors in Liberal Arts and Sciences
LEONARD EARL BLAKESLEY, JR., Honors in Liberal Arts and Sciences with High Distinction in Political Science	ETHEL HAMLIN FAHIDY
ANTHONY JOSEPH BOHNAK	CIRO PHILLIP FARINA
ANDREW WALTER BONIOR	JOHN ALFRED FARR
NICHOLAS JOSEPH BOSEN	MARTIN MICHAEL FISCHBEIN
TERRY KENT BOTSFORD	MARJORIE ANN FISHMAN, Honors in Liberal Arts and Sciences with High Distinction in English
LLOYD ROY BRADLEY	JILL SUSAN FLYER
KAREN IRENE BROWN	WILLIAM CHARLES FOOTE, Honors in Liberal Arts and Sciences
WILLIAM HAROLD BURGER	LEE PHILLIP FORMAN
MELINDA GENE BURKHART	LESLIE JOAN FRANKEL
LOUISE MARIE BUSCH	JOHN GABRIEL FRASER, Honors in Lib- eral Arts and Sciences
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CONSTANCE ASPER CAMERON	DONALD RICHARD FROELKE
HARRIET ANN CAVANAH	SALLY JEAN FRYE
PATRICIA GRAVITTER CHRISTIAN	CAROL ANN GARLOVSKY
DALE ARTHUR CINI, Honors in Liberal Arts and Sciences with High Dis- tinction in Political Science	GAIL MONICA GARMONY

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 CAROLYN HARRIS GIAQUINTA, Honors  
     in Liberal Arts and Sciences  
 RICHARD DIXON GILLIS, Honors in  
     Liberal Arts and Sciences  
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 SUSAN LEE GOLDBERG  
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 JOAN UEBELHACK GRENNING  
 LOWELL DEAN GRONINGER, Honors in  
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 ROBERT STANLEY HART, Honors in  
     Liberal Arts and Sciences  
 SANDRA LEE HART  
 MARGARET ROBERTA HEISS  
 SANDRA JOY HELLER  
 JAMES THOMPSON HENDRICK, Honors in  
     Liberal Arts and Sciences with Dis-  
     tinction in Economics  
 THEODORE HERSHBERG, Honors in Lib-  
     eral Arts and Sciences with Dis-  
     tinction in History  
 SUSAN JEAN HILL, Honors in Liberal  
     Arts and Sciences  
 STEPHEN CHARLES HIRSCH  
 MILES HUNTLEY HODGES  
 JAMES MICHAEL HOLQUIST, Honors in  
     Liberal Arts and Sciences with  
     Highest Distinction in Russian  
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 GERIANN BELL HULL  
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 PAMELA RAE IVERSEN  
 VIRGINIA CAROL JENSEN  
 CAROL ANNE JERSEY, Honors in Liberal  
     Arts and Sciences  
 JAMES WALTER JERZ  
 MICHAEL DEWITT JOHNSON  
 DONNA JEAN JORSTAD, Honors in Lib-  
     eral Arts and Sciences with Dis-  
     tinction in Speech  
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     Arts and Sciences  
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 LINDA ROCHELLE KAINE  
 JOHN PATRICK KANE III  
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 KENNETH BENTLEY KRAMER, Honors in  
     Liberal Arts and Sciences with  
     High Distinction in Political  
     Science  
 MURRAY JOEL KRELSTEIN  
 WAYNE FRANK KUBIK  
 NOLAN AL LAMEKA, Honors in Liberal  
     Arts and Sciences  
 HARRIET MARCIA LANDY, Honors in  
     Liberal Arts and Sciences  
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     Liberal Arts and Sciences with  
     Distinction in French  
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     Liberal Arts and Sciences  
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     in Liberal Arts and Sciences  
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     eral Arts and Sciences  
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     and Sciences  
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     and Sciences with High Distinction  
     in English  
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 LOIS AMANDA MADORI  
 RAYMOND WALTER MAHONEY  
 CYNTHIA JOHNSON MANAUGH  
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 PHILIP HARTWELL MARTIN, Honors in  
     Liberal Arts and Sciences with  
     Highest Distinction in Political  
     Science  
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     Liberal Arts and Sciences  
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 HARRY WEBER MCCULLOCH III  
 JOHN WILSON MCKEE III, Honors in  
     Liberal Arts and Sciences with  
     Distinction in Actuarial Science

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 Distinction in German  
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 Liberal Arts and Sciences  
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 eral Arts and Sciences  
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 Distinction in English  
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 MARCIA JEAN MURPHY, Honors in  
 Liberal Arts and Sciences  
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 NANCY FLECK MYERS  
 ADRYAN CHARLENE NAKTIN  
 DONNELL LOUIS NANTKES, Honors in  
 Liberal Arts and Sciences  
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 JAMES DUNLAP NOWLAN, Honors in  
 Liberal Arts and Sciences with  
 High Distinction in Political  
 Science  
 JAMES HANLON O'MEARA  
 THOMAS RAY OSBORN, Honors in Lib-  
 eral Arts and Sciences with High-  
 est Distinction in Physics  
 HOWARD WAYNE OSBORNE  
 MARTHA EDEN OSTERMEIER  
 RICHARD MATHEWS PANICHI  
 JONE AUKSE PAPLENAS  
 CHARLES HARVEY PATTI  
 JULIE NONA PEEPLES  
 BARBARA CARYL PELTON  
 LINDA LOU PETERSON  
 STEPHEN WESLEY PETERSON  
 JOAN RAE PHILLIPS  
 MARILYN KAY PIECH  
 JOEL LEE PIELL  
 EVANGELINE PRISUTA  
 CLARA ELFRIEDA PROTHE, Honors in  
 Liberal Arts and Sciences with  
 Distinction in German  
 ANTHONY FRANK PROVENZANO  
 ERNEST JEFFREY QUINN  
 JUDITH EVELYN RABOLD  
 GERALD HENRY RAHN  
 ARTHUR SAMUEL RAZNICK  
 SANDRA JEAN REESE  
 JOHN HARVEY RICE, Honors in Liberal  
 Arts and Sciences

JARVIS UNDERHILL RICH  
 WILLIAM LAWRENCE RICH, Honors in  
 Liberal Arts and Sciences  
 RALPH DAVID RICKS  
 BRENDA JORDAN RILEY  
 JACK PERRY RIMLAND  
 MICHAEL HARVEY ROBINS  
 ROBERT PORTER ROBINSON  
 RONALD PAUL ROMBERG  
 SOL ROSEN  
 GRETCHEN FISCHBACH ROSENGREN  
 SAMUEL ROSENKRANTZ  
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 JAMES HARRIS SCHWARTZ  
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 Liberal Arts and Sciences with  
 High Distinction in Political  
 Science  
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 RYMA VANSASKAS SIMAITIS  
 GILBERT STANLEY SIMON  
 BRUCE HOWARD SINGMAN  
 IRA HARRY SLOAN, Honors in Liberal  
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 JUDITH JANE SMITH  
 NANCY ELLEN SMITH  
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 LARRY MILTON SPENCE  
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 STANLEY DAVID WILSON  
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 NIKKI ETHELYN YERBY, Honors in Liberal Arts and Sciences  
 DAVID MERRILL YOUNG  
 THOMAS MICHAEL ZIMMER  
 PAMELA ROOF ZIMMERMAN, Honors in Liberal Arts and Sciences with Distinction in Russian

*In the Teaching of English*

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 GWEN JOYCE BUCK, Honors in Liberal Arts and Sciences  
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 CAROL MITZEN CHRISTENHOLZ, Honors in Liberal Arts and Sciences  
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 ALTA MARIE COOLS, Honors in Liberal Arts and Sciences with Distinction in the Curriculum  
 JANE SWENGEL CREASON, Honors in Liberal Arts and Sciences  
 JUNE ELLEN DICKINSON  
 MARJORIE ANNA GARD  
 MARY LYNN GRAGG  
 NANCY KAY GREENE  
 MARY ELYN GREGORY, Honors in Liberal Arts and Sciences  
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 DOROTHEA JOAN JACOBSON  
 JUDITH MARION JOHNSON, Honors in Liberal Arts and Sciences with Distinction in the Curriculum  
 SYLVIA MARIE JOHNSON, Honors in Liberal Arts and Sciences  
 RENEE CECELIA KOWALSKI, Honors in Liberal Arts and Sciences  
 BONNIE MAE LAMKIN  
 BARBARA ALLEN LEWIS

SHELLEY RUBEN LIPOWICH, Honors in Liberal Arts and Sciences with Distinction in the Curriculum  
 MARY ANN MALONEY, Honors in Liberal Arts and Sciences  
 MARY ANN MCCARTAN  
 GEORGIA LEE MCKINNEY  
 MILENA MARIE MEDVESEK  
 PATRICIA ANN MOLLER  
 DIXIE LEE NELSON  
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 LORRAINE MARY POWELL  
 RONALD ALLEN RABEN, Honors in Liberal Arts and Sciences  
 JOAN CARMEL ROMANYAK, Honors in Liberal Arts and Sciences  
 GLORIA JEAN SENKUS, Honors in Liberal Arts and Sciences with Distinction in the Curriculum  
 SANDRA LEE SHOWALTER, Honors in Liberal Arts and Sciences  
 ELIZABETH ANN STUPPY  
 LENORE OSEFF TENNENHOUSE, Honors in Liberal Arts and Sciences  
 DIANE LESINSKI TESKA, Honors in Liberal Arts and Sciences  
 MARY ELIZABETH VAN DERCK, Honors in Liberal Arts and Sciences  
 MARILYN KAY WEBB, Honors in Liberal Arts and Sciences with Distinction in the Curriculum  
 BARBARA ANN WEBER



VERITY ANN WHITLEY, Honors in  
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Distinction in the Curriculum  
ELLEN GAYNELL WIDDOWS  
NANCY DUCLOS WIDMANN

JEAN CONROY WILLIAMS, Honors in  
Liberal Arts and Sciences  
DIANA MAE WURSTER, Honors in Lib-  
eral Arts and Sciences

*In the Teaching of French*

DONNA LANDERS ARBOGAST  
JURATE IZOKAITIS, Honors in Liberal  
Arts and Sciences with Distinction  
in the Curriculum  
GRETCHEN MARGARET KOEHLER  
YVONNE BELMANS KOSTER  
SANDRA LEE MACDOUGALL  
LYN-MARIE NELSON, Honors in Liberal  
Arts and Sciences

BARBARA JEAN REIS, Honors in Liberal  
Arts and Sciences  
JOYCE ELIZABETH SHOLL, Honors in  
Liberal Arts and Sciences  
DANIEL RODNEY SIMONE  
LAUREL ELIZABETH VESELY

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MARY THERESA DRESCH, Honors in  
Liberal Arts and Sciences with  
High Distinction in the Curriculum  
ROSEMARY JEAN ELSASSER, Honors in  
Liberal Arts and Sciences with  
Distinction in the Curriculum  
EVELYN MARGARET GETZ, Honors in  
Liberal Arts and Sciences with  
Distinction in the Curriculum  
ELIZABETH BODINE HELMS, Honors in  
Liberal Arts and Sciences with  
High Distinction in the Curriculum

INGRID MARTHA KASTNING, Honors in  
Liberal Arts and Sciences with  
Highest Distinction in the Cur-  
riculum  
JERALYN JEWETT KING, Honors in  
Liberal Arts and Sciences with  
High Distinction in the Curriculum  
LOTTIE FALTIN NAST  
SHIRLEY KATHRYN SMITH, Honors in  
Liberal Arts and Sciences with  
Distinction in the Curriculum  
JO ANN WOOLDRIDGE, Honors in Lib-  
eral Arts and Sciences with High  
Distinction in the Curriculum

*In the Teaching of Latin*

CLARA RUTH STURIES, Honors in  
Liberal Arts and Sciences

LYNN KRISTOFFERSEN WOERNER

*In the Teaching of Russian*

APRIL IRENE APPELQUIST, Honors in  
Liberal Arts and Sciences with  
Distinction in the Curriculum

ARLENE ANN MONROE, Honors in  
Liberal Arts and Sciences with  
Distinction in the Curriculum

*In the Teaching of Social Studies*

JOAN PATRICIA AGRELLA, Honors in  
Liberal Arts and Sciences  
MARCIA JEAN CHAMBERS  
JAMES ROBERT ERICKSON, Honors in  
Liberal Arts and Sciences with  
Distinction in the Curriculum  
ROBERT CORDELL FUNK, Honors in  
Liberal Arts and Sciences  
VIRGINIA KAYE GASPICH  
DIANE MICHELE GLEASON  
MILDRED IRENE GRESCH  
OWEN VANNESS HEIN, Honors in Lib-  
eral Arts and Sciences with Dis-  
tinction in the Curriculum  
SUSAN ELIZABETH HOTCHKISS, Honors  
in Liberal Arts and Sciences

MARTHA ANN LACKEY, Honors in Lib-  
eral Arts and Sciences with Dis-  
tinction in the Curriculum  
ROSALYN LEVIN  
DONNAMAE LEVINSON  
LINDA MANN, Honors in Liberal Arts  
and Sciences  
MARILYN JOAN MEANS  
DONALD WAYNE NORDTVEDT  
EDYTHE ANNE RANDOLPH, Honors in  
Liberal Arts and Sciences  
SUSAN GAIL SCHULTZ, Honors in Lib-  
eral Arts and Sciences with Dis-  
tinction in the Curriculum  
JANON TUCKER SHELBY  
JANET LOUISE SHUMAN, Honors in  
Liberal Arts and Sciences

*In the Teaching of Spanish*

JULIA ANN BUCK, Honors in Liberal  
Arts and Sciences with Distinction  
in the Curriculum

LAUREL ANN CAPPA, Honors in Liberal  
Arts and Sciences with Highest  
Distinction in the Curriculum

SANDRA DEE CLAYMAN  
PATRICK HENRY DUST  
MARGOT ELLEN FISHER  
DONNA ROHR NEVIUS

MARIANNE JOAN SCHARF, Honors in  
Liberal Arts and Sciences with  
Distinction in the Curriculum  
MARILYN FRANCES TRIEBEL

*In the Teaching of Speech*

CAROL ANGELA BENSON  
PATRICIA ANN CURTIS  
ELIZABETH FRANK  
JUDITH MENKE GARNEAU  
LINDA JOYCE GRAZULIS

BARBARA JANE HERMLING, Honors in  
Liberal Arts and Sciences with  
Distinction in the Curriculum  
CHARLOTTE CATHERINE WISER

**Degree of Bachelor of Science**

*In Chemical Engineering*

ARTHUR WILLIAM ALDAG, JR., Honors  
in Liberal Arts and Sciences with  
Distinction in the Curriculum  
LEE EDWARD BRECHER, Honors in Lib-  
eral Arts and Sciences with High  
Distinction in the Curriculum  
EUGENE JAY CONE, Honors in Liberal  
Arts and Sciences  
DAVID ELMER EARLS, Honors in Liberal  
Arts and Sciences with Highest  
Distinction in the Curriculum  
CHARLES ALLEN GARBER, Honors in  
Liberal Arts and Sciences  
WILLIAM JOHN HOLLY, Honors in Lib-  
eral Arts and Sciences  
ALLEN ARTHUR KOZINSKI, Honors in  
Liberal Arts and Sciences with  
Highest Distinction in the Curric-  
ulum

CARL YA MAN  
ROBERT BRUCE MATHESON, Honors in  
Liberal Arts and Sciences  
THOMAS JOSEPH OHLEMILLER, Honors  
in Liberal Arts and Sciences  
SHANTI MOHAN RAJAN, Honors in  
Liberal Arts and Sciences with  
Distinction in the Curriculum  
BHARAT RAMNIKLAL SHAH  
RICHARD FREDERICK SUTTON, JR., Hon-  
ors in Liberal Arts and Sciences  
with Distinction in the Curriculum  
JAMES FLOYD TONJUM  
ALEX JAY VOGEL, Honors in Liberal  
Arts and Sciences with High Dis-  
tinction in the Curriculum

*In Chemistry*

MARTIN BURTON BARANCIK, Honors in  
Liberal Arts and Sciences with  
Distinction in the Curriculum  
JANE MARLENE BINKELE, Honors in  
Liberal Arts and Sciences  
JOSEPH WILLIAM BRUCKMAN  
GLEN ALVIN CARLS, Honors in Liberal  
Arts and Sciences with Distinction  
in the Curriculum  
HARLAN EUGENE CLARK, Honors in  
Liberal Arts and Sciences with  
Distinction in the Curriculum  
CLARKE JOSEPH HALFMAN  
ALAN BRUCE HOFFMAN, Honors in  
Liberal Arts and Sciences with  
Highest Distinction in the Curric-  
ulum  
JOHN EDWARD KAUFMAN, Honors in  
Liberal Arts and Sciences with  
High Distinction in the Curriculum  
LEWIS MICHAEL KOPPEL, Honors in  
Liberal Arts and Sciences with  
Highest Distinction in the Curric-  
ulum

JOSEPH BELSLEY MILES, Honors in  
Liberal Arts and Sciences with  
Highest Distinction in the Curric-  
ulum and with Highest Distinction  
in Mathematics  
MARK LLOYD MILLER  
MARTHA KAREN MILLER  
GARY LEROY MOWDER  
PHILIP EDWARD NICPON  
CARL WILLIAM SIGEL, Honors in Lib-  
eral Arts and Sciences with Dis-  
tinction in the Curriculum  
JAMES ANTHONY SPUDICH, Honors in  
Liberal Arts and Sciences with  
Highest Distinction in the Curric-  
ulum  
THEODORE GUSTAV WAECH, Honors in  
Liberal Arts and Sciences with  
Distinction in the Curriculum  
EUGENE LO WEI, Honors in Liberal  
Arts and Sciences with Distinction  
in the Curriculum  
JON EDWARD WEINZIERL  
ROBERT AUGUST WHITE

*In Liberal Arts and Sciences*

CHARLES WESLEY ADAMS  
FLAVIA GABRIELLE AGNELLO

CARL EDWARD ALLISON  
RONALD GAIL ALTIG

- SHELDON ALTSCHUL  
 SUSAN APPEGATE  
 WILLIAM ALEXANDER AYER, JR.  
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 DONALD EDWARD BEDFORD  
 SAMUEL EDWARD BENJAMIN, JR., Honors in Liberal Arts and Sciences  
 GERALD MARTIN BERKE  
 JONATHAN MILTON BERKSON  
 HENRY MICHAEL BERNSTEIN  
 CAROL SUSAN BISS, Honors in Liberal Arts and Sciences  
 SAMUEL FOREST BOGGESS, Honors in Liberal Arts and Sciences  
 LORELEI JOY BORLAND  
 SARA MAE BOURQUE  
 KENNETH ALAN BOWEN, Honors in Liberal Arts and Sciences with Distinction in Mathematics  
 MARVIN EUGENE BRAASCH  
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 JOHN DAVID BRADBURN, Honors in Liberal Arts and Sciences  
 DAVID N. BROADBENT  
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 ROBERT ERIC BURROWS  
 JUDITH ANNETTE BURT  
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 ROBERT LEE CAMP  
 JOHN WALTER CARVETH, Honors in Liberal Arts and Sciences with High Distinction in Psychology  
 DONALD THURE CERLING, Honors in Liberal Arts and Sciences  
 SANDRA KAY CHANEY  
 HARTLEY AMES CHELIN  
 NELLIE CHUENG-WAH CHOI  
 RICHARD RUAL CLARK  
 WILLIAM HOYT CLARK, JR.  
 LAWRENCE ELIAS COUCH  
 HOWARD LEE CREININ  
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 MICHAEL JOSEPH DANIEL  
 MICHAEL JOSEPH DE LIO  
 MONTY LUCILLE DIXON  
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 DALE LEONARD DROLET, Honors in Liberal Arts and Sciences  
 HARVEY DRUCKER, Honors in Liberal Arts and Sciences  
 IRA WILL DUBROW, Honors in Liberal Arts and Sciences  
 VICTOR BUKA EICHLER  
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 ELAINE BEVERLY GARRETT  
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 MICHAEL COWL GORDON, Honors in Liberal Arts and Sciences  
 FRANK DAVID GROSSHANS, Honors in Liberal Arts and Sciences with Highest Distinction in Mathematics  
 GLENN RAY HAAS  
 PEGGY JEAN HABERMEHL  
 EUGENIE LOUISE FRANK HARRIS  
 PATRICIA KAY HEINIGER  
 LUCILLE MARIE HOFFMAN  
 DANIEL SELLUICK HOSKEN  
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 CONRAD EUGENE HUSS  
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 ESTELLE SARAH JONES  
 LOIS RUTH KAHN, Honors in Liberal Arts and Sciences with Distinction in Zoology  
 MARTIN ROY KAPLAN  
 JAMES AMBROSE KEARNS  
 MARCIA TUCKEY KOCH, Honors in Liberal Arts and Sciences  
 MARSHALL KOLODENKO  
 MILDRED ANNA KOSNER  
 SYLVIA REBECCA KOWALESKI  
 KENNETH ROBERT KOZY  
 MARTIN ALAN KRAMEN  
 JAMES SIGURD KULSENG-HANSEN  
 JACOB WAN-TAT LAM  
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 CHARLES PITTMAN LAWLESS, Honors in Liberal Arts and Sciences  
 MARVIN S. LEVIN, Honors in Liberal Arts and Sciences with High Distinction in Mathematics  
 HOWARD BRUCE LEVY  
 KATHARINE BROADDUS LIEB  
 MERLE SANDRA LIST  
 CONNIE MAE LUNDEEN, Honors in Liberal Arts and Sciences with Distinction in Microbiology  
 MELVIN ALLAN MACGIBSON, Honors in Liberal Arts and Sciences  
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 KAREN ARLENE MASON  
 GARY LEE MCCLUNG  
 MELODY MEYERSON, Honors in Liberal Arts and Sciences  
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 GREGORY EDWARD MILLER  
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 STEPHEN ANDREW MOONEY  
 MICHAEL REEDER MORRELL

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 MICHAEL JOHN NOLAN  
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 DAVID EDWARD OELKE, Honors in Liberal Arts and Sciences  
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 SHOSHANA OLECH OREF  
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 IRA JOEL PIEL, Honors in Liberal Arts and Sciences  
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 GERALD THOMAS REEDY  
 SHEILA SANDRA ROCKWELL  
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 ELISABETH SUE ROWAND, Honors in Liberal Arts and Sciences with Distinction in Psychology  
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 RONALD SIMON

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 NINO SORGENTE  
 PENELOPE SPELMAN  
 SIDNEY MICHAEL STAHL  
 KATHRYN MARIE STANLEY  
 RONALD JAY STONE  
 JOHN ROBERT STROEHLEIN  
 RICHARD LOUIS SWALLOW  
 DERYCK LEIGHTON STEWART TAYLOR  
 RICHARD DAVID TEMPLER  
 NANCY JANE TEMPLES  
 PAUL JOHN TENCZAR  
 RICHARD PAUL TERANDO  
 JOHN RONALD THIELGES  
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 ZALMAN PHILIP USISKIN, Honors in Liberal Arts and Sciences with Highest Distinction in Mathematics  
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 MARY CLAUDIA WALSH  
 DAVID ALAN WALTRIP  
 JOAN KAY WEDBERG  
 LAWRENCE SCOTT WEPRIN  
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 STERLING BOONE WILLIAMS, Jr.  
 JAMES EUGENE WILLIAMSON  
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 WILLIAM LANE WITT, Honors in Liberal Arts and Sciences  
 NEIL WAYNE WOLF, Honors in Liberal Arts and Sciences  
 THOMAS PAUL YATES  
 LAWRENCE HARVEY ZAIDEN  
 EDWARD JAMES ZIMBROFF  
 WILLIAM EDMUND ZUMSTEIN

#### *In Physics*

RUDOLPH LEROY ENGMAN, Honors in Liberal Arts and Sciences  
 LEWIS JOSEPH MILTON, Honors in Liberal Arts and Sciences with Distinction in the Curriculum  
 GLENN ELLIS MOORE, JR., Honors in Liberal Arts and Sciences with Distinction in the Curriculum  
 JAMES ROBERT PLACE, Honors in Liberal Arts and Sciences with High Distinction in the Curriculum

DAVID EUGENE STANFEL, Honors in Liberal Arts and Sciences with Distinction in the Curriculum  
 SUSAN CHRISTINE TIDEMAN, Honors in Liberal Arts and Sciences with Distinction in the Curriculum

#### *In Speech Correction*

CAROLE JOYCE ALEXANDER  
 JUDITH DEE BERG  
 PATRICK EDWARD BOLAND  
 LAUREL SARA CHERTOW

LYNNE FLORENCE DREW, Honors in Liberal Arts and Sciences with Distinction in the Curriculum  
 LINDA RUTH JUNGE

HOLLY KAPPLE, Honors in Liberal Arts and Sciences with Distinction in the Curriculum  
 LETITIA SUSAN LAMP, Honors in Liberal Arts and Sciences with High Distinction in the Curriculum  
 BETSY LEVIN  
 CAROL ANNE McKEONE, Honors in Liberal Arts and Sciences with Distinction in the Curriculum

MEREDITH GAIL MEYERS  
 BARBARA STARKEY MUNSON, Honors in Liberal Arts and Sciences  
 MARNA JEAN MYERS  
 PHYLLIS ROCHELLE PODOLSKY, Honors in Liberal Arts and Sciences with High Distinction in the Curriculum  
 JUDITH HARRIET SUNDQUIST

*In the Teaching of the Biological Sciences and General Science*

KAY LYNN BAKER, Honors in Liberal Arts and Sciences with High Distinction in the Curriculum  
 RHODA ELLEN BOROS  
 DAVID JOSEPH BRUSICK  
 JANET MARY BURKLAND  
 JOYCE ANNETTE DEERING  
 ILA JOY ENTMAN  
 VALERIE LAWRENCE HEEMSTRA, Honors in Liberal Arts and Sciences with Distinction in the Curriculum  
 ELIZABETH ANN KENDZIOR, Honors in Liberal Arts and Sciences with Distinction in the Curriculum

GERALD LEE KREITNER  
 PATRICIA ANN RICCETTI, Honors in Liberal Arts and Sciences with Distinction in the Curriculum  
 WAYNE EDWARD ROGOSKI, Honors in Liberal Arts and Sciences with Distinction in the Curriculum  
 WILLIAM DALE UNVERFERTH  
 LOUISE ANNA WOLF

*In the Teaching of Chemistry*

GERALD WILLIAM LEIBFORTH, Honors in Liberal Arts and Sciences

*In the Teaching of Mathematics*

MARLENE ADRIENNE ARTSTEIN, Honors in Liberal Arts and Sciences with Distinction in the Curriculum  
 BEVERLY BARBARA BISS, Honors in Liberal Arts and Sciences with Distinction in the Curriculum  
 RUTH MARY FESSER  
 KATHLEEN OSBORNE HAHN  
 JO LAVERA KENNEDY, Honors in Liberal Arts and Sciences  
 WILLIAM JOSEPH KESSLER  
 KATHLEEN MAE MUNDY, Honors in Liberal Arts and Sciences with High Distinction in the Curriculum

NORMA JEAN SCHAFER, Honors in Liberal Arts and Sciences  
 SUSAN LYNN SCRIBNER, Honors in Liberal Arts and Sciences with Distinction in the Curriculum  
 JUDITH ZIKAS SOMERS, Honors in Liberal Arts and Sciences with Distinction in the Curriculum  
 ROSEMARY FRANCES STOLFA, Honors in Liberal Arts and Sciences with Distinction in the Curriculum

*In the Teaching of Mathematics and the Physical Sciences*

JOHN MICHAEL HENEGHAN  
 TERRANCE LEE HUFF

ANNETTE ROSE PIONTEK

COLLEGE OF LAW

Degree of Bachelor of Laws

ROBERT HENRY ADCOCK, A.B., Wabash College, 1960  
 JEAN APPLEMAN, A.B., 1960; High Honors  
 EUGENE LEE ARMENTROUT, A.B., North Central College, 1960  
 DAVID BOERNER, B.S., 1962  
 KENNETH STANLEY BROUN, B.S., 1960; Honors  
 WALTER STEPHEN CLAGGETT, A.B., 1960

GARY LEE CLARK, A.B., St. Ambrose College, 1960  
 HENRY THOMAS COGHILL, JR., A.B., Michigan State University, 1959  
 DAVID CHARLES COLEMAN, A.B., 1960  
 LAWRENCE EDGAR EATON, JR., B.S., 1952  
 GARY LADIMER ECKLUND, A.B., Wheaton College, 1958

- CHARLES EMILE EHLERT, A.B., Yale University, 1960  
 SAMUEL LOUIS ERWIN, A.B., 1957  
 ALLAN SIDNEY FEINGOLD, A.B., 1961  
 JAMES MONROE FOX, A.B., Augustana College, 1960  
 SHERWIN MURRAY GOLDBERG, A.B., State University of Iowa, 1958  
 BRUCE GEORGE HILLSTROM, A.B., De-Pauw University, 1960  
 FRED LEONHARDT HUBBARD, B.S., 1961  
 JAMES MICHAEL HUCK, JR., B.S., 1960  
 PETER HARRY HUIZENGA, A.B., Hope College, 1960  
 RONALD GENE KLEIN, B.S., 1961  
 CARLA KAY KOGAN, A.B., 1960  
 ROGER EARL LAGESCHULTE, A.B., Wartburg College, 1960  
 RICHARD GORDON LAMBERT, B.S., Southern Illinois University, 1958  
 MICHAEL LEE LAPIN, A.B., 1961  
 NEAL CRAIG LAWSON, A.B., North Central College, 1960  
 LEAH SCHROTBERGER LEE, A.B., 1960; High Honors  
 JOSEPH LORD LONG, B.S., 1958  
 THEODORE JOHN LOREK, JR., B.S., 1960  
 EDWARD STANELY MALECKI, JR., A.B., 1961  
 DAVID EDWARD MCCrackEN, JR., B.S., 1960  
 DOUGLAS MILLARD III, A.B., Lawrence College, 1960  
 JEROME MIRZA, B.S., Illinois Wesleyan University, 1960  
 MARCO JOSEPH MUSCARELLO, B.B.A., University of Notre Dame, 1960  
 RICHARD BRUETTE OPSAHL, A.B., Luther College, 1959  
 RONALD LEE OTTO, A.B., 1960  
 ARNOLD EDWIN PERL, A.B., 1961  
 FREDERICK GILBERT PINK, Honors  
 DAVID SHAGAM  
 JOHN CAMERON STEPHENSON, A.B., Westminster College, 1959  
 ROBERT FREDERICK AUGUST STOCKE  
 EDWARD FRANK SUTKOWSKI, B.B.A., University of Wisconsin, 1961  
 FRANK ANTHONY WARD II, A.B., Johns Hopkins University, 1960  
 ROBERT LAVERNE WATSON, B.S., Millikin University, 1962  
 GEORGE IVAN WHITNEY, A.B., 1960  
 DONALD LEROY WILBER, A.B., Millikin University, 1962  
 ERROL ZAVETT, A.B., State University of Iowa, 1960  
 WILLIAM LEE ZESSAR, B.S., 1953  
 MAX EDWARD ZOLLNER, A.B., Knox College, 1960

#### COLLEGE OF EDUCATION

##### Degree of Bachelor of Science

###### *In Education*

- |                                  |                                       |
|----------------------------------|---------------------------------------|
| NORMAN EUGENE ART                | JUDITH ANN ROSENBAACH                 |
| LYDIA SUE BACH                   | ESPERANZA FLORDELIZ SANDOVAL          |
| LORENA DIVAN BARNES, High Honors | MARIE LOUISE SCHLICHTING              |
| ALVIN LYLE BOYD                  | WILLIAM DAVID SHAFER                  |
| ARLENE IRVINE DAVIS              | SUSAN AVERILL SHAW                    |
| DALE EDWARD EWEN                 | TEHILA AVERBUCH SHEINBLATT            |
| FRED O. FLENER                   | JON RICHARD STEEN                     |
| LANIS MAE FUERST                 | FRANCES ELAINE STUCKEY                |
| VIRGINIA AGETT KAYE              | ZALMAN PHILIP USISKIN, Highest Honors |
| CONNIE ANN MINGEE                | JOHN THOMAS VAN BRANDEGHEM            |
| JILL MARIE LAMB NANCE            | ROY LEE WACHTER                       |
| SUKRAN ATAY OZUGLU               | LEEANN RAE WITHNELL                   |
| JAMES RICHARD POLING             |                                       |

###### *In the Education of the Deaf*

- |                             |                     |
|-----------------------------|---------------------|
| MARY ANN CLAASSEN           | JANET GWIN GILLUM   |
| JANICE ELAINE FILIP, Honors | CAROLYN JUNE SONDEE |
| LINDA LOU FRANKS, Honors    |                     |

###### *In the Education of Mentally Handicapped Children*

- |                                 |                                |
|---------------------------------|--------------------------------|
| LORALEE JEAN ABBOTT             | LESLEY ELLEN DUBOE             |
| GERTRUDE BOHNER                 | MAUREEN FERN FELDMAN           |
| LORELEI KAY BOWMAN, High Honors | BEVERLY NELSON MELLISKOG       |
| ELAINE MARLENE BUDACH           | BARBARA RUTH SILVERMAN, Honors |
| MARY ELLEN COWAN                | CAROL ANN STERN                |
| ANN JUDITH DAVIS, High Honors   | MARCIA KAY UMSTOT              |

*In Elementary Education*

SANDRA TURNEY ADDY	JOANNE NANNETTE KLIER, Honors
JOAN ELAINE ANDERSEN	JOYCE LYNN KUKLA
BONNIE KAY ARMSTRONG	MARGARET SCHULTZ LAIVINIEKS
NANCY CAROL BARRETT	KATHERINE BERTHA LAWRENCE
MARY CAROLINE BARTLETT	JOAN FERRISS LEFKE
JUDITH MOYES BAUMAN	JANET ADELLE LEFTWICH
MARY ANN BERGMANN	BARBARA SUE LEVENFELD
KAREN LYNNE BICKEL, Honors	SANDRA LEE LILEGDON
BONNIE JEAN BONESS	HANNAH LOEB
CAROL ANN BORRE, Honors	DIANNE JUNE LOQUIST
RITA JEAN BRANDT	PATRICIA CAIN LUDLAM
BARBARA ANN BREITENBACH	VIRGINIA MAXEY MARSH
SALLY WABEL BROUGHTON, Highest Honors	WILMA JOSEPHINE MARSHALL
JACQUELINE ANNE BUTLER	BELVA JOAN MARTIN, High Honors
KATHLEEN DOROTHY CAMPBELL	PATRICIA LANE MCGRATH
MARYLEE CHVAL	DONNA HARRISON MERSON
CAROLE POVLO CLARK, High Honors	KATHLEEN MARGARET MICHALSKI
FERN COBB	JACQUELINE VITA MIGDAL
CONSTANCE LOUISE COLLINS	FRANCINE HARRIET MINOWITZ
SANDRA LEILANI CUNNINGHAM	THERESE ANN MULLER
JANICE ELAINE DAHLSTROM	VIRGINIA TROUT MYER
ELLEN WENDY DAVIDSON, Honors	HELEN MARIE NEUMANN
SUSAN JO DESJARDINS	MARY THOMAS NORDWALL, Honors
FLORENCE DOROTHY DIX	LYNN KAREN NOVAK
FERN HELENE EDIDIN	JEAN ANN PAYCHL
JUDY FAYE FEHRENBACHER	CORLISS PAYNE
ARLENE COHEN FEINBERG	JACKLYN MAXINE PETCHENIK
SUZANNE LONGTON FLETCHER, Honors	NAOMI RACHELLE PICKARD
JAYNE PHIPPS FREEMAN, High Honors	ROBERTA LOIS PINES
JANE VELMA FULLERTON	JOYCE RAY PRESTON
JUDY SCHREINER FULMER, Honors	DONNA LEE RACHLIN
JEAN LAVERNE GAECKE, Honors	JEAN MARY RAFFERTY
SHARLENE PEGGY GARFIEN	PAULINE RASSOGIANIS
ROBERTA LEE GERARD	MARJORIE ANN REILLY
GEORGIANNE CAROL GIESEKE	ANN MUTTER REISNER
BRONA HELEN GLICKMAN	JOY PHYLLIS RICKERT
JULIA DEUTSCH GOLDSTEIN	CYNTHIA DEE RICEY
JANET ROBERTSON GRIMES	MARJORIE ELLEN ROBINSON
CAROLYN GRONER	ELIZABETH ANNE SAVAGE, Honors
CAROL ANN GROTE, High Honors	HELEN MATTESON SCHOTANUS, High Honors
KATHY JANE HAEFELIN	LINDA JUNE SCHROEDER
ELLEN KATHERYN HAGELOW	SUZETTE MARIE SCHULTZ
BETSY CREVISTON HALL	SANDRA BONNIE SCHWARTZ
NANCY KATHRYN HARLAN	LYNDRA MCCLAIN SEELY
JODY ANN HARRIS, High Honors	STEPHANIE ANNE SHEETS
SUZANNE HENSON	RUTH ELAINE SHUPE
JERRY LEE HOFFMAN	SUE CAROL SHURTS
PATRICIA SCOTT HOLLOWAY	VIRGINIA MARGARET SIGEL
WENDY JANE HORN, High Honors	IDELL JOAN SILBERG
JANE ALICE HOWARD	JOHN NICHOLAS SIMON
FRANKIE DEE HUTLER	MARILYN CLARE SLABY
JOYCE JACOBS	JUDY MAE SPIKRE
GAIL BELLE JOHNSON	AMELIA STEFANOS, Honors
MARLYS ZANDER JOHNSON	KATHLEEN ANN STEVENS
KAREN BOHART KASNAK, Highest Honors	DIANNE FISHLOVE STONE
HAZEL RANDALL KELLEY	ELAINE BARBARA STONE
NANCY JEAN KEPNER	GLORIA ANN STUEBE
KAY MARIE KLAUS	ELEANOR ELIZABETH SWAIN, Honors
MAXINE SHARI KLEMPNER	VIVIAN ANN UZZARDO
	SANDRA KARYL VAN HOUTEN

MARLENE JOY WALULIS  
SHARON LOIS WINKEL  
BARBARA ANN WOLFSON

SHARRON JUNE WOMACK  
JEANETTE LORSCH ZANDELL

*In Industrial Education*

FERNANDO GEORGE ARENAS, JR.  
ARTHUR DANIEL AVERY  
JAMES EDWARD GILBERT, High Honors  
JOHN B. GOTTA

BRUCE EDWARD MARSHALL  
BALDEO RAMLACHAN  
JACK BURTON SELICOVITZ  
RONALD CRAIG SMITH

COLLEGE OF COMMERCE AND BUSINESS ADMINISTRATION

Degree of Bachelor of Science

*In Accountancy*

RICHARD NEAL ABRAMS  
DAVID INGVAR ANDERSON  
PAUL RAYMOND ANDERSON, Honors  
RICHARD ERNEST BARTLE  
GLEN LAVERN BENOY, JR.  
SEYMOUR BEREBITSKY  
VICTOR HERBERT BEZMAN, Honors  
HENRY FRANK BLADA  
THOMAS BENDELOW BROWN, JR.  
KENNETH STANLEY BRUNSMAN  
ROBERT ARTHUR BURTON  
BENNY MARVIN CHANEY  
GERALD DAVID CHISS, Honors  
ALAN DUANE CORNUE  
JAMES EDWIN CROUSHORE III  
LAWRENCE WILLIAM DETTMER  
PAUL EDWARD DUCKWORTH, High Honors

WILLIAM JOHN DUFNER  
JOSEPH EARLE ERNSTEEN  
BRUCE WARREN FISHER  
ALLEN ROBERT FREEDMAN  
BARRY ALAN FRIEDMAN, Honors  
THORSTEN LENNART GARDNER  
GERALD ALAN GOLDMAN  
CAROL KASANDA GRUEN  
RALEIGH TERRY GUICE  
MARVIN LEROY HAAS  
THOMAS CARTER HARKESS, High Honors  
RALPH ARTHUR HOFFMAN, High Honors  
ABBY HELENE ISRAELOW  
JAMES KENT JEANBLANC, High Honors  
EDWARD DANIEL JENKINS  
JACK ALLEN JOYNT  
STEPHEN DANIEL KALUS  
SHELBY H. KANARISH  
MARSHALL LEE KERSCHNER  
JOHN EDWARD KESSLER, High Honors  
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KENNETH LEE KLEIN  
ALBERT RICHARD KOENIG  
JAMES MITCHELL KOLTVEIT, Honors  
LOREN BERNARD KRAMER  
LEONARD RAYMOND KROLL  
EUGENE STEPHAN KUCIA  
CHARLES RUDER LAFF  
RONALD EUGENE LARSEN

PAUL FRANCIS LAWLESS  
THOMAS DANIEL LEDDY  
STEPHEN MICHAEL LEWIS  
DEAN JAY LINDSEY  
THOMAS RUDOLPH LITVAY  
DON GALEN LOCKHART, Honors  
MICHAEL JOSEPH LONDRIGAN  
MICHAEL RAYMOND LOONEY, High Honors  
JOHN NATHANIEL LOWELL  
ALLAN BRUCE MANWEILER  
ROY OTTO MATTHES  
LLOYD MILTON MCCLURE, High Honors  
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GARY DEAN MUZZY  
MARTIN LEWIS NATHAN  
JAMES RICHARD NEECE  
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MURRAY JOEL POLLACK, Honors  
MARION RANDOLPH PRINCE  
IRA L. PRITZKER, High Honors  
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MARVIN ROY RANEY  
JAMES HOWARD RAY  
FERDINAND HERBERT REICHELT  
JOHN LYMAN RILEY  
RONALD CARL ROBERTSON, Honors  
TERRENCE GEORGE ROGIER  
STUART ROBERT RUBIN  
HUGH RUDDOCK  
KRISTI MARIA SALM  
JOSEPH MICHAEL SCHERIGER  
RONALD MORLEY SCHWARTZ  
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DAVID BRUCE SELIG  
MYRON DAVID SHAPIRO



JUDITH PAULA SNYDER  
KENNETH IRA SOLOMON, High Honors  
RICHARD RONALD SOLOMON  
DAVID GEORGE WALTERS, Honors  
BARRY LOUIS WEINSTEIN  
JACK WEMHOENER

THOMAS DENNIS WHITE  
RONALD JOHN WITEK, High Honors  
WAYNE WESLEY WOLF, Honors  
STEVEN EDWARD WOLLACK  
RICHARD ALLEN ZIEFF  
MICHAEL ARTHUR ZUCKERMAN

*In Accountancy and Economics*

TERRY MICHAEL SCHLADE, Honors

*In Accountancy and Finance*

JAROSLAW ROMAN MARTYNIUK

*In Accountancy and Marketing*

MICHAEL JAMES LIBERTA, Jr.

*In Commerce and Law*

JOHN HASKETT DAVIES  
JOHN PRIMM JACOBY, Honors  
ALBERT HERMAN KRUSEMARK  
LORIN MITCHELL SPARK

STEPHEN ERIC SWARD  
THOMAS MILTON TURNER  
CARL LEE VACKETTA

*In Commercial Teaching*

STUART ARNOLD DINKEN  
CAROLYN JUNE DODSON  
LINDA LOU GILL  
JUDITH MAUREEN IRWIN  
NANCY GIBSON JOHNSON

CAROLE SUSAN KOBER  
CAROL ANN NEWMANN  
NANCY JOSEPHINE NOLAN  
EUGENE MICHAEL SHIFRIN  
NANCY RAY TETZLAFF, Honors

*In Commercial Teaching and Finance*

ARTHUR LEE JUNKINS, Honors

*In Economics*

HARRY BLOCH, Honors  
DOUGLAS ROY CARMICHAEL, Honors  
JERRY LEE DEGARMO, High Honors  
JOHN FREDRICK FICKS  
FRANCIS GREGORY HERAS  
ROBERT ACKERMAN JOHNSON  
RICHARD DON JOSEPH  
JOSEPH PETER LACAVA  
FREDRICK MAX MEINEL  
DONALD WILLIAM RAMEY

PATRICK EDWARD REA  
JUDI ANN RISS, High Honors  
ROBERT HENRY SCHMIDT  
FRANK JOSEPH SCHMIEDER  
JEFFREY SCHUBERT  
DAVID STEPHEN SPENCER, Honors  
JAMES FREDRICK STULL  
DANIEL BERCHMAN SWEENEY  
THOMAS WEBB TATNALL, High Honors

*In Finance*

STEPHEN LEROY ALLISON  
DONALD ALFRED WALSTEIN BANGS  
ROBERT CORDELL CERNE  
STUART RAY CITRON  
RICHARD STEPHEN CUSAC  
CLARENCE LEE GERDES  
MARION HERBERT GIESECKE  
EDGAR LEE GREEN  
LEROY BERNARD HAZEN  
RICHARD WINE HEINMILLER  
JOEL STEPHEN HIRSCH  
WILLIAM ARRASMITH HUNT  
ARTHUR RAYMOND KINGERY  
DAVID WILLIAM LEMBKE  
DAVID N. LEZEAU  
PAUL NIM-CHI LIANG  
PAUL LESTER LIEBERMAN  
JOHN EASTMAN LITTLEMEYER

SANFORD MINTZ  
FRANK HENRY MYNARD  
JUDITH JOANN POLO  
ALLAN NORMAN REISNER  
ALAN MARSHALL RESSER  
DAVID MARTIN ROBBIN  
WILLIAM BANDLOW RYFSTAT  
GERALD ERNEST SCHULTZ  
FRANK JOHN SCHWEITZER  
WARREN HARRY SCHWIESOW  
DONALD GENE SMITH  
GEORGE EDWARD SMITH  
STUART ALAN STERN, Honors  
RICHARD LYNN STUMM  
RICHARD JOHN VICARS  
WILLIAM LESLIE WELCH  
DAVID JAMES WINTER

*In Finance and Marketing*

BYRON ALAN BROOK

*In Industrial Administration*

GEORGE THOMAS CARROLL, JR.  
MICHAEL HERBERT GREENBERG  
CRAIG LLOYD McRAE  
WILLIAM DAVID ROBB

JAMES CARL STALLMAN  
JOHN ROBERT WEIS  
ELDON WILLIAM WHITTAKER

*In Management*

RICHARD WILLIAM AMBROSE  
JAMES THOMAS CROTTY  
JOHN HARRY DEJONG  
THOMAS LEONARD DE WAELSCHÉ  
JAMES MARTIN DOWNEY  
KAREN ELAINE DRYER  
TERRY ALAN DUNAVAN  
JOHN ALEXANDER DUNCAN  
RONALD BENJAMIN ENTZMINGER  
JEROME SPENCER GOLDSTEIN  
RONALD PAUL GROSS, Honors  
PHILIP JOSEPH HACKL  
JOHN HENRY HARRISON  
WILLIAM DAVID HERB  
JOSEPH WILLIAM HOBBS  
JAMES HARRISON HOFER

THOMAS MCINTYRE HOUGH  
JEFFREY DAVID HOWELL, High Honors  
DOUGLAS ERIC JACKSON  
DANIEL GLEN MCKINNEY  
MARILYN JOAN MICHAL  
CHARLES RAY MILLER  
JOHN CLINTON MOORE  
NEIL MICHAEL NELSON  
MELVIN CHARLES ROMANI  
ROBERT FRANK SEBASTIAN  
DWIGHT EARL SHANK  
SUSAN JEAN SKOFF  
DAVID LEO SOLMUNDSON  
JAMES EDWIN THAYER  
RICHARD WAYNE WALLACE  
DOUGLAS ERNEST WHITE

*In Management and Marketing*

MICHAEL JOHN FALLAW

FRANK CARL GAIDES

*In Marketing*

FRIEDEL MANFRED ACKER  
ALBERT ROY BAINES III  
STEPHEN YALE BARKAN  
JAMES DAVID BARR  
LARRY WESLEY BARTON  
STEPHEN LOWELL BAUM  
JAMES GODFREY BLANKENBURG  
KATHERINE LOUISE BROWN  
DONALD ANTHONY BUESCHER  
RONALD JOSEPH BULIN  
LAWRENCE JOHN CRAELIUS  
RONALD FLOYD CRAIG  
JOHN HOWARD DANKO  
DENNIS ROBERT DIBOS  
DAVID JOHN DOWNEY  
DAVID LEE ENGLISH  
DENNIS MICHAEL FLAHERTY  
MARGOT ANN FLINN  
JOAN KATHERINE FORMANEK  
RAYMOND PAUL FRITZSCHE  
RONALD HARRY GENENZ, Honors  
CHARLES LESTER GETMAN  
THOMAS EHRLER GOETTSCHÉ  
JOEL WARREN GREENBERG  
KENNETH JACOB GROSCH  
JOHN FRANK HANSON  
ROBERT ARTHUR HURST  
ALAN HARVEY JACOBS  
MARY DEAN JENKINS  
JOHN ANDREW JIRGENSON  
MELISSA ROSE KAMILLE  
MICHAEL DANIEL KOLODZIEJ  
KENNETH MARTIN KONECNIK

MAXINE JUDITH KUKLIN  
GLORIA MARIE LAZAZZERA  
MARVIN LERMAN  
CHARLES WILLIAM LITZEN  
ROBERT JAMES LUEHRING  
KENNETH SMITH MACKENZIE  
DONNA JEAN MATSON  
DAVID LEE MAUPIN  
ROBERT JOSEPH MAYER  
ERIC HANS MEDROW  
RONALD THEODORE MIKRUT  
WILLIAM ROGER NEMECEK  
KENNETH ALLEN RAWSON  
CHARLOTTE PETTY REEDER  
DALE LEROY ROTHENBERGER  
RICHARD RALPH ROYER  
EARL MARTIN SABES  
ROGER FRANK SCHAUER  
WILLIAM CORDELL SCHWEIZER  
RICHARD EUGENE SCOTT  
CHARLES DANIEL SHAUER  
ROBERT JOEL SIEGEL  
JANET MAE SLOMKA  
WILLIAM GEORGE SMALL  
ALBERT CULLY TAYLOR  
MICHAEL TEPPER  
JAMES ADRIAN VERHOEVEN  
JOHN CHARLES WEBBER, Honors  
JOEL DAVID WEISMAN  
RICHARD JOSEPH WHITEHEAD  
BARBARA ANN WIELGOSZ  
KENNETH ALBERT WOJCIESZAK

*In Secretarial Training*

JUDITH FRANCINE HOOD  
JOAN ELLYN NEUMANN

LINDA JEAN PETERSON  
TERRY ANNE SHULL

*In Urban Land Economics*

DALE CARTER ALTMIN  
CHARLES RICHARD BALKIN

MICHAEL ROBERT KIEN  
FRANK PAUL MOSCHELLA

## COLLEGE OF JOURNALISM AND COMMUNICATIONS

## Degree of Bachelor of Science

*In Communications*

ROBERT EDWARD ADAMS  
BRIAN ROBERT BLAND  
GEORG JOACHIM-FRIEDRICH BLOME  
HELEN LOUISE BURGETT  
MICHAEL ROBERT CARTER  
HARRISON LEON CHURCH  
JUDITH KAY CONE  
CHRISTINE ELIZABETH CZURYLO  
RONALD NEIL DECOOK  
DARROUGH BLAINE DIAMOND  
JEAN ANN EVEN  
JOHN GRIFFITH FORNOF  
SUSAN JOYCE GELFAND  
JAMES DOUGLAS HANCOCK  
EDITH FLORENCE HANSON, High Honors  
LARRY WAYNE HARNLY, Honors  
CAROL JEAN HECK  
JANECE BURKE HOLMES  
JOHN CARROLL HUDSON  
LAWRENCE VERN JAGNOW  
CHARLES FRANK JANOVSKY  
JEANNETTE LOUISE JOHNSTON  
JEWEL ANN JONES  
ROBERT MERLE KAHN  
BETTY KALLOS  
ANN HYDE KALMAN  
JERRY LEE KALMAN

LARRY MICHAEL KLINGMAN  
VALENTINAS LEOPOLD KRUMPLIS  
KAREN SUE LUCAS  
KALIOPEE CLEO MALAGARIS  
JUDITH CHARLOTTE MARKS  
DENNIS DECOURCEY McCANN  
JEROME ANDREW MOCH  
GEORGE MICHAEL MORVIS  
DONALD GENE MUNSON  
PAULA JEAN PETERS  
DONALD ROBERT PUKALA  
KAREN WISE ROSENBERG  
GERALDINE MARION RUKSA  
GARY ALAN SATHER  
RUTH CAROL SCHOENBECK  
DAVID CONNER SHAUL  
MARILYN ANN SKOR  
GRETCHEN SLICK  
GEORGIA SMITH  
HOWARD ROY SOLOMON  
DOROTHY DEGENKOLB WETZEL  
SANDRA LOIS WEXLER  
SUSAN MARY WIETLISPACH  
SUSAN LEE WILLIAMS  
BARBARA LIN YORK  
DONALD LEE ZUKOWSKI

## COLLEGE OF FINE AND APPLIED ARTS

## Degree of Bachelor of Architecture

NEIL DONALD ANDERSON  
JAMES SHIGETOSE AOKI  
GEORGE WILLIAM BLOOME  
LOUIS OTTO BOLWAHN  
JEAN PAUL BUDINGER  
JAMES FRANCIS CARBERRY  
HENRY STOW CHAPMAN, Honors  
JERALD LYNN CLARK  
DOUGLAS WILLIAM COCKFIELD  
FRANK JOHN COMBER  
DONALD JOSEPH CRNICH  
VAIDOTAS DAUKANTAS  
JAMES NICK ECONOMOS  
ROBERT RICHARD ENGELKE  
GRAHAM GLEN ENGELMAN, High Honors  
EDWARD MICHAEL FINE  
LONNIE LEMARR FRYE  
JAMES LEE GIBSON  
BARRY ALAN GOLDBERG

MARVIN GUNNAR GRAHN  
ANTHONY JAMES GRIFFIN  
LEON SYLVESTER HARLAN, JR.  
BARNABAS PETER JOSEPH HARRINGTON, High Honors  
NICK HONCHARUK, JR.  
STUART KALMAN JACOBSON  
JENS ANDREW JENSEN  
WILLIAM STANLEY JESSUP  
RICHARD LEE JOHNSON, High Honors  
THOMAS SHIGERU KATSUYOSHI  
KENNETH CLYDE KELLEY  
ROBERT DALE KLEINSCHMIDT  
HARRY STEVEN KROEGER  
RICHARD GRANVILLE LAXEN, High Honors  
GARY SCOTT LIKINS  
EVAN RUSSELL LLOYD  
HENRY R. LOPEZ  
LAWRENCE JOSEPH LUNDY

FRANKLIN ROOSEVELT MANGO  
JOHN THOMAS MAHER  
ARTHUR RICHARD MARKS  
KENT ALFRED MARTHALER  
TERRENCE ANDREW MCCORMICK,

Highest Honors

GEORGE HENRY MILLS  
MARSHALL JOSEPH MORETTA  
LESLIE IRA NATHAN  
WARREN JAY NEIMAN  
RICHARD DUANE ODLE  
JAMES MALCOLM PETERSON  
ABUL HASEM ABDUR RAHMAN  
ILMAR REINVALD  
ARTHUR CHARLES ROMMEL  
THOMAS JON ROSENGREN, High Honors

BARBARA DIANN ROWE  
LARRY MORTON SCHECHTER  
THOMAS RALPH SCHMENK  
WAYNE WILLIAM SHAW  
ANDREW JEROME SMITH  
STANLEY EDWARD SOPALA  
PAUL JOSEPH STRAKA  
WILLIAM RAY THOMPSON  
WALLACE JAMES TOSCANO  
GERALD JOSEPH VEVERKA  
ERNEST PETER WASILEVICH  
MICHAEL THOMAS WILLIAMS, Honors  
MYRON JOSEPH WIMMER, JR.  
RICHARD STANFORD WINTERGREEN  
DAVID WALTER ZEUNERT  
CONSTANTINE GEORGE ZISSIMOPOULOS

### Degree of Bachelor of Fine Arts

#### *In Advertising Design*

JOHN MICHAEL CHIOUS  
KENNETH EUGENE CROUSE  
JERVIS WILLIAM HILL  
SHERIDAN ARTHUR LEE  
EDWARD LYONS, JR.

KENNETH ALAN MONTONE, Honors  
JAMES STANLEY MURRAY, Honors  
BILL DEE SANDERS  
BARBARA SUE SMITH  
JOAN PAULINE WAHRER

#### *In Art Education*

JANICE LOUISE BERTRAM  
MELVIN WHITSETT CARTER  
JUDY DIANE GENE  
MARY LEE ISEL, High Honors  
LYNN SMITH JAENKE  
JOAN ABBY MALL, Honors  
LESLIE LOUISE MARKS

CHARLOTTE LOUISE NESMITH  
MARJORIE LEE NOVELLE, Honors  
SUSAN SMALLA PERKINSON  
BARBETTE JOAN ROTHSCHILD  
TONI LYNN SATHE  
ISABEL AMELIA WALTERS

#### *In Crafts*

FLOYD DALE ROUSH

#### *In the History of Art*

KATHRYN JO KALB, Honors

ESTHER MAGGOS

#### *In Industrial Design*

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DAVID RICHARD BUTLER  
DONALD GENE FALK  
BRUCE PAUL FINK  
RONALD VICTOR HESS  
LAWRENCE EMMERSON HOUSE II  
ROBERT CHARLES LAMPERTIUS

MANFRED GEORG NIKOLAUS  
HARVEY RICHARD OSTRESH  
JOHN BRUCE REA  
FRANCIS BENINGTON RECKITT, JR.  
NORVID ROOS  
HENNING JORGE SPEYER  
DEAN EDWARD WILSON

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BRUCE JOHN CONROY  
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CARL LUDWIG GOETZ  
THOMAS HOMER JOHNSON

WILLIAM HARVEY RAY  
JOHN WILLIAM RIPLEY  
BERNARD CHARLES ROSAUER

#### *In Painting*

RACHEL MINNA BARON  
TRACY GAY BYROM, Honors  
JUDY LYNN CARLSON  
CAROL ANN COMISKEY  
WILLIAM SHERMAN DOWNEY, JR.,  
Honors  
JUANITA LAVERNE GAMMON  
MARGARET RUTH GILLER  
MARILYN IRIS GOLUB

PHYLLIS MARY HALPERIN, High Honors  
CECILIA AMELE KRUMAR, Honors  
SANDRA LYNN LESHNER  
RONALD EDWARD LINDEN  
JANET BAR LITNEY  
ALVIN DEMAR LOVING, JR.  
SPENCER LYNN NAMYST  
LEONARD JAMES PETERSEN  
PAMELA JANE PETRY

SUSANNE LUCIENNE PHILIPPSON, High Honors  
MARILYN LUCILLE WILSON, Honors

DANIEL LEONARD ZIEMBO  
MURRAY ZIMILES, Honors

*In Sculpture*

THOMAS JOHN TASCH, Honors

**Degree of Bachelor of Music**

JOHN RAYMOND BIELENBERG  
MARGARET ABBOTT KSANDER, High Honors  
MICHAEL RICHARD ROGERS, Highest Honors

WILLIAM RUSSELL SKIDMORE, High Honors  
COLLETTE MARIE SROKA, Highest Honors  
ROBERT SCOTT TYLER

**Degree of Bachelor of Science**

*In City Planning*

FRANK LYNN BALLIF ALBERT  
CHARLES EDWARD BATESON  
AUGUST CARL CHIDICHIMO  
ELLA ISABEL FLORES  
WILLIAM THOMAS GELMAN

ROY TORU KATO  
MELVIN JOSEPH SCHNEIDERMEYER, Honors  
CLIFFORD GLENN STRASSENBURG

*In Music Education*

CAROLYN JUNE BEATY  
CORALEA GABRIEL BERG  
JOHN RAYMOND BIELENBERG  
PATRICIA KAY CHENEY  
KATHLEEN JOYCE CLINE, High Honors  
DONALD MELVIN COLLINS  
JANICE DEANE CORUM, Highest Honors  
BEVERLEY GENE DAVIS  
JO ELLEN DUTTON, Highest Honors  
SUSAN ENT  
FREDERICK DEAN FAIRCHILD  
LILA DAWN FAIRCHILD, Honors  
JAMES HARVEY FELTS  
MELVIN LEROY FLOOD  
HARVEY ALBERT HERMANN, JR.  
AARON LEE JOHNSON  
JANETTE LYNNE JOHNSON

WILLIAM DEAN KISINGER, Honors  
TERRY RIDGELY KLAUS  
JOEL PAUL KLEIN, Honors  
DELMAR ARTHUR LOHR, High Honors  
BRENDA BROWN MCNEILAND, Highest Honors  
JANE ELLEN MYRICK, Highest Honors  
JAMES D. NELSON, High Honors  
CAROL LOU OYSTER, High Honors  
KIM ROBERT RICHMOND, High Honors  
ROBERT JOHN RUCKRIGEL, Honors  
WESLEY JOHN SCHUMACHER  
MARY ELLEN SIMONIN  
JUDITH ANN TRACY, Highest Honors  
MARLA KOVACEVICH WHEATLAND  
PHYLLIS LEA WORTHINGTON

**COLLEGE OF PHYSICAL EDUCATION**

**Degree of Bachelor of Science**

*In Health Education*

JANET JOYCE DEVINE

DELMAR JOE STAUFFER

*In Physical Education*

LETA ANN ACKERMAN  
WAYNE STANLEY AMBROSE  
BARBARA FAY ARNOLD  
LARRY LEON BALABANOW  
HARRY JAMES BARRETTE  
WILLIAM GEORGE BURWELL  
JOHN JOSEPH COLLINS  
IONE RUTH CRIEB  
THEODORE JOSEPH DEROUSSE, JR.  
ROBERT CLIFFORD DONOHO, Honors  
JUDITH LOUISE EDLUND  
JANET ELSIE ENGLAND  
SANDRA LEE FAIRCHILD  
DENNIS LUTHER HARRIS, Honors  
PATRICIA ANN HOSTETTER

LESLIE GEE HOWARD  
ANN BRANDENBURGER IMBODEN  
JEROLD EARL KAHLE  
EDWARD FRANK KRAL, JR.  
MARLENE JOY LANCE  
CHARLES RALPH LEONARD  
DAVID GEORGE MCGANN  
ARTHUR RAYMOND MICHAELY  
PENELOPE ANN POPE  
LUKE LEON RECKAMP  
MARY ELLEN SAER  
RONALD LOUIS SANDERS  
RICHARD FRANK SCHULZE  
JAMES EARL SIMPSON  
ALAN KEVA SMILEY

ROBERT RAY STARNES  
KENNETH HAROLD STRAND  
NANCY DIANE THOMSON

JACQUELINE MAE WALTERS  
DONALD KEITH WITZIG  
KENNETH WALTER ZIMMERMAN

*In Recreation*

FRANCIS DEAN BORROR  
ROBERT BRAUN DANIEL  
BARBARA LOUISE DANLEY  
LETITIA ANNE EDWARDS  
ALAN DAVID GREENBERG  
MARCIA MANETTE MENDELSON, Honors

JAN TRUMAN MUNCH  
GENEVIEVE BERKOWITZ PAINTER, Honors  
SHARON GAIL TRAYNOR  
THOMAS DANIEL TUTTLE  
SUSAN LESLIE ZALKIND

**COLLEGE OF VETERINARY MEDICINE**

**Degree of Bachelor of Science**

*In Veterinary Medicine*

RALPH ANTHONY BAER  
PAUL LEE CARON  
BEVERLY YVONNE COCKRELL  
ROBERT DYKEMAN DAVIS  
MARTIN PAUL DEANGELIS  
ALBERT STEVEN DORN  
JIMMY JAY ESTES  
JOSEPH JOHN FOERNER, JR.  
RICHARD EUGENE FREDRICKSON  
BILLY RAY GARLICH  
RAYMOND THOMAS HUSTON  
ALAN KENT KREMER  
DAVID WINSTON LAW

RAMON WESLEY MEDERNACH  
LARRY EUGENE MILLIS  
ROBERT LEROY MORRISSEY  
TIMOTHY RUSSELL O'BRIEN  
JOHN ANDREW PICKRELL, Honors  
LARRY DALE ROLLINS  
FELIX ROBERT SAVA  
WALTER LEE SESSIONS  
CHARLES WILLIAM SMITH  
JAMES HALE SOKOLOWSKI  
CHESTER CHARLES SWANSON  
OSCAR GARY SWANSTROM  
KENT DEWEY TRUCKENBROD

**Degree of Doctor of Veterinary Medicine**

JOAN MARTIN ARNOLDI  
NORBERT LEO ARNOLDI  
CURT HERMAN BARTHEL  
WESLEY GERHARDT BIERITZ  
ROBERT WORTHY BISHOP  
RICHARD LEE BRYANT, Honors  
WALTER WILLIAM DALITSCH, JR.  
BARBARA PETERSON DEEB  
JOHN OTIS DICKINSON  
DENNIS WILSON DUFFIELD  
HAROLD WILLIAM GEHRIG  
LARRY STUART GOODWIN  
SANDRA THERESA GRONTKOWSKI  
CARL JAMES GUARIGLIA  
ELMER CHARLES HENDRICKS, High  
Honors

ROGER SYLVAN JAENKE  
JIMMY BARTHEL JONES  
THEODORE ROOSEVELT KINNE  
KENDALL RALPH KNUTSTROM  
RUDOLPH KODRAS  
JAMES RICHARD LAMAR  
GLEN FRANKLIN LEHR  
JAMES GRATTAN LOGSDON, JR.  
KATHLEEN MARY MURPHY  
WESLEY TRUMAN OSTHUS  
RAYMOND BERNARD REEVES  
WILLIAM JOSEPH SCHAFER  
ROBERT PAUL SCHMIDT  
ARNOLD RAY SMITH  
RONALD ALLEN SWANSON  
RICHARD FRANKLIN WALLIN

*Degrees Conferred at Chicago*

**HONORARY DEGREES**

**Degree of Doctor of Science**

DETLEV W. BRONK, Ph.D.

**GRADUATE COLLEGE**

**Degree of Doctor of Philosophy**

*In Anatomy*

GORDON CHARLES BLAHA, B.S., Northern Illinois University, 1957; M.S., 1961  
DALE EDWARD BOCKMAN, B.S., Southwest Missouri State College, 1956; A.M.,  
Los Angeles State College, 1958  
SARA EISENBERG, M.S., University of Mexico, 1960

*In Biological Chemistry*

- ALBERT BABA DANIELZADEH, B.S., M.S., Loyola University, 1956, 1958  
 DAVID ALLEN DENNEN, B.S., M.S., 1953, 19555  
 EDWARD JOHN MCGUIRE, A.B., Blackburn College, 1958  
 TARAKAD VENKATESWAR RAJKUMAR, A.B., University of Madras, 1953; M.S., University of Kerala, 1955; M.S., De Paul University, 1959

*In Chemistry (Pharmaceutical)*

- MADHUKANT MANSUKHLAL DOSHI, B.S., University of Bombay (India), 1956, 1957; M.S., University of Michigan, 1958  
 LEE TIMOTHY GRADY, B.S., 1959  
 MILTON JOSEPH KORNET, B.S., Purdue University, 1957  
 JACOB LEHRFELD, B.S., 1956  
 ORESTE LEROY SALERNI, B.S., M.S., Duquesne University, 1957, 1959  
 FRED ALLEN TURNER, B.S., M.S., 1955, 1958  
 THOMAS LAURENCE WELSH, B.S., 1959

*In Microbiology*

- RONALD ALAN ZUSSMAN, B.S., Loyola University, 1957; M.S., 1959

*In Physiology*

- HENRY LAWRENCE MCCROREY, B.S., M.S., University of Michigan, 1949, 1950; M.S., 1959  
 ERNEST JOHN SUKOWSKI, B.S., Loyola University, 1954; M.S., 1959

**Degree of Master of Science***In Anatomy*

- LYLE EUGENE BRUMLEY, A.B., Grinnell College, 1961  
 MAC DONALD CAVE, A.B., Susquehanna University, 1961  
 ERICA BACHEM FRIEDERICI, B.S., Northwestern University, 1948  
 ROBERT PETER SCAPINO, B.S., D.D.S., 1959, 1962  
 THOMAS ALLEN WEIDMAN, B.S., Illinois Wesleyan University, 1955

*In Biological Chemistry*

- EMIL ATHINEOS, A.B., University of California, 1958  
 FILOR KALoust CHORIDIAN, B.S., American University of Beirut (Lebanon), 1957  
 ALAN SCOTT LEVIN, B.S., 1961  
 MAIJA IDA MEDNIEKS, B.S., 1958

*In Chemistry (Pharmaceutical)*

- PETER NOEL COPE, A.B., Northwestern University, 1959

*In Histology (Dental)*

- SAMUEL BERNARD GALKIN, D.D.S., Temple University, 1958 (In Absentia)  
 C. PAUL OSMANSKI, D.D.S., University of Buffalo, 1960  
 DENNIS FRANCIS WEBER, D.D.S., Marquette University, 1957

*In Microbiology*

- ROBERT LEE BALDWIN, JR., B.S., Howard University, 1957

*In Oral Pathology*

- ARUP KUMAR DAS, M.B., B.S., University of Calcutta, 1953

*In Oral Surgery*

- LAWRENCE SHERWOOD HOCHMAN, B.S., D.D.S., 1957, 1959  
 JOHN ROLAND WESTINE, D.D.S., 1955

*In Orthodontics*

- RICHARD EARL EMRICH, B.S., D.D.S., Ohio State University, 1953, 1961  
 JOHN PEIRCE HOWLAND, B.S., D.D.S., 1955, 1957  
 YASUO KAKUDA, D.D.S., Loyola University, 1956  
 JOSEPH C. KONIE, B.S., D.D.S., 1955, 1957

NICKOLAS KONJEVICH, B.S., D.D.S., 1959, 1961  
 DONALD JAMES O'DONOGHUE, B.D.S., University of Queensland (Australia), 1959  
 ELISHA ROSCOE RICHARDSON, B.S., Southern University, 1951; D.D.S., Meharry  
 Medical College, 1955  
 EARL NELSON SEAVALL, D.D.S., Creighton University, 1961  
 DAVID FRANK ZAK, D.D.S., Loyola University, 1956

*In Pharmacology*

LEON IRWIN BENDER, B.S., 1959  
 ONA EUGENIJA MICKEVICIUS ZUKAUSKAS, B.S., Mundelein University, 1959; M.D.,  
 1962

*In Pharmacy*

DANIEL ALOYSIUS NONA, B.S., 1958  
 ROBERT GRANVILLE WILSON, B.S., Massachusetts Institute of Technology, 1946,  
 1947; B.S., 1961

*In Physiology*

DONALD JACKSON BOON, B.S., Purdue University, 1959

*In Surgery*

RICHARD GEORGE CALDWELL, A.B., M.D., University of Vermont and State Agri-  
 cultural College, 1955, 1960  
 JEAN-CLAUDE GAZET, M.D., B.S., Guys Hospital (England), 1951  
 BRIAN MCKIBBIN, M.B., Ch.B., University of Leeds (England), 1955  
 PARVIZ PARSIA, A.B., Texas Technological College, 1954; M.D., Baylor University,  
 1960  
 ROBERT PAUL ROSSWICK, M.B., B.S., University of London (England), 1955  
 JAMES ANTHONY SANDROLINI, B.S., M.D., 1955, 1957

**COLLEGE OF DENTISTRY**

**Degree of Bachelor of Science in Dentistry**

*Conferred June 8, 1962*

ALLEN WENDELL ANDERSON	RICHARD DUKE JONES
GUNA MARA ANDERSON	JEROME FREDERICK KATZ
HELMUT ADAM AWENDER	ALBERT HENRY KRAUSE
KENNETH EDWARD BALA, with Honors	GEORGE BIRKLAND MAXWELL, Jr., A.B.,
JAMES ALLEN BERENS	Southern Illinois University, 1960
RICHARD JEROME BERKOWITZ, B.S.,	ROBERT KAY MICK
Drake University, 1960	EMORY RUSSELL NELSON, A.B., North-
HOWARD THEODORE BLOCK	western University, 1960
HAROLD WILLIAM BONUS	WALTER EDWARD OLSON, A.B., Illinois
MELVIN BURACH BORG	Wesleyan University, 1955
LESLIE JOSEPH BRAUN, JR.	IRWIN WILLIAM PEARLMAN
PETER EMANUEL CASTRITSIS, B.S., 1959	DARRYL JOHN PIROK
RICHARD JAY CHROMAN	ROBERT JOSEPH POKORNY
NELSON THOMAS CROWELL	GARY ALAN QUICK
MICHAEL JOSEPH DAVEY	EMIL LEROY RIGG, D.D.S., 1961
DONALD JOSEPH DECHRISTOPHER	FAREL ARTHUR ROSENBERG
MAURICE DICKMAN, B.Ed., Chicago	KENNETH PAUL ROTTMAN, B.S., Tulane
Teachers College, 1953	University, 1958
JOHN PAUL ENGLAND	SHELDON ARNOLD RUDNICK
LEWIS ERSKINE FRAZIER	ALAN JAY SHAPIRO, B.S., Roosevelt
THOMAS BLAIR FRAZIER, A.B.,	University, 1960
Monmouth College, 1960	JERRY LEE TODD, A.B., Southern Illinois
JERRY DEAN GARDNER	University, 1959
GARY ALLEN GASBARRA	THOMAS NEWMAN VAUGHN, D.D.S.,
CARL RICHARD GILMORE, A.B., Beloit	1961
College, 1960	DONALD PHILIP WEISSMAN
LEON FLOYD HARRES	SAMUEL STUART WEXLER
JAMES CHARLES HICKEY, B.S., Capital	BRUCE LEE WOLFF
University, 1957; D.D.S., 1961	RAMON MATHEW ZOLLER, Jr., B.S.,
CHARLES ERIC JOHNSON	1959; with Honors
WILLIAM NILS JOHNSON	



*Conferred September 8, 1962*

GERALD MAURICE REED

**Degree of Doctor of Dental Surgery***Conferred June 8, 1962*

EDWIN THOMAS JACH, B.S., 1954,  
1960; M.S., 1958  
JEROME FREDERICK KATZ  
LAWRENCE MARK LEVINE, A.B., 1958

JAY LOYD LUHTALA  
JOHN ALBERT SPICKERMAN, B.S.,  
Lawrence College, 1958  
FREDERICK JOHN WITTBER

*Conferred June 7, 1963*

GARY DEAN ANDERSON  
ARNO WILHELM BARTZ  
MAURICE MAN KWONG BAU  
ELIOT BECKER, B.S., 1961  
RONALD DARRELL BERGLUND  
LESLIE JOSEPH BRAUN, Jr., B.S., 1962  
JOEL LEON BURMAN, B.S., 1959  
PETER EMANUEL CASTRITSIS, B.S., 1959,  
1962  
HARRY OLIVER CHANNON, A.B., Knox  
College, 1958; B.S., 1961  
HERBERT HUGH CHAPMAN, B.S., 1961  
GEORGE PHILLIP CHOISSER  
MYRON JULES COHEN, B.S., 1959, 1961  
WILLIAM JAMES COHEN, B.S., 1961  
DEAN CLARENCE COOPER, B.S., 1959,  
1961  
LEE IRWIN COPELAND, B.S., 1961  
JOHN PAUL ENGLAND, B.S., 1962  
ROBERT DAVID ESSAK  
DONALD LOUIS FISHER, A.B., North  
Central College, 1956  
WAYNE JAMES FITZPATRICK, A.B.,  
Millikin University, 1960; B.S.,  
1961  
JOSEPH DUANE FRANCIS, B.S., 1961  
MELVIN MICHAEL GLICK, B.S., Roose-  
velt University, 1959; B.S., 1961  
RONALD LEE GOLDSTEIN, B.S., 1959  
LEON GEORGE GOMBIS  
JOHN EDWARD GRADY, B.S., Elmhurst  
College, 1953; B.S., 1961  
CHARLES SIDNEY GREENE, B.S., Univer-  
sity of Chicago, 1958; B.S., 1961  
JOHN CLAYTON HARBECK, B.S., 1961  
WILLIAM LEROY HYLANDER, B.S., 1961  
WAYNE EDWARD KMIEC, B.S., 1961  
JOHN EDWARD KNOX, with Honors  
DOUGLAS DALE KOCH  
MICHAEL HARRY KONTOS, A.B., North  
Central College, 1959; B.S., 1961  
STEVEN YOSHIKAZU KUMAMOTO  
LLOYD ANTHONY KWOK  
MICHAEL LA PORTA, B.S., 1961  
ROBERT ALAN LIPSCHULTZ, B.S., 1961  
HARRY ALOYSIUS LOUIE, B.S., 1961  
JACK ARNOLD MARKS, B.S., 1959, 1961  
DANIEL JOSEPH MARTISIUS  
ARTHUR GENE MAZZIER, B.S., 1961

LAWRENCE LOUIS MELAIK  
EDWARD LAWRENCE MICHALEC, B.S.,  
1961  
ROBERT PATRICK MOFFETT, B.S., 1961  
ARTHUR MOW, A.B., College of the  
Pacific, 1959  
DAVID JAY MYERS, A.B., 1959  
HOWARD HAROLD POLK, B.S., 1961  
RONALD JAY POPPER, A.B., 1959  
DONALD JOSEPH PROVENZALE, B.S.,  
Loyola University, 1959  
GEORGE RICHARD RAMSEY  
MURRY WILLIAM RANDELL, B.S., 1961  
GERALD MAURICE REED, B.S., 1962  
ROBERT CHARLES REUSS, B.S., 1961  
JOHN LEROY REYHER, B.S., 1961  
LARRY LEE RICHARDS, B.S., 1961  
EDWARD FRANK SARSHA, B.S., 1961  
GENE JAMES SBALCHIERO, B.S., Mon-  
mouth College, 1959  
RICHARD FRANK SCHMITZ, B.S., 1955,  
1961  
ROY ALAN SHELOW, B.S., 1961; with  
Honors  
EUGENE BROWNLOW SHORT  
MARVIN JOSEPH SOMMERFELD, B.S.,  
1961  
ALAN MARVIN STEVENS, B.S., Roose-  
velt University, 1957  
KENNETH WILLIAM STIEGEL  
PAUL HARVEY STINES, B.S., 1961  
JERRY LEROY STONEKING, B.S., 1961;  
with Honors  
EDWARD MORTON SWARTZ  
JOHN TAKESHI TAKEKOSHI, A.B.,  
LaSierra College, 1958; B.S., 1961  
RICHARD CASEY TALBOT, B.S., Purdue  
University, 1955; B.S., 1961  
GEORGE CASIMIR THOMAS, Jr., B.S.,  
1961  
DALE JOSEPH VERCELLOTTI, A.B., North  
Central College, 1958; B.S., 1961;  
with Honors  
THOMAS DONALD WESLEY, B.S.,  
De Paul University, 1955  
KENNETH LEE WINTER, B.S., 1961  
BRUCE LEE WOLFF, B.S., 1962  
RAMON MATHEW ZOLLER, Jr., B.S.,  
1959, 1962; with Honors

## COLLEGE OF MEDICINE

## Degree of Bachelor of Science in Occupational Therapy

*Conferred June 7, 1963*

LINDA KAREN KAHN  
 EMILY DOBSON KRUECK, with Honors  
 SUSAN PHYLLIS SHACKTER LAZAR  
 SUSAN CAMILLA LUSTFIELD  
 MEREDITH MARIE MAGENHEIMER

RAYNA JEAN MICHAEL  
 SUSAN HART PACKARD  
 PATRICIA LORAIN SADLON  
 LOUISE EVELYN TOPPE, with Honors  
 GLADYS JOYCE ZIRBEL

## Degree of Doctor of Medicine

*Conferred September 8, 1962*

BERNARD DAVID BROOKS  
 RONALD JOSEPH CISKOSKI, B.S.,  
 St. Mary's College, 1958

HUGH EDWARD CUMMINS, B.S., 1958  
 WARREN DUANE DODD, A.B., Em-  
 manuel Missionary College, 1957

*Conferred June 7, 1963*

NEIL ROGER AARONSON, B.S., 1959  
 NEIL STUART AGRUSS  
 JOSE ARUGUETE, A.B., North Central  
 College, 1959; with Honors  
 NORMAN LEONARD AVES, B.S., Northern  
 Illinois University, 1959  
 EDWARD HARRIS AXELROD, B.S., Roose-  
 velt University, 1959  
 VALERIE ROSE BANDELIN, B.S., 1953  
 ROBERT ALLAN BEHMER, B.S., Elmhurst  
 College, 1959  
 CHARLES EDWIN BELL, A.B., Washing-  
 ton University, 1959  
 KLAUS ERICH BIALLOWONS  
 PAUL JOSEPH BIEDENHARN, A.B.,  
 Washington University, 1959  
 ROBERT ALLAN BIELINSKI  
 IRWIN LIONEL BLISS  
 DONALD JACKSON BOON, B.S., Purdue  
 University, 1959  
 PETERIS BORMANIS, A.B., Northwestern  
 University, 1959  
 DEE CHARLES BOSWELL, B.S., 1959  
 JOSEPH DAVID BOYD  
 THOMAS HENRY BRENDEN  
 MARVIN BERNARD BROOKS  
 LAWRENCE BRYSKIN  
 EARL SCOTT BUCHELE, A.B., McKendree  
 College, 1954  
 DALE FORREST BURTON  
 CARLOS BOYD GODFREY CAMPBELL, B.S.,  
 M.S., 1955, 1957  
 WILLIAM DELOS CARLOCK, A.B., 1960  
 ALLEN BRUCE CARLSON  
 ROBERT ALLAN CARRARA  
 RICHARD GLENN CHENOWETH, B.S., 1957  
 THOMAS WILLIAM CLARK  
 SEYMOUR IRA COHEN, B.S., 1958  
 ARNOLD MARVIN COHN, A.B., North-  
 western University, 1959  
 FRED VAIL COLBY, B.S., 1957  
 PHILLIP ALEXANDER COLLINS, A.B.,  
 Xavier University, 1959  
 BERNARD LEONARD CONIGLIO, JR., A.B.,  
 Virginia Military Institute, 1959  
 DAVID HENRY COPE

JOHN MEDFORD CORBOY  
 NED NATHANIEL COWAN  
 RICHARD HENRY CULHANE, B.S., St.  
 Louis University, 1958  
 JAMES EUGENE DAMON, A.B., Rockford  
 College, 1959  
 JAY LEONARD DASKAL, B.S., 1959  
 DENNIS PAUL DAUT  
 FRANCIS O'BRYAN DAVIS  
 NORMAN EUGENE DEARNBARGER, B.S.,  
 Eastern Illinois University, 1959  
 TERRENCE CONSTANT DEMOS, B.S.,  
 Roosevelt University, 1959  
 DIAMOND DONALD DETTORE  
 JOHN GILBERT DIETRICH, B.S., 1959  
 JOHN MICHAEL DLUHY, B.S., 1959  
 HENRY DANIEL DRAYER  
 BURDETT SHERIDAN DUNBAR  
 LAWRENCE FREDERICK DUNKELBERGER  
 JOSEPH ARTHUR DUPONT  
 CHARLES THEODORE EGLI, B.S.,  
 Wheaton College, 1959  
 PETER CASE EVANSON  
 ROBERT EVERAKES  
 RONALD ALLAN FEINGOLD  
 BRUCE DUANE FICK, B.S., 1959  
 PETER JOHN FISCHINGER  
 BERNARD PATRICK FLAHERTY, B.S.,  
 Roosevelt University, 1959  
 DONALD JOSEPH FLEISCHLI, with  
 Honors  
 ROBERT PAUL FORESMAN  
 PETER LEIGH FORSBERG, B.S., Wheaton  
 College, 1959  
 JOHN ROSCOE FOSTER, B.S., Northern  
 Illinois University, 1959  
 DAVID ALEXANDER GALLO  
 DAVID HAROLD GARFIELD  
 ARTHUR EDWARD GATENBY  
 JAMES THEODORE GLADISH, B.S., 1959  
 MITCHELL SHERWIN GOLBUS, B.S., Illi-  
 nois Institute of Technology, 1960  
 MARSHALL DAVID GOLDIN  
 ARNOLD BURTON GRAUER  
 DONALD LEE GRIFFIN  
 LARRY CHARLES GUNN

- DANIEL GUTIERREZ  
 ROBERT ALAN GUZIEC  
 JEROME AVRUM HAMBURGER  
 DONALD ELMER HARDBECK, B.S.,  
 Shurtleff College, 1957  
 CLARENCE RICHARD HART, A.B., Loras  
 College, 1959  
 CHARLES WILLIAM HASE  
 ALBERT DIPONG HAVERKAMP, A.B.,  
 University of Notre Dame, 1959  
 GILBERT MORRIS HEFTER, A.B., Univer-  
 sity of California, 1959  
 ROGER CLINE HENDRICKS, B.S., 1959  
 CHARLES GOLDEN HENDRICKSON, B.S.,  
 1959  
 LEO MERRILL HENIKOFF, Jr., with High  
 Honors  
 DANIEL JOSEPH HERMAN  
 PHILIP EDWARD HILL, B.S., Iowa State  
 College, 1959  
 TRAVIS LEE HINDMAN  
 PAUL THOMAS HOHE, A.B., Knox  
 College, 1959  
 RALPH DAVID HOLMSTEN, B.S.,  
 Wheaton College, 1958  
 RICHARD LEE HUGHES, A.B., Southern  
 Illinois University, 1959  
 PAUL VIVIAN HUMBERT  
 JON IRWIN ISENBERG  
 DONALD ROBERT JASINSKI  
 EDWARD STEPHEN JENNINGS, Jr., B.S.,  
 Loyola University, 1959  
 ROGER EUGENE JINKINS  
 JAMES THEODORE JOHNSON  
 DALE KEITH JONES, A.B., Southern  
 Illinois University, 1959  
 JERROLD MARVIN KAPLAN  
 LAWRENCE KAYTON  
 KENNETH ROLAND KEER  
 RONALD LEON KELSEY, B.S., Northern  
 Illinois University, 1958; with  
 Honors  
 ROBERT MCCURDY KENNEDY, A.B.,  
 Oberlin College, 1959  
 DONALD LEE KERSTE, B.S., North-  
 western University, 1959  
 MARVIN HERMAN KLAPMAN, A.B., 1959  
 JOY WARNER KNIPMEYER, A.B., Asbury  
 College, 1956; M.S., 1958  
 DONALD JOHN KOZIL  
 ARTHUR ELLIS KROFT, B.S., 1959  
 PHILIP ANTHONY LASPINA, B.S., 1958  
 JOSEPH HENRY LEE, B.S., University of  
 Notre Dame, 1958  
 EDWARD NEIL LEVIN  
 RALPH JOSEPH LEVIN, with Honors  
 SHERWIN ZELMAN LEVIN  
 RICHARD BARRY LEVINE  
 ARTHUR GERALD LIPMAN, B.S., 1959  
 MICHAEL PAUL LIPSICH  
 PHILLIP MARVIN LOEB  
 LEON GERSON LOME  
 JAMES RICHARD LUCHS  
 MARSHALL DONALD LUSTGARTEN  
 MICHAEL MARCHI  
 JUDITH LEE MARSDEN, B.S., University  
 of Wisconsin, 1959  
 CHARLES ELBERT MASON, A.B., Lake  
 Forest College, 1959  
 ROGER ALAN MAUPIN, B.S., 1959  
 JOSEPH HOWARD MAURITZEN  
 BART RICHARD MAYRON  
 JAMES ADELBERT McDERMOTT, B.S.,  
 Wheaton College, 1958  
 MICHAEL ALLAN MESSENGER, A.B.,  
 Ripon College, 1959  
 STUART RONALD MEYERS  
 ALAN PAUL MINTZ, B.S., University of  
 Chicago, 1959  
 DAVID ARTHUR MOROWITZ  
 ALAN HOWARD MORRIS  
 JAMES JOSEPH NEEDLES, A.B., Wash-  
 ington University, 1958  
 NORMAN JOSEPH NEMOY  
 KERRY JON NEWMAN  
 NICHOLAS PETER NINOS, A.B., B.S.,  
 Bradley University, 1958, 1959  
 STEWART IRA ODELL  
 LAWRENCE GEHL ODER  
 ROBERT CHARLES PAPP  
 RAY JEAN PENSINGER  
 JOSEPH THOMAS PINCKARD III, A.B.,  
 University of Kansas, 1959  
 THOMAS HUGH PINKSTAFF, A.B.,  
 Greenville College, 1959  
 JERROLD POLTEROCK, B.S., 1959  
 HENRY HERSCHBIEL REEVES  
 JAMES CALVIN REID  
 LAWRENCE KEITH RICHARDS  
 MACK DAVID RICHEY  
 JERRY LEE ROBERTS  
 GEHRIG MAC ROBINSON  
 DAVID LEIFF ROSEMAN  
 JOEL SANDOR ROSEN, B.S., 1959  
 STEPHEN BERNARD RUSKIN  
 EDWARD JOSEPH SAAD  
 LAWRENCE MERLE SAMPSON  
 MARTIN WESTBROOK SCHAEFER  
 JOHN DAVID SCHMALE, B.S., Wheaton  
 College, 1959; with Honors  
 RONALD MICHAEL SCHMIDT  
 MERLE JOSEPH SCHRODT, A.B., 1959  
 CHARLES ANDREW SETTERSTROM, B.S.,  
 Wheaton College, 1959  
 SHARON RUTH FRANKEL SIEGEL, B.S.,  
 1959  
 ROBERT FREDERICK SIEGERT, B.S., 1959  
 BURTON ERROL SILVER, B.S., Roosevelt  
 University, 1959  
 MARVIN LEE SKOGLUND, B.S., Western  
 Illinois University, 1959  
 CHARLES SLAVIK  
 ROBERT LEE SMITH  
 DAVID SHELDON SOLOMON  
 SAMUEL SOLOMON, B.S., 1959  
 JERRY GORTON SPENNEY  
 RICHARD LYLE SPERLING  
 J. BRUCE STADWISER, A.B., 1959

FRED RICHARD STARK, A.B., 1959  
 ROBERT ALAN STONE  
 ALAN JOHN STUTZ, A.B., Beloit  
 College, 1959  
 PHILIP ARTHUR SWANSON, B.S.,  
 Northern Illinois University, 1959  
 JOHN FREDERICK TAUBER, B.S., 1958;  
 M.S., Illinois Institute of Tech-  
 nology, 1959  
 CHARLES DOUGLAS TAYLOR  
 DANIEL EINAR THOR  
 JERALD TORNHEIM  
 GARY LAWRENCE TURPIN, A.B., Illinois  
 College, 1959  
 PAUL CORNELIUS VANDERBILT  
 CHARLES MINDAUGAS VYGANTAS

BARRY ROBERT WEISS  
 ROBERT ALLEN WEISSMAN  
 JOHN DANA WELCH  
 MARK ALAN WELLEK  
 CHARLES FREDRICK WHITE  
 HARRY WHITELEY, A.B., University of  
 Chicago, 1956  
 LORIN DIXON WHITTAKER, Jr., B.S.,  
 1959  
 RAYMOND GOLDEN WILKERSON, Jr.,  
 A.B., University of Chicago, 1955  
 ROGER ARPAD WILLIAMS  
 BURTON FRANK WILLIS  
 ERIC BIRGER WILSON  
 JOSEPH ALPHONSE ZALAR, Jr.

### COLLEGE OF NURSING

#### Degree of Bachelor of Science in Nursing

*Conferred December 14, 1962*

JANICE EICHORN MILLER

*Conferred March 16, 1963*

ROBERTA BEREK  
 MARY LOU BYERS

ELAINE JEAN DLOUHY  
 JANET IRENE PHON, with Honors

*Conferred June 7, 1963*

BARBARA THOMAS ALEXANDER  
 DOROTHY BELL  
 JANET LUAN BOULTINGHOUSE  
 SANDRA ROSE CIOTOLA  
 PARSLA AGITA DRULLIS  
 LOU ANN DUNHAM  
 JANET RUTH ERICKSEN  
 JOSEPHINE ANN GUINTA  
 KAURRYNE LANA KAYMAN  
 EUSTACHIA DIANE KNOEDLER  
 JANET ORI LOBATZ  
 JUNE EDITH MAGUIRE

ANN ELIZABETH MCFARLAND  
 FRANCES JANET MCGUIRE  
 ARLENE JUDY MILLER  
 BETTE ROSE OZMON  
 GRACE TAYLOR PUTNAM, with Honors  
 CAROLE JEAN ROBERTSON  
 LYNN ANN ROBERTSON  
 BETTY JUNE ROTHACKER  
 MARILU SCOGGIN  
 MARY MILDRED SMITH  
 CAROL AGNES VOGEL  
 SALLY ANN WEST

### COLLEGE OF PHARMACY

#### The Degree of Bachelor of Science in Pharmacy

*Conferred August 11, 1962*

GENE PAUL BERNARDONI  
 ROBERT DEAN CARPENTER  
 DAVID JULIUS GERTZ

ALLEN MARTIN IMMERGLUCK  
 EGON KAHN

*Conferred March 16, 1963*

ROBERT JOHN ANDERSON, Jr., A.B., Knox College, 1954

*Conferred June 7, 1963*

JOHN MARK ABRAMIC  
 STANLEY DONALD ADAMCZYK  
 GILBERT WILLIAM ADELSTEIN  
 IRWIN AXELROD  
 Nanci SUE BEILMAN  
 GERALD EDWARD BEJNAROWICZ  
 GREGORY BOGAN BISHOP  
 DONALD LYNN BLANK  
 BARTHOLOMEW MARTIN BLINSTRUP,  
 A.B., Monmouth College, 1959  
 JOSEPH LAWRENCE BORSKI

JAMES ALBERT BOUCHARD  
 RONALD FRANK BRACH  
 WESLEY NEIL BREEZE  
 RALPH EDWARD BROWN  
 ROBERT LEONARD BULINSKI  
 JOHN AUGUST CAROLAN  
 MARVIN EARL CAUSEY  
 ALLEN RONALD COHN  
 DENNIS EARL COLE  
 JAMES EDWARD COLTMAN  
 JAMES ALBERT CONROY, with Honors

JOHN JAMES CSIHA  
 NOEL PATRICK CUSICK  
 GERALD GEORGE CZAJA  
 PAUL DEFREES  
 CHARLES JACK DEMORY  
 THOMAS EDWARD DICKERHOFE  
 ANNA DOLLY DIDZBALIS  
 GEORGE SCOTT DOUGLAS  
 JUDITH JOHNSON DOUGLAS  
 ROBERT ALLEN DROZT  
 JUDITH HELEN DUCAT  
 ROBERT DEE DUNWORTH  
 DONALD GEORGE EDWARDS, B.S., Illinois  
 Institute of Technology, 1953; with  
 Honors  
 RICHARD STEPHEN EGAN  
 BEVERLY ANN ELLIOTT  
 ROBERT LESLIE FEIN  
 MELVYN HOWARD FOGEL  
 PHILIP FOGEL  
 STUART DAVID GANDELL  
 EDWARD GAR GING GIN  
 TOBY ANN GLICKEN, with High Honors  
 LEONARD STANLEY GRABOWSKI, with  
 Honors  
 BARBARA ALICE GRAMS  
 MURRAY MARSHALL HALE  
 BRADLEY TUCKER HALES, with High  
 Honors  
 EDWARD GEORGE HALSTEAD  
 PERRY VICTOR HALUSHKA, with Honors  
 GEORGE DEWEY HEINZ, JR.  
 HENRY HOWARD HENSCHEN, JR.  
 HERBERT ELMER HIBNICK, A.B., Ph.D.,  
 University of Chicago, 1950, 1956;  
 B.S., M.S., Purdue University,  
 1951, 1953  
 NORMAN LEROY HINES  
 ADRIAN KEITH IRVING  
 CLIFFORD ALAN ISACKSON  
 HAROLD ISENBERG, B.S., 1959  
 KENNETH PAUL JESUNAS  
 PAUL MELVIN JURISCH  
 ALLEN ARNOLD KAGAN  
 LARRY ALAN KAHRL  
 ROBERT ELMER KAMM  
 ALLAN IRA KAPLAN  
 STUART DAVID KARLIN  
 SHELBY EARL KAVIN  
 ALAN EDWARD KELLEY  
 NANCY JEANNE KELLY  
 DONALD JAMES KNOX  
 WALTER JOHN KNUEFFER II  
 RICHARD ALVIN KNOTSON  
 WILLIAM JAMES KORZEN  
 RICHARD HAMRE KUHLMAN  
 MICHAEL HENRY LARSON  
 RICHARD JOSEPH LESAK  
 JOSEPH PETER LEVATO  
 MITCHELL GLENN LINK

DELPHINE MONICA LUPINSKI  
 EDWARD MEL MARKEL  
 JOYCE BEVERLY MARTINEK  
 THEODORE HARRY MARZORATI, with  
 Honors  
 JEANETTE ANGELA MATESI  
 THOMAS ANTHONY MCGOVERN  
 BERNARD MARTIN MENSIK, JR.  
 GARY ALDEN MERCER  
 FREDERICK JOHN MERCHANT  
 THOMAS FRED MICHEL  
 DAVID FREDERIC MILLIKAN  
 GERALD SHELDON MOSAK  
 PAUL MOY  
 ROBERT JAMES MURPHY  
 JAMES CHARLES MURRAY  
 ROSEMARIE CECILIA NARDUCCI  
 SYLVESTER NORRIS  
 JAMES FRANCIS NOVAK  
 FRANKLIN DAVIS NUSSBAUM  
 ALLYN KAY O'BYRNE  
 JAMES EDWARD OSBORNE  
 HENRY ERIC PAETSCH  
 LARISSA ALEXANDRA POHORECKI  
 WALTER JOSEPH POLLACK  
 MARILYN MONSON PRINCEPE  
 PETER CHARLES PULEO  
 WENDLAND QUAN  
 WILLIAM JAMES REZABECK  
 THEODORE JONAS ROSEMAN  
 GEORGE DOMINIC ROTCHFORD  
 SISTER ALFRED MARIE RUSSELL, A.B.,  
 Bryn Mawr College, 1934; M.S.,  
 Howard University, 1936; M.S.,  
 Massachusetts Institute of Tech-  
 nology, 1947  
 IRVING SHELDON SANDACK  
 LAURENCE ROY SCHAEER  
 DAVID KIRK SHEAGREN  
 DALE EDWARD SIMEK  
 RICHARD JOHN SOKATCH, B.Mus.,  
 M.Mus., University of Michigan,  
 1945, 1948  
 ALLAN GERALD SPIES  
 RICHARD STUART SPIWAK  
 THOMAS HENRY STANCEY  
 SIGMUND STEINFINK  
 SIDNEY WILLIAM STERN  
 GAIL MARILYN STOLL  
 WILLIAM HENRY STONE, with Honors  
 ROBERT DUANE TACKITT  
 GLENN LOUIS TETREV  
 ROBERT EDWARD THURN  
 GEORGE MARTIN TRAMPE  
 ROY LYNN WEBB  
 RICHARD CLEM WERNER  
 EDWARD ELLIS WILLIAMS  
 KATHLEEN MARY WOODS  
 GEORGE EDWARD WRIGHT

#### DELEGATION OF SIGNATURES

At its annual meeting on March 20, 1963, the Board of Trustees of the University of Illinois adopted a resolution authorizing its President

and Secretary to delegate the signing of their names to vouchers to be presented to the Auditor of Public Accounts and to warrants drawn on the Treasurer of the University under the conditions specified in the resolution. The Secretary requests that this resolution be amended to include authorization of Virginia J. Hendrix and Catherine C. Cacioppo to sign his name as Secretary of the Board of Trustees to vouchers against the Auditor of Public Accounts and to warrants on the University Treasurer, covering vouchers approved in accordance with regulations of the Board.

On motion of Mr. Swain, the resolution of March 20, 1963, was amended as requested.

**LETTER FROM THE PRESIDENT OF THE UNIVERSITY OF ILLINOIS  
CHAPTER OF THE AMERICAN ASSOCIATION  
OF UNIVERSITY PROFESSORS**

President Clement called attention to a letter dated June 13, 1963, received by all members of the Board of Trustees from the President of the University of Illinois Chapter of the American Association of University Professors concerning the action of censure taken at the annual meeting of the Association. The following is an extract of the paragraphs in the letter pertinent to this matter:

"Those of us from this campus who were delegates to the Annual Meeting of the A.A.U.P. in San Francisco and those of us who were recently elected officers of the Urbana Chapter are deeply concerned about the effects of the censure and earnestly hope that events during the coming months will warrant removal of the censure at the next Annual Meeting in St. Louis. We believe that the great majority of the faculty share these views.

"In behalf of my colleagues, let me express the hope that the President and the Board of Trustees will be able to achieve an accommodation and understanding with the national officials of the A.A.U.P. so that Committee 'A' on Academic Freedom and Tenure will recommend removal of censure at the next Annual Meeting.

"The Urbana Chapter of A.A.U.P. has had a cordial and constructive working relationship with the University Administration for some years. We hope and expect that this relationship will continue unimpaired.

"Yours sincerely,  
RICHARD C. WILCOCK  
President"

President Clement has replied to this letter on behalf of the Trustees, and a copy has been filed with the Secretary.

**SECRETARY'S REPORTS**

The Secretary presented for record the following lists: appointments to the faculty made by the President; appointments of fellows; resignations, declinations, and terminations; leaves of absence.

**APPOINTMENTS MADE BY THE PRESIDENT**

(The date in parentheses is the date on which the appointment was made by the President of the University. C = College; S = Station; E = Extension.)

ADELMAN, GARY S., Assistant Professor of English, Summer Session of 1963, June 17-August 10, 1963, \$1,667 for the period (6-4-63).

ARAMAKI, SEIYA, Research Associate in Physics (C), one year from September 1, 1963, \$7,500 (5-31-63).

ARNETT, EDWARD M., Visiting Lecturer in the Department of Chemistry and Chemical Engineering, Summer Session of 1963, June 17-August 10, 1963, \$2,700 for the period (5-28-63).

- ASTON, KATHARINE O., Assistant Professor of English, Summer Session of 1963,  $\frac{1}{2}$  time, June 17-August 10, 1963, \$723 for the period (5-29-63).
- BAIRD, JACK R., Research Associate in Electrical Engineering (S), three months from June 1, 1963, \$833.33 a month, supersedes (5-28-63).
- BAKER, C. M. ANN, Research Associate in Physiology and Biophysics, three months from June 1, 1963, \$650 a month, supersedes (5-31-63).
- BAKER, RONALD L., Instructor in Business English, academic year beginning September 1, 1963, \$5,000 (5-31-63).
- BALDWIN, GARY N., Assistant in Mathematics, Summer Session of 1963, June 17-August 10, 1963, \$889 for the period (6-4-63).
- BARTON, FURMAN W., Assistant Professor of Civil Engineering, Summer Session of 1963,  $\frac{2}{3}$  time, June 17-August 10, 1963, \$676 for the period (6-4-63).
- BATES, CYRIL P., Instructor in Electrical Engineering (C),  $\frac{1}{4}$  time, academic year beginning September 1, 1963, \$1,350 (5-21-63).
- BAULING, FREDERICK G., Assistant Professor of Theoretical and Applied Mechanics, Summer Session of 1963,  $\frac{2}{3}$  time, June 17-August 10, 1963, \$1,200 for the period (5-6-63).
- BEEBY, JOHN L., Research Associate in Physics (C), one year from September 1, 1963, \$8,000 (5-6-63).
- BENNETT, DELMOND N., Assistant Professor of Speech and Theatre,  $\frac{1}{2}$  time, and Coordinator of the Summer Residential Program,  $\frac{1}{2}$  time, Summer Session of 1963, June 17-August 10, 1963, \$1,556 for the period, supersedes previous Summer Session appointment (5-28-63).
- BENZEL, JAMES F., Research Associate in Ceramic Engineering (S), three months from June 1, 1963, \$550 a month, supersedes (5-31-63).
- BIANCHINI, ALBERT C., Associate Professor of Theoretical and Applied Mechanics, Summer Session of 1963,  $\frac{1}{2}$  time, June 17-August 10, 1963, \$934 for the period (5-6-63).
- BILOKUR, BORYS, Assistant in Russian, Summer Session of 1963, June 17-August 10, 1963, \$889 for the period, supersedes previous Summer Session appointment (5-28-63).
- BLACHFORD, CAMERON W., Instructor in Electrical Engineering, Summer Session of 1963, June 17-August 10, 1963, \$1,445 for the period (5-23-63).
- BOGDANSKA, HALINA, Research Associate in Animal Science (S), September 16, 1963-August 31, 1964, \$6,500 a year (5-28-63).
- BONBREST, HELEN C., Research Assistant in Medicine (Medicine), one year from July 1, 1963, \$5,150 (5-6-63).
- BRADLEY, WAYNE E., Research Assistant in the State Water Survey, one year from July 1, 1963, \$7,200 (5-17-63).
- BRANDIS, ROYALL, Professor of Economics, Summer Session of 1963,  $\frac{1}{2}$  time, June 17-August 10, 1963, \$1,262 for the period, supersedes previous Summer Session appointment (5-23-63).
- BRISCOE, JOHN W., Professor of Civil Engineering, Summer Session of 1963,  $\frac{1}{4}$  time, July 15-August 10, 1963, \$374 for the period (5-23-63).
- BROWSKI, LORETTA A., Assistant in Physical Education for Women (Chicago Undergraduate Division), nine months from September 16, 1963, \$5,000 (5-31-63).
- BRUGGE, JOHN F., Research Assistant in Physiology and Biophysics, three months from June 1, 1963, \$408.32 a month, supersedes (5-31-63).
- CAMPBELL, A. NORMAN, Visiting Lecturer in the Department of Chemistry and Chemical Engineering, Summer Session of 1963, June 17-August 10, 1963, \$2,067 for the period (5-16-63).
- CAPPS, JOAN P., Instructor in Mathematics,  $\frac{1}{4}$  time, and in the Computer Program,  $\frac{3}{4}$  time (Vice-President's Office, Chicago Undergraduate Division), academic year beginning September 1, 1963, \$6,400 (5-31-63).
- CARTER, HARRY H., JR., Instructor in Music,  $\frac{1}{2}$  time, academic year beginning September 1, 1963, \$3,650 (5-13-63).
- CHEN, YUH CHING, Assistant in Mathematics, Summer Session of 1963, June 17-August 10, 1963, \$889 for the period (6-4-63).
- CHINNOV, IGOR V., Visiting Lecturer in Russian, Summer Session of 1963, June 17-August 10, 1963, \$2,000 for the period (5-29-63).
- CHOW, DAVID KUO-KIEN, Research Assistant in the Digital Computer Laboratory, two months from June 16, 1963, \$466.66 a month (5-28-63).

- CHRISTIAN, JOHN W., Visiting Professor of Metallurgy (C), one month from June 16, 1963, \$1,800 (5-31-63).
- CLIFFORD, JOHN J., Research Associate in Education (University High School), one year from September 1, 1963, \$11,000 (5-31-63).
- COOK, ROBERT L., Counselor in Speech and Theatre—Summer Residential Program, Summer Session of 1963, 17/100 time, June 17-August 10, 1963, \$150 for the period (5-22-63).
- COSTELLO, GEORGE A., Assistant Professor of Theoretical and Applied Mechanics, Summer Session of 1963,  $\frac{1}{2}$  time, June 17-August 10, 1963, \$945 for the period (5-6-63).
- COURTNEY, HARLEY, Instructor in Accountancy,  $\frac{1}{2}$  time, academic year beginning September 1, 1963, \$2,500 (5-15-63).
- COWIN, JOHN W., Instructor in Physical Sciences (Chicago Undergraduate Division), Summer Session of 1963,  $\frac{5}{8}$  time, June 21-August 16, 1963, \$1,334 for the period (5-14-63).
- CRANK, FLOYD L., Associate Professor in the Bureau of Educational Research, July 14-August 10, 1963, \$967, additional (5-6-63).
- CROW, MERWIN R., Instructor in Hygiene and Psychiatric Social Worker in the Health Service, one year from September 1, 1963, \$9,000 (5-13-63).
- CROW, W. D. L., Research Associate in Chemistry, eleven months from October 1, 1963, \$6,600 a year (5-28-63).
- DALTON, YVONNE Y., Assistant in English, Summer Session of 1963, June 17-August 10, 1963, \$889 for the period, supersedes previous Summer Session appointment (5-16-63).
- DARWISH, DAVID, Visiting Lecturer in the Department of Chemistry and Chemical Engineering, Summer Session of 1963, June 17-August 10, 1963, \$2,250 for the period (5-28-63).
- DEMARI, EDWIN J., Associate Professor of Management, Summer Session of 1963, June 17-August 10, 1963, \$2,334 for the period (6-4-63).
- DENLINGER, CHARLES G., Assistant in Mathematics, Summer Session of 1963, June 17-August 10, 1963, \$889 for the period (6-4-63).
- DENNIS, J. RICHARD, Research Associate in Education (University High School), one year from September 1, 1963, \$8,400 (5-31-63).
- DENNIS, MRS. NANCY J., Assistant in Physical Education for Women (Chicago Undergraduate Division), nine months from September 16, 1963, \$5,300 (5-31-63).
- DETWILER, BETTY C., Instructor in Mathematics, Summer Session of 1963, June 17-August 10, 1963, \$1,445 for the period (6-4-63).
- DILLEY, CLYDE A., Research Associate in Education (University High School), one year from September 1, 1963, \$9,900 (5-31-63).
- DJORUP, FRANS M., JR., Assistant Professor of Mathematics, two months from July 1, 1963, \$708.33 a month, supersedes (5-13-63).
- DRAGO, RUSSELL S., Associate Professor of Inorganic Chemistry, Summer Session of 1963, June 17-August 10, 1963, \$2,023 for the period (5-16-63).
- ECKLUND, ROBERT E., Instructor in Medicine (Medicine), one year from July 1, 1963, \$7,200 (5-22-63).
- ENKE, ERNEST L., Instructor in Accountancy,  $\frac{1}{2}$  time, academic year beginning September 1, 1963, \$2,500 (5-22-63).
- ERNST, EDWARD W., Associate Professor of Electrical Engineering, Summer Session of 1963,  $\frac{1}{2}$  time, June 17-August 10, 1963, \$1,312 for the period, supersedes previous Summer Session appointment (5-23-63).
- ERNST, RICHARD L., Instructor in Economics, academic year beginning September 1, 1963, \$8,300 (5-22-63).
- EXLINE, GERALD L., Instructor in Architecture, academic year beginning September 1, 1963, \$7,500 (5-6-63).
- FELLMANN, JEROME D., Associate Professor of Geography, Summer Session of 1963, June 17-August 10, 1963, \$2,178 for the period, supersedes previous Summer Session appointment (5-16-63).
- FERGUSON, WILLIAM A., Associate Professor of Mathematics, Summer Session of 1963, June 17-August 10, 1963, \$2,112 for the period, supersedes previous Summer Session appointment (6-4-63).
- FERRELL, RAY E., JR., Assistant in Geology, Summer Session of 1963, June 17-August 10, 1963, \$889 for the period (5-16-63).



- FERRIER, ELMER E., Research Associate in the Institute for Research on Exceptional Children, June 17-August 10, 1963, \$1,000 (5-22-63).
- FERRIS, DONALD R., Visiting Lecturer in Education, Summer Session of 1963, June 17-August 10, 1963, \$2,000 for the period (5-23-63).
- FLENNER, ROSS H., Senior Research Programmer in the Digital Computer Laboratory, three months from June 1, 1963, \$875 a month, supersedes (5-22-63).
- FLUMMERFELT, JOSEPH R., Instructor in Music,  $\frac{1}{2}$  time, academic year beginning September 1, 1963, \$3,650 (5-13-63).
- FOGHT, JAMES L., Research Assistant in Chemistry, April 1-June 15, 1963, \$488.89 a month, supersedes (5-6-63).
- FUJITA, TOSHIO, Research Associate in Chemistry, one year from September 1, 1963, \$6,500 (5-28-63).
- GANS, RENA, Research Assistant in the State Water Survey, one year from July 1, 1963, \$5,700 (5-17-63).
- GANTT, CLARENCE L., Assistant Professor of Medicine (Medicine), two months from July 1, 1963, \$1,333.33 a month (5-9-63).
- GERMAN, VICTOR F., Research Assistant in Chemistry, four months from May 1, 1963, \$448.33 a month, supersedes (5-16-63).
- GERSTNER, ROBERT, Assistant Professor of Civil Engineering (Chicago Undergraduate Division), June 24-August 15, 1963, \$1,867, additional (5-17-63).
- GLADNEY, FRANK Y., Instructor in Russian, academic year beginning September 1, 1963, \$7,000 (5-31-63).
- GOMOLL, ALLEN W., Assistant Professor of Pharmacology (Medicine), two months from July 1, 1963, \$944.45 a month, additional (5-23-63).
- GOURISHANKAR, VEMBU, Assistant Professor of Electrical Engineering, Summer Session of 1963, June 17-August 10, 1963, \$1,689 for the period, supersedes previous Summer Session appointment (5-23-63).
- GREENBERG, NAHMAN H., Assistant Professor of Psychiatry (Medicine), one year from July 1, 1963, \$15,500, supersedes (5-8-63).
- GRIFFEY, ANN V., Counselor in Speech and Theatre—Summer Residential Program, Summer Session of 1963, 17/100 time, June 17-August 10, 1963, \$150 for the period (5-22-63).
- GRUNER, BARBARA J., Research Assistant in the State Water Survey, one year from July 1, 1963, \$5,500 (5-17-63).
- GULDNER, RUTH C., Acquisition Assistant in the Library, one year from September 1, 1963, \$5,500 (5-16-63).
- HALE, JONATHAN, Counselor in Speech and Theatre—Summer Residential Program, Summer Session of 1963, 17/100 time, June 17-August 10, 1963, \$150 for the period (5-22-63).
- HALKO, ARLENE A., Clinical Assistant Professor of Radiology (Medicine),  $\frac{1}{2}$  time, one year from September 1, 1963, \$1,800, supersedes nonsalaried appointment (5-31-63).
- HANSELL, SVEN H., Instructor in Music, academic year beginning September 1, 1963, \$6,900 (5-22-63).
- HARMER, RICHARD S., III, Research Assistant in Ceramic Engineering (C), one year from September 1, 1963, \$5,400 (5-8-63).
- HAYWARD, HAROLD N., Professor of Electrical Engineering in the Indian Institute of Technology, Kharagpur, India, one year from May 12, 1963, \$19,621, supersedes (5-13-63).
- HEIM, GEORGE E., Research Associate in Secondary and Continuing Education, June 17-August 10, 1963, \$1,780 (5-28-63).
- HELLER, FLOYD N., Instructor in Anesthesiology, Department of Surgery (Medicine),  $\frac{3}{4}$  time, May 10-August 31, 1963, \$828.33 a month, supersedes nonsalaried appointment (5-24-63).
- HENNE, BERTRAND W., Assistant in the Institute of Aviation, two months from June 16, 1963, \$475 a month (5-16-63).
- HESSSELBERTH, CASSIUS A., Instructor in Electrical Engineering, Summer Session of 1963, June 17-August 10, 1963, \$1,156 for the period, supersedes previous Summer Session appointment (5-23-63).
- HETHERINGTON, JACK H., Research Associate in Physics (C), two months from June 16, 1963, \$800 a month (5-22-63).

- HOCHHAUSER, MARTIN, Clinical Assistant Professor of Radiology (Medicine), 1/10 time, three months from June 1, 1963, \$120.84 a month, supersedes (5-23-63).
- HOHN, FRANZ E., Associate Professor of Mathematics, Summer Session of 1963, June 17-August 10, 1963, \$2,400 for the period (6-4-63).
- HUNT, CHARLES K., Associate Professor of Chemistry, Summer Session of 1963, June 17-August 10, 1963, \$2,156 for the period (5-16-63).
- INGALLS, ROBERT L., Research Associate in Physics (C), one year from September 1, 1963, \$8,500 (5-6-63).
- IVERSEN, MRS. AUDREY N., Classics Librarian, with rank of Instructor (Library), one year from September 1, 1963, \$7,500 (5-31-63).
- JACOBSON, ALBERT S., Research Associate in Education (University High School), one year from September 1, 1963, without salary (5-31-63).
- JENNINGS, C. A., Visiting Lecturer in Speech and Theatre, 1/2 time, and in University Theatre, 1/2 time, Summer Session of 1963, June 17-August 10, 1963, \$1,750 for the period (5-6-63).
- JOINER, CHARLES A., Visiting Lecturer in Political Science, Summer Session of 1963, June 17-August 10, 1963, \$2,000 for the period (5-28-63).
- JONES, ROBERT M., Instructor in Theoretical and Applied Mechanics (C), 1/2 time, academic year beginning September 1, 1963, \$2,700 (5-13-63).
- KARLSTROM, PAUL E., Instructor in General Engineering (C), 1/4 time, academic year beginning September 1, 1963, \$1,700 (5-6-63).
- KATZ, MORRIS W., Visiting Lecturer in Mathematics, Summer Session of 1963, 1/2 time, June 17-August 10, 1963, \$1,000 for the period (6-4-63).
- KAUFMAN, MARGUERITE S., Assistant Architecture Librarian, with rank of Instructor (Library), one year from September 1, 1963, \$7,000 (5-14-63).
- KELLOGG, MRS. ISABEL M., Assistant Professor of Occupational Therapy (Medicine), 1/2 time, four months from June 1, 1963, \$354.17 a month (5-31-63).
- KILLIAN, THOMAS J., Research Associate in the Coordinated Science Laboratory (C), 1/2 time, one year from September 1, 1963, \$3,180 (5-28-63).
- KINNEY, PAUL T., Assistant Professor of Finance, two months from June 16, 1963, \$1,011.11 a month, additional (5-28-63).
- KOCH, MRS. ANITA, Assistant in Nursing, academic year beginning September 1, 1962, \$5,150, supersedes (5-17-63).
- KOESTER, PAUL W., Visiting Lecturer in Education, Summer Session of 1963, June 17-August 10, 1963, \$2,000 for the period (5-16-63).
- KULIS, JOHN C., Clinical Instructor in Medicine (Medicine), 24/100 time, four months from May 1, 1963, \$150 a month, supersedes nonsalaried appointment (5-31-63).
- LANDRY, JOSEPH P. F., Research Assistant in Physiology and Biophysics, three months from May 16, 1963, \$1,333.32 (5-6-63).
- LANG, MELVIN, Visiting Lecturer in Education, Summer Session of 1963, June 17-August 10, 1963, \$2,000 for the period (5-6-63).
- LEBEL, NORMAN A., Visiting Lecturer in the Department of Chemistry and Chemical Engineering, Summer Session of 1963, June 17-August 10, 1963, \$2,250 for the period (5-28-63).
- LEE, CHOOCHON, Research Assistant in Physics (C), two months from June 16, 1963, \$934 (5-16-63).
- LEHMANN, JOHN R., JR., Instructor in Electrical Engineering, Summer Session of 1963, June 17-August 10, 1963, \$1,423 for the period, supersedes previous Summer Session appointment (5-23-63).
- LEON, HECTOR R., Assistant in Anesthesiology, Department of Surgery (Medicine), seven months from December 1, 1962, without salary (5-8-63).
- LIEMAN, DANIEL S., Research Assistant in the Digital Computer Laboratory, two months from June 16, 1963, \$933.32 (5-28-63).
- LINDBLAD, NERO R., Research Assistant in the State Water Survey, one year from July 1, 1963, \$7,500 (5-17-63).
- LINDERHOLM, CARL E., Instructor in Mathematics, Summer Session of 1963, June 17-August 10, 1963, \$1,556 for the period (6-4-63).
- LOPEZ-BELIO, MARIANO, Clinical Assistant Professor of Surgery (Medicine), 1/4 time, four months from May 1, 1963, \$180 a month, supersedes (5-6-63).
- LYNCH, ASTA V., Research Assistant in Medicine (Medicine), one year from July 1, 1963, \$5,150 (5-16-63).

- MAINOUS, BRUCE H., Associate Professor of French, Summer Session of 1963,  $\frac{1}{2}$  time, June 17-August 10, 1963, \$1,145 for the period, supersedes previous Summer Session appointment (6-4-63).
- MANDY, WILLIAM J., Research Associate in Microbiology, three months from June 1, 1963, \$625 a month (5-22-63).
- MARTENS, GERT, Instructor in Electrical Engineering (C),  $\frac{1}{2}$  time, academic year beginning September 1, 1963, \$2,600 (5-8-63).
- MARTIN, WILLIAM O., Visiting Lecturer in Education, Summer Session of 1963, June 17-August 10, 1963, \$2,800 for the period (5-16-63).
- MASON, ROBERT M., Housefather in Speech and Theatre—Summer Residential Program, Summer Session of 1963, 23/100 time, June 17-August 10, 1963, \$200 for the period (5-22-63).
- MCDONALD, BRUCE E., Research Associate in Animal Science (S), August 1, 1963-August 31, 1964, \$6,500 a year (5-29-63).
- McMASTERS, DONALD L., Visiting Lecturer in Chemistry, nine months from September 16, 1963, \$8,000 (5-28-63).
- McMURRAY, CARL D., Research Associate in Political Science, April 1-May 7, 1963, \$1,008 (5-6-63).
- McQUIETY, MARY E., Assistant in Physical Education for Women (Chicago Undergraduate Division), nine months from September 16, 1963, \$5,200 (5-31-63).
- MENDEL, CLIFFORD W., Professor of Mathematics, Summer Session of 1963, June 17-August 10, 1963, \$2,667 for the period (6-4-63).
- MOELLER, KELVIN K., Assistant in the Institute of Aviation, one year from September 1, 1963, \$5,150 (5-28-63).
- MOORE, CHARLES A., Assistant in the Institute of Aviation, two months from June 16, 1963, \$450 a month (5-16-63).
- MORGAN, BRUCE W., Instructor in Economics, academic year beginning September 1, 1963, \$8,500 (5-29-63).
- MOSILLO, FRANCIS A., Assistant Professor of General Engineering (Chicago Undergraduate Division), Summer Session of 1963, June 21-August 16, 1963, \$1,489 for the period (5-14-63).
- MUELLER, EUGENE A., Research Associate in the State Water Survey, one year from July 1, 1963, \$11,700 (5-17-63).
- MUELLER, HENRY F., Research Associate in the State Water Survey,  $\frac{1}{2}$  time, one year from July 1, 1963, \$4,625 (5-17-63).
- MUELLER, THOMAS E., Research Associate in the Coordinated Science Laboratory (C),  $\frac{1}{2}$  time, one year from September 1, 1963, \$3,425 (5-28-63).
- MUNSON, KARL F., Instructor in Rural Recreation Extension (Agricultural Economics, and Cooperative Extension Service) (C and E), June 1, 1963-August 31, 1964, \$9,500 a year, supersedes (5-13-63).
- MUNTER, H. STEEN, JR., Assistant in the Institute of Aviation, two months from June 16, 1963, \$450 a month (5-16-63).
- MUSLIN, HYMAN L., Assistant Professor of Psychiatry (Medicine), one year from July 1, 1963, \$13,500 (5-13-63).
- NACHTMANN, FRANCIS W., Associate Professor of French, Summer Session of 1963,  $\frac{1}{2}$  time, June 17-August 10, 1963, \$934 for the period (6-4-63).
- NEISWANGER, W. A., Professor of Economics, Summer Session of 1963, June 17-August 10, 1963, \$3,445 for the period (5-23-63).
- NELSON, CLIFFORD M., JR., Assistant in Geology, Summer Session of 1963, June 17-August 10, 1963, \$889 for the period (6-5-63).
- NESSLER, FRANCIS A., Visiting Lecturer in Education, Summer Session of 1963, June 17-August 10, 1963, \$1,200 for the period (5-6-63).
- NEWMARK, NATHAN M., Professor of Civil Engineering, Summer Session of 1963,  $\frac{1}{4}$  time, June 17-July 13, 1963, \$631 for the period, supersedes previous Summer Session appointment (5-23-63).
- NISHIKAWA, YOSHIHIRO, Research Associate in Chemistry, one year from September 1, 1963, \$6,100 (4-22-63).
- ORLAND, GEORGE H., Instructor in Mathematics, Summer Session of 1963,  $\frac{1}{2}$  time, June 17-August 10, 1963, \$834 for the period, supersedes previous Summer Session appointment (6-4-63).
- PADEN, MRS. ELAINE P., Assistant Professor of Speech and Theatre, academic year beginning September 1, 1963, \$7,200 (5-31-63).

- PAGE, KENNETH C., Electron Microscope Engineer in the Electron Microscope Facility (School of Life Sciences), four months from May 1, 1963, \$1,041.66 a month (5-2-63).
- PANEPIINTO, JOAN C., Instructor in Music, academic year beginning September 1, 1963, \$6,500 (5-26-63).
- PARNAS, (MR.) ITZCHAK, Research Associate in Physiology and Biophysics, one year from September 1, 1963, \$6,100 (5-31-63).
- PEACOCK, NANCY K., Research Assistant in the Graduate College, May 13-August 31, 1963, \$429.17 a month (5-16-63).
- PENEV, LUBEN C., Clinical Instructor in Medicine (Medicine), 24/100 time, four months from May 1, 1963, \$150 a month, supersedes nonsalaried appointment (5-31-63).
- PERLMAN, RAYMOND, Associate Professor of Art, Summer Session of 1963, June 17-August 10, 1963, \$2,223 for the period, supersedes previous Summer Session appointment (6-4-63).
- PETERS, J. WILLIAM, Associate Professor of Mathematics, Summer Session of 1963, June 17-August 10, 1963, \$2,345 for the period (6-4-63).
- PETERSON, HAROLD A., Supervisor in Speech and Theatre—Summer Residential Program, Summer Session of 1963, June 17-August 10, 1963, \$1,289 for the period (5-23-63).
- PIEPER, WILLIAM J., Instructor in Psychiatry (Medicine),  $\frac{1}{2}$  time, July 1, 1963-August 31, 1964, \$7,000 a year (5-13-63).
- PIKE, NELSON C., Visiting Lecturer in Philosophy, Summer Session of 1963, June 17-August 10, 1963, \$1,900 for the period (5-16-63).
- PINES, DAVID, Professor of Physics (C), two months from June 16, 1963, \$2,000 a month; this is in addition to his present appointment (5-17-63).
- PRITNER, CALVIN L., Assistant Theatre Therapist in Speech and Theatre—Summer Residential Program, Summer Session of 1963, 45/100 time, June 17-August 10, 1963, \$400 for the period (5-22-63).
- QUAY, HERBERT C., Associate Professor of Special Education (Education) and of Psychology (College of Liberal Arts and Sciences), on indefinite tenure from September 1, 1963; and Research Director of the University of Illinois Children's Research Center (Executive Vice-President and Provost's Office), two years from September 1, 1963, \$16,500 a year (5-14-63).
- RAFUSE, ROBERT W., JR., Instructor in Economics, academic year beginning September 1, 1963, \$8,300 (5-22-63).
- RALLEY, THOMAS G., Assistant in Mathematics, Summer Session of 1963, June 17-August 10, 1963, \$889 for the period (6-4-63).
- RAMAIAH, KOMMINENI, Research Associate in Chemistry, two months from July 1, 1963, \$508.33 a month (5-22-63).
- REILLY, JAMES R., Instructor in Veterinary Pathology and Hygiene (College of Veterinary Medicine),  $\frac{3}{5}$  time, two months from July 1, 1963, \$425 a month, supersedes (5-29-63).
- RESEK, LOIS D., Research Assistant in the State Water Survey, one year from July 1, 1963, \$6,300 (5-17-63).
- RIFE, HAROLD, Instructor in Business Administration (Chicago Undergraduate Division), Summer Session of 1963, June 21-August 16, 1963, \$1,434 for the period (6-4-63).
- ROBERTS, MARGARET R., Research Assistant in the State Water Survey, one year from July 1, 1963, \$6,000 (5-17-63).
- ROEDER, PAUL J., Research Assistant in Ceramic Engineering (S), three months from June 1, 1963, \$1,440 (5-28-63).
- ROSSI, HARRIETT, Instructor in Nursing, one year from September 1, 1962, \$7,650, supersedes (5-16-63).
- RUDERER, CLIFFORD G., Research Assistant in Ceramic Engineering (S), three months from June 1, 1963, \$1,335 (5-23-63).
- RUST, RAY D., Research Assistant in Physics (C), two months from July 1, 1963, \$934 (5-28-63).
- SALINGER, RICHARD, Research Associate in Secondary and Continuing Education, one year from September 1, 1963, \$11,000 (5-13-63).
- SAVAGE, JEROME A., Instructor in Art, Summer Session of 1963,  $\frac{2}{3}$  time, June 17-August 10, 1963, \$845 for the period (6-4-63).
- SCHAUBLE, JOSEPH H., Research Associate in Chemistry, June 16-August 31, 1963, \$1,334, supersedes (5-14-63).

- SCHEYER, FREDERICK D., Assistant in the Institute of Aviation, two months from June 16, 1963, \$465 a month (5-16-63).
- SCHIAPPA, FERDINANDO B., Assistant in Anesthesiology, Department of Surgery (Medicine), three months from April 1, 1963, without salary (5-8-63).
- SCHICK, GUY A., Instructor in Economics, Summer Session of 1963, June 17-August 10, 1963, \$1,634 for the period (5-23-63).
- SEABRIGHT, MRS. FRANCES K., Instructor in Physical Sciences (Chicago Undergraduate Division), Summer Session of 1963,  $\frac{1}{2}$  time, June 21-August 16, 1963, \$756 for the period, supersedes previous Summer Session appointment (5-14-63).
- SHERBERT, DONALD R., Instructor in Mathematics, Summer Session of 1963,  $\frac{1}{2}$  time, June 17-August 10, 1963, \$723 for the period, supersedes previous Summer Session appointment (6-4-63).
- SIDEBOTTOM, OMAR M., Professor of Theoretical and Applied Mechanics, Summer Session of 1963,  $\frac{3}{4}$  time, June 17-August 10, 1963, \$2,001 for the period, supersedes previous Summer Session appointment (5-6-63).
- SIMS, ARTHUR L., Research Assistant in the Graduate College and in the State Water Survey, May 13, 1963-June 30, 1964, \$9,000 a year (5-22-63).
- SINGH, H. DEVENDRA, Research Associate in Animal Science (S), four months from May 1, 1963, \$487.50 a month (5-14-63).
- SKLAR, LAWRENCE, Visiting Lecturer in Philosophy, Summer Session of 1963, June 17-August 10, 1963, \$1,600 for the period (5-16-63).
- SLEIGH, ROBERT C., JR., Visiting Lecturer in Philosophy, Summer Session of 1963, June 17-August 10, 1963, \$1,825 for the period (5-16-63).
- SMITH, EDWARD B., Instructor in Music, academic year beginning September 1, 1963, \$5,050 (5-6-63).
- SMITH, JULIUS, Instructor in Mathematics, Summer Session of 1963,  $\frac{1}{2}$  time, June 17-August 10, 1963, \$789 for the period (6-4-63).
- SOLLO, FRANK W., JR., Research Associate in the State Water Survey, 2/10 time, one year from July 1, 1963, \$3,000 (5-17-63).
- STALLMEYER, JAMES E., Professor of Civil Engineering, Summer Session of 1963,  $\frac{2}{3}$  time, June 17-August 10, 1963, \$1,690 for the period (5-23-63).
- STARK, KURT, Research Associate in Chemistry, one year from September 1, 1963, \$6,100 (5-28-63).
- STEARNS, RAYMOND P., Professor of History, Summer Session of 1963, June 17-August 10, 1963, \$3,289 for the period, supersedes previous Summer Session appointment (5-16-63).
- STEFFENS, GEORGIA, Recreation Director in Speech and Theatre—Summer Residential Program, Summer Session of 1963,  $\frac{1}{5}$  time, June 17-August 10, 1963, \$175 for the period (5-23-63).
- STENGEL, SALLY A., Instructor in Medical Illustration (Vice-President's Office at the Medical Center), academic year beginning September 1, 1963, \$5,000 (5-28-63).
- STRAIN, ROBERT J., Research Associate in Electrical Engineering (S), three months from June 1, 1963, \$866.67 a month, supersedes (5-28-63).
- STRANGE, RUSSELL P., Professor of Air Force Science and Head of the Department, on indefinite tenure, from March 1, 1963, without salary (5-13-63).
- SURWILL, BENEDICT J., JR., Visiting Lecturer in Education, Summer Session of 1963, June 17-August 10, 1963, \$1,000 for the period (5-16-63).
- SWARD, MARCIA P., Assistant in Mathematics, Summer Session of 1963, June 17-August 10, 1963, \$889 for the period (6-4-63).
- SWIECA, JORGE A., Research Associate in Physics (C), one year from September 1, 1963, \$7,500 (5-8-63).
- TARTT, MRS. LAURA C., Instructor in the Jane Addams Graduate School of Social Work, academic year beginning September 1, 1963, \$7,500 (4-24-63).
- TERRAS, VICTOR, Assistant Professor of Russian, Summer Session of 1963, June 17-August 10, 1963, \$1,700 for the period, supersedes previous Summer Session appointment (5-29-63).
- TERREAULT, BERNARD, Research Assistant in Physics (C), two months from June 16, 1963, \$934 (5-16-63).
- TERRELL, GLENN, JR., Professor of Psychology, on indefinite tenure, and Dean of the College of Liberal Arts and Sciences (Chicago Undergraduate Division), two years from September 1, 1963, \$21,000 a year (5-15-63).

- THAYER, FREDERICK D., III, Assistant in Russian, Summer Session of 1963, June 17-August 10, 1963, \$889 for the period, supersedes previous Summer Session appointment (5-28-63).
- THIEL, GERALD E., Research Assistant in Physics (C), two months from June 16, 1963, \$934 (5-16-63).
- THIER, HERBERT D., Research Associate in Secondary and Continuing Education, one year from September 1, 1963, \$11,400 (5-22-63).
- THOMPSON, WILLIAM R., Assistant in the Graduate School of Library Science, Summer Session of 1963, June 17-August 10, 1963, \$889 for the period (5-16-63).
- TIEBOUT, HARRY M., JR., Associate Professor of Philosophy, Summer Session of 1963, June 17-August 10, 1963, \$2,067 for the period, supersedes previous Summer Session appointment (5-16-63).
- TIECKE, RICHARD, Lecturer in Oral Pathology with rank of Professor (Dentistry),  $\frac{1}{2}$  time, three months from June 1, 1963, \$600, supersedes (5-14-63).
- TOROK, NICHOLAS, Associate Professor of Otolaryngology (Medicine),  $\frac{4}{5}$  time, three months from June 1, 1963, \$1,066.66 a month, supersedes (5-28-63).
- TURIK, HENRY A., Instructor in Rural Recreation (E), June 15, 1963-August 31, 1964, \$6,300 a year, supersedes (5-28-63).
- TUSSING, RICHARD C., Instructor in Business Management (Bureau of Business Management), three months from June 1, 1963, \$625 a month (5-23-63).
- VANDYKE, PATRICIA A., Counselor in Speech and Theatre—Summer Residential Program, Summer Session of 1963, 17/100 time, June 17-August 10, 1963, \$150 for the period (5-22-63).
- WAKAE, MASAMI, Assistant in Mathematics, Summer Session of 1963, June 17-August 10, 1963, \$889 for the period (6-4-63).
- WALLER, ROBERT A., Instructor in History (College of Liberal Arts and Sciences),  $\frac{1}{3}$  time, and in Teacher Training Counseling (Education),  $\frac{2}{3}$  time, academic year beginning September 1, 1963, \$7,500 (5-28-63).
- WEBB, HAROLD D., Professor of Electrical Engineering, Summer Session of 1963,  $\frac{1}{2}$  time, June 17-August 10, 1963, \$1,256 for the period (5-23-63).
- WEBER, GERALD I., Instructor in Economics, academic year beginning September 1, 1963, \$8,300 (5-22-63).
- WILL, FREDERICK L., Professor of Philosophy, Summer Session of 1963,  $\frac{1}{8}$  time, June 17-August 10, 1963, \$413 for the period (5-16-63).
- WILLIAMS, ERNEST B., Clinical Associate in Preventive Medicine (Medicine), three months from June 1, 1963, without salary (5-23-63).
- WILLETT, MAURITA F., Assistant Professor of English (Chicago Undergraduate Division), June 21-August 16, 1963, \$1,612, additional (5-17-63).
- WITSKEN, JOHN R., Research Assistant in the Digital Computer Laboratory, two months from June 16, 1963, \$933.32 (5-28-63).
- WOLFE, MARTIN S., Research Assistant Professor of Education (University High School), two months from June 16, 1963, \$1,878, additional (5-23-63).
- YEH, ROBERT, Research Assistant in Physics (C), two months from June 16, 1963, \$934 (5-16-63).
- YON, MUSTAFA K., Clinical Assistant Professor of Anesthesiology, Department of Surgery (Medicine),  $\frac{1}{2}$  time, four months from May 1, 1963, \$220.83 a month, supersedes (5-8-63).
- ZETTAS, JAMES P., Clinical Instructor in Orthopaedic Surgery (Medicine), three months from June 1, 1963, without salary (5-23-63).
- ZIEGLER, RUSSELL A., Visiting Lecturer in Advertising (Journalism and Communications), to render service during the first semester of the academic year, September 1, 1963-February 28, 1964, \$4,337.50 (5-23-63).

#### GRADUATE FELLOWS

(The following appointments made by the Dean of the Graduate College were approved on the date indicated in parentheses.)

- ABDUL-BAKI, AREF A., Summer Fellow in Horticulture, two months from June 16, 1963, \$375 (4-30-63).
- AKIN, FINIS D., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$4,740 (4-25-63).
- ANDERSON, LYNN R., National Science Foundation Summer Fellow in Psychology, June 16-September 7, 1963, \$900 (4-25-63).

- ARONS, HARRIET D., University Fellow at the Medical Center, one year from September 1, 1963, \$2,300 (3-29-63).
- ASIK, JOSEPH R., National Science Foundation Cooperative Fellow in Physics, one year from June 16, 1963, \$2,400 (4-25-63).
- ASPNES, DAVID E., National Science Foundation Cooperative Fellow in Physics, one year from September 1, 1963, \$2,400 (4-25-63).
- BANNA, NABIL R., University Fellow at the Medical Center, one year from September 1, 1963, \$2,300 (3-29-63).
- BARRY, LYNETTE F., George A. Miller Fellow in English, nine months from September 16, 1963, \$1,600; and two months from June 16, 1964, \$400, supersedes (5-2-63).
- BENARD, EDMUND F., Fellow in Civil Engineering, nine months from September 16, 1963, \$2,000; and two months from June 16, 1964, \$500, supersedes (5-6-63).
- BENOIT, CATHERINE, University Fellow at the Medical Center, one year from September 1, 1963, \$2,300 (3-29-63).
- BERNETT, WILLIAM A., National Science Foundation Summer Fellow in Chemistry, June 16-September 7, 1963, \$1,020 (5-16-63).
- BERTLAND, ALEXANDER U., II, United States Public Health Service Summer Fellow (Trainee) in Chemistry, two months from June 16, 1963, \$800 (5-20-63).
- BILLINGTON, JOHN A., Fellow (Intern) in Government and Public Affairs, nine months from September 16, 1963, \$2,025 (5-6-63).
- BOERS, BURDETTE L., Fellow (Teaching Intern) in Mechanical Engineering, nine months from September 16, 1963, \$2,400 (5-16-63).
- BOLLES, THEODORE F., National Science Foundation Summer Fellow in Chemistry, June 16-September 7, 1963, \$1,020 (5-16-63).
- BRAMMER, LINDA R., National Science Foundation Cooperative Fellow in Chemistry, one year from September 1, 1963, \$2,400 (4-25-63).
- BRIGGS, JERRY L., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$4,740 (4-25-63).
- BRITTAİN, THOMAS M., National Science Foundation Cooperative Fellow in Mechanical Engineering, one year from September 1, 1963, \$2,400 (4-25-63).
- BROMELS, EDWARD, National Science Foundation Summer Fellow in Chemistry, June 16-September 7, 1963, \$1,020 (5-16-63).
- BROSAMLER, GUNNAR, Teaching Fellow in Mathematics, nine months from September 16, 1963, \$1,500; and two months from June 16, 1963, \$375 (3-30-63).
- BROSEMER, RONALD W., Postdoctoral Fellow (Trainee) in Chemistry, two months from June 16, 1963, \$1,556; this is in addition to his appointment as Instructor in Biochemistry (5-28-63).
- BROWN, FREDERICK S., United States Public Health Service Fellow (Trainee) in Chemistry, February 1-August 15, 1963, \$1,444.43 (5-27-63).
- BROWN, MRS. SHARON L., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$5,880 (4-26-63).
- BUFFINGTON, SIDNEY C., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$5,310 (4-25-63).
- BUTTERWORTH, DOUGLAS S., Fellow in Anthropology, nine months from September 16, 1963, \$2,000; and two months from June 16, 1963, \$500 (3-30-63).
- CARLSON, LOREN G., Fellow (Intern) in Government and Public Affairs, one year from July 1, 1963, \$2,700 (5-6-63).
- CARNEY, JOSEPH H., Sigma Xi Summer Fellow in Chemistry, two months from June 16, 1963, \$500, supersedes (5-3-63).
- CARRAWAY, KERMIT L., National Science Foundation Summer Fellow in Chemistry, June 16-September 7, 1963, \$1,020 (5-16-63); and National Science Foundation Cooperative Fellow in Chemistry, nine months from September 16, 1963, \$2,400 (5-1-63).
- CARTER, ROBERT L., National Aeronautics and Space Administration Fellow in Civil Engineering, one year from September 1, 1963, \$2,400 (5-17-63).
- CHALFANT, JAMES C., United States Office of Education Fellow in Education, nine months from September 16, 1963, \$4,400 (5-7-63).
- CLARK, HERBERT J., National Science Foundation Summer Fellow in Psychology, June 16-September 7, 1963, \$1,020 (5-16-63).

- COLLIER, CHARLES P., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$3,600 (4-25-63).
- COOPER, JEFFERY M., National Science Foundation Cooperative Fellow in Mathematics, nine months from September 16, 1963, \$1,800 (4-25-63).
- COTE, WILLIAM E., National Science Foundation Summer Fellow in Geology, June 16-September 7, 1963, \$1,020 (5-16-63).
- COTTER, STANLEY, National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$5,310 (4-25-63).
- COVERDALE, CHARLES E., E. I. du Pont Teaching Fellow in Chemistry, nine months from September 16, 1963, \$1,200 (4-19-63).
- CRAILEY, JOHN C., National Science Foundation Summer Fellow in Zoology, June 16-September 7, 1963, \$1,020 (5-16-63).
- CRILEY, BRUCE B., Summer Fellow in Zoology, one month from July 16, 1963, \$187.50 (4-24-63).
- CUTTS, RICHARD, National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$5,310 (4-25-63).
- DAGRES, JOHN, George A. Miller Fellow in History, nine months from September 16, 1963, \$1,600; and two months from June 16, 1964, \$400, supersedes (5-2-63).
- DAVIS, EMILE M., United States Public Health Service Postdoctoral Fellow (Trainee) in Dentistry at the Medical Center, three months from April 1, 1963, \$542 a month (3-19-63).
- DEGNAN, JUDITH A., University Fellow at the Medical Center, one year from September 1, 1963, \$2,300 (3-29-63).
- DE VLEGER, DANIEL, Summer Fellow in Political Science, two months from June 16, 1963, \$375 (4-17-63).
- DONEGAN, ROSA M., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$3,600 (4-25-63).
- DRAPER, MILTON A., Summer Fellow (Trainee) in Physiology, three months from June 16, 1963, \$600 (4-16-63).
- DRUCKER, HARVEY, United States Public Health Service Fellow (Trainee) in Microbiology, one year from July 1, 1963, \$2,800 (5-24-63).
- DUNN, HOWARD E., Phillips Petroleum Company Fellow in Chemistry, nine months from September 16, 1963, \$2,000 (4-19-63).
- EBNER, CHARLES A., National Science Foundation Cooperative Fellow in Physics, nine months from September 16, 1963, \$1,800 (4-25-63).
- EDGERTON, STEPHENIE G., Summer Fellow in Education, two months from June 16, 1963, \$375 (4-17-63).
- EKDAHL, FRANCIS E., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$5,880 (4-25-63).
- ELIAS, CHESTER G., Jr., Fellow (Intern) in Government and Public Affairs, nine months from September 16, 1963, \$2,025 (5-6-63).
- FEISTEL, GERALD R., National Science Foundation Cooperative Fellow in Chemistry, one year from June 16, 1963, \$2,400 (4-25-63).
- FINLEY, JUDITH A., Summer Fellow in History, two months from June 16, 1963, \$375 (5-2-63).
- FISHER, BARBARA N., United States Public Health Service Summer Fellow (Trainee) in Chemistry, two months from June 16, 1963, \$445 (5-16-63).
- FISHER, FARLEY, National Science Foundation Cooperative Fellow in Chemistry, one year from September 1, 1963, \$2,400 (4-25-63).
- FLYNN, CHARLES M., Jr., National Science Foundation Cooperative Fellow in Chemistry, nine months from September 16, 1963, \$1,800 (4-25-63).
- FORSMAN, RODERICK G., United States Public Health Service Fellow (Trainee) in Psychology, nine months from September 16, 1963, \$1,800 (5-16-63).
- FRANKLIN, GUS L., III, National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$3,600 (4-25-63).
- FRAZER, WILLIAM D., Fellow in Digital Computer Laboratory, September 16, 1963-January 31, 1964, \$750, supersedes (5-2-63).
- FREED, JAMES M., United States Public Health Service Fellow (Trainee) in Physiology, two months from June 16, 1963, \$444.32 (5-23-63).
- FRIEDMAN, ROBERT B., Summer Fellow (Trainee) in Biological Chemistry, three months from June 16, 1963, \$600 (4-16-63).



- FUNG, ALICE S. C., Summer Fellow (Trainee) in Physiology, three months from June 16, 1963, \$600 (4-16-63).
- GAARDER, BARD, Fellow in Law, nine months from September 16, 1963, \$2,000; and two months from June 16, 1964, \$500 (3-30-63).
- GARLAND, ROY E., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$5,880 (4-25-63).
- GERICKE, WOLFGANG, Summer Fellow (Trainee) in Pharmaceutical Chemistry, three months from June 16, 1963, \$600 (4-16-63).
- GOODMAN, ALAN B., Summer Fellow (Trainee) in Physiology, three months from June 16, 1963, \$600 (4-16-63).
- GORDON, ALAN, National Science Foundation Cooperative Fellow in Physics, nine months from September 16, 1963, \$1,800 (4-25-63).
- GOSSUM, SANDRA A., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$3,600 (4-25-63).
- GRIMES, GEORGE V., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$4,170 (4-25-63).
- GROTZINGER, LAUREL A., Fellow in Library Science, nine months from September 16, 1963, \$1,500; and two months from June 16, 1964, \$375 (5-2-63).
- GUNDERSEN, LARRY E., United States Public Health Service Summer Fellow (Trainee) in Chemistry, two months from June 16, 1963, \$445 (5-20-63).
- GUR-ARIEH, CHAIM, Fellow in Food Technology, September 16, 1963-January 31, 1964, \$900, supersedes (5-2-63).
- GUTMAN, DAVID, National Science Foundation Summer Fellow in Chemistry, June 16-September 7, 1963, \$1,020 (5-16-63).
- HABAS, LINDA B., United States Public Health Service Fellow (Trainee) in Physiology, one year from June 16, 1963, \$2,666.66 (5-23-63).
- HAGGSTROM, GUS W., National Science Foundation Cooperative Fellow in Mathematics, one year from September 1, 1963, \$2,400 (4-25-63).
- HALEY, KENNETH W., National Science Foundation Cooperative Fellow in Chemical Engineering, one year from June 16, 1963, \$2,400 (4-25-63).
- HALL, EDNA J., National Science Foundation Cooperative Fellow in Physics, one year from September 1, 1963, \$2,400 (4-25-63).
- HALL, JEAN, National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$3,600 (4-25-63).
- HALL, RICHARD S., National Science Foundation Cooperative Fellow in Mathematics, one year from June 16, 1963, \$2,400 (4-25-63).
- HANNULA, THOMAS A., Summer Fellow in Mathematics, two months from June 16, 1963, \$375 (4-1-63); and National Aeronautics and Space Administration Fellow in Mathematics, one year from September 1, 1963, \$2,400, supersedes (5-17-63).
- HARPER, GOIN N., National Science Foundation Summer Fellow in Civil Engineering, June 16-August 10, 1963, \$680 (5-16-63).
- HARRISON, WILLARD W., C. S. Marvel Fellow in Chemistry, nine months from September 16, 1963, \$2,000 (4-22-63).
- HARTMEN, RICHARD R., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$5,310 (4-25-63).
- HAY, ARTHUR J., National Science Foundation Summer Fellow in Chemistry, June 16-September 7, 1963, \$1,020 (5-16-63).
- HERBER, WILLIAM J., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$4,740 (4-25-63).
- HEUER, RONALD E., National Science Foundation Cooperative Fellow in Geology, one year from June 16, 1963, \$2,400 (4-25-63).
- HOCH, JAMES A., United States Public Health Service Fellow (Trainee) in Microbiology, one year from July 1, 1963, \$3,200 (5-24-63).
- HOLLINGTON, M. A., Fellow in English, nine months from September 16, 1963, \$2,000; and two months from June 16, 1964, \$500 (3-30-63).
- HOLMEN, ROBERT L., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1962, \$4,835, supersedes (5-6-63).
- HOYT, RONNIE A., National Science Foundation Cooperative Fellow in Electrical Engineering, nine months from September 16, 1963, \$1,800 (4-25-63).
- HUMMEL, FLOYD A., National Science Foundation Cooperative Fellow in Physics, one year from June 16, 1963, \$2,400 (4-25-63).

- HURLEY, OLIVER L., United States Office of Education Fellow in Education, nine months from September 16, 1963, \$3,600 (5-7-63).
- IMHOF, VIOLET I., National Science Foundation Cooperative Fellow in Chemistry, nine months from September 1, 1963, \$1,800 (5-16-63).
- INCREMONA, JOSEPH H., Rohm and Haas Company Fellow in Chemistry, nine months from September 16, 1963, \$1,900 (4-19-63).
- JOBES, ROBERT W., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$5,880 (4-25-63).
- JONES, ALAN K. G., Fellow in Business Administration, nine months from September 16, 1963, \$1,500 (3-30-63).
- JONES, MACK, Summer Fellow in Political Science, two months from June 16, 1963, \$375 (5-2-63).
- JOSEPHSON, CHARLES H., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$4,170 (4-25-63).
- JUNG, ROBERT W., Summer Fellow in Philosophy, two months from June 16, 1963, \$375 (4-16-63).
- KAHN, WALTER J., United States Public Health Service Fellow (Trainee) in Ophthalmology at the Medical Center, three months from April 1, 1963, \$1,650, supersedes (3-27-63).
- KARLIN, MARVIN W., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$5,880 (4-25-63).
- KEENER, RONALD L., National Science Foundation Summer Fellow in Chemistry, June 16-August 10, 1963, \$680 (5-16-63).
- KEITH, HAROLD D., National Science Foundation Cooperative Fellow in Theoretical and Applied Mechanics, one year from September 1, 1963, \$2,400 (4-25-63).
- KELLEHER, JAMES J., National Science Foundation Cooperative Fellow in Mathematics, one year from June 16, 1963, \$2,400 (4-25-63).
- KELLY, THOMAS J., Summer Fellow in History, two months from June 16, 1963, \$375 (5-2-63).
- KENNY, MARGARET A., Summer Fellow (Trainee) in Biological Chemistry, three months from June 16, 1963, \$600 (4-16-63).
- KIECKHEFER, BARBARA J., National Science Foundation Summer Fellow in Botany, June 16-September 7, 1963, \$1,020 (5-16-63).
- KIERGAN, STEPHEN E., National Science Foundation Cooperative Fellow in Physics, nine months from September 16, 1963, \$1,800 (4-25-63).
- KIRKBY, LARRY L., Monsanto Chemical Company Fellow in Chemical Engineering, nine months from September 16, 1963, \$2,000 (4-19-63).
- KNAUPP, JONATHAN E., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$4,170 (4-25-63).
- KNOPP, JAMES A., United States Public Health Service Summer Fellow (Trainee) in Chemistry, two months from June 16, 1963, \$445 (5-20-63).
- KOMINEK, LEO A., United States Public Health Service Fellow (Trainee) in Microbiology, one year from July 1, 1963, \$3,200 (5-24-63).
- KOOB, JOHN D., Fellow in Botany, nine months from September 16, 1963, \$1,500; and two months from June 16, 1964, \$375 (3-30-63); and Summer Fellow in Botany, two months from June 16, 1963, \$375 (4-16-63).
- KOOP, JAMES V., Summer Fellow (Trainee) in Microbiology, three months from June 16, 1963, \$600 (4-16-63).
- KOPP, LINDA M., Fellow in Russian, nine months from September 16, 1963, \$1,500; and two months from June 16, 1963, \$475, supersedes (5-31-63).
- KRANCH, LINDA L., United States Public Health Service Summer Fellow (Trainee) in Chemistry, two months from June 16, 1963, \$445 (5-20-63).
- KUBIS, JOHN J., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$4,170 (4-25-63).
- KUNZE, BARBARA A., Fellow in Mathematics, nine months from September 16, 1963, \$1,500; and two months from June 16, 1964, \$375 (3-30-63).
- LABACH, WILLIAM A., National Science Foundation Summer Fellow in Mathematics, June 16-August 10, 1963, \$680 (5-16-63).
- LARSON, CARL S., National Science Foundation Summer Fellow in Mechanical Engineering, June 16-August 10, 1963, \$680 (5-16-63).
- LARYEA, JEMIMA U., University Fellow at the Medical Center, one year from September 1, 1963, \$2,300 (3-29-63).

- LATTA, THOMAS M., National Science Foundation Summer Fellow in Chemistry, June 16-September 7, 1963, \$1,020 (5-16-63).
- LEHMANN, GERALD A., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$5,880 (4-25-63).
- LINE, WILLIAM F., Summer Fellow (Trainee) in Biological Chemistry, three months from June 16, 1963, \$600 (4-16-63).
- LISTER, BASIL M., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$4,740 (4-25-63).
- LOOS, JAMES S., National Science Foundation Cooperative Fellow in Physics, one year from September 1, 1963, \$2,400 (4-25-63).
- LUCAS, JOHN F., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$4,740 (4-25-63).
- LYNCH, RICHARD W., National Science Foundation Cooperative Fellow in Chemical Engineering, one year from June 16, 1963, \$2,400 (4-25-63).
- MARTIN, LAWRENCE L., Edward Orton Jr. Foundation Fellow in Ceramic Engineering, nine months from September 16, 1963, \$1,600 (5-29-63).
- MARTIN, PRESTON K., Standard Oil Company (of California) Fellow in Chemistry, nine months from September 16, 1963, \$2,400 (4-19-63).
- MARTIN, SANFORD M., JR., National Science Foundation Summer Fellow in Economics, June 16-September 7, 1963, \$1,020 (5-16-63).
- MCCORMICK, JAMES L., National Science Foundation Cooperative Fellow in Chemical Engineering, one year from June 16, 1963, \$2,400 (4-25-63).
- MCDOWELL, LELAND K., National Science Foundation Cooperative Fellow in Mathematics, one year from September 1, 1963, \$2,400 (4-25-63).
- MCGEARY, DAVID F. R., National Science Foundation Summer Fellow in Geology, June 16-September 7, 1963, \$1,020 (5-16-63).
- MCGLAMERY, MARSHAL D., National Science Foundation Cooperative Fellow in Agronomy, one year from September 1, 1963, \$2,400 (4-25-63).
- McKAUGHAN, LARRY S., United States Public Health Service Fellow (Trainee) in Psychology, nine months from September 16, 1963, \$1,800 (5-17-63).
- MILLER, DONALD M., United States Public Health Service Fellow (Trainee) in Physiology, two months from June 16, 1963, \$444.34 (5-23-63).
- MILLER, LARRY L., Eli Lilly Company Fellow in Chemistry, nine months from September 16, 1963, \$2,000 (4-19-63).
- MISCHKE, RICHARD E., National Science Foundation Cooperative Fellow in Physics, one year from September 1, 1963, \$2,400 (4-25-63).
- MISHKIN, DAVID J., National Science Foundation Summer Fellow in Economics, June 16-September 7, 1963, \$1,020 (5-16-63).
- MOEHLIS, RONALD D., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$4,170 (4-25-63).
- MONNARD, RICHARD F., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$3,600 (4-25-63).
- MORRIS, ALAN H., Medical Student Alternative Quarter Fellow, March 18-June 8, 1963, \$200 (4-4-63).
- MORRIS, CHARLES G., II, National Science Foundation Cooperative Fellow in Psychology, one year from September 1, 1963, \$2,400 (4-25-63).
- MOSS, STEVEN A., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$4,740 (4-25-63).
- MUESING, RICHARD A., United States Public Health Service Summer Fellow (Trainee) in Chemistry, two months from June 16, 1963, \$445 (5-16-63).
- MULHOLLAND, ROYAL W., Summer Fellow in Education, two months from June 16, 1963, \$375 (4-16-63).
- MURPHY, JAMES T., Fellow (Intern) in Government and Public Affairs, nine months from September 16, 1963, \$2,025 (5-6-63).
- MURRAY, CECIL P., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$5,310 (4-25-63).
- MYERS, DAVID D., United States Public Health Service Fellow (Trainee) in Veterinary Medical Science, June 1, 1963-June 30, 1964, \$7,041.66 (5-24-63).
- NELSON, NORMAN N., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$3,600 (4-25-63).
- NEWMAN, L. MICHAEL, National Science Foundation Summer Fellow in Psychology, June 16-August 10, 1963, \$680 (5-16-63).

- ODELL, STANLEY J., Summer Fellow in Philosophy, two months from June 16, 1963, \$375 (4-16-63).
- OEHMKE, RICHARD W., Minnesota Mining and Manufacturing Company Fellow in Chemistry, nine months from September 16, 1963, \$2,000 (4-19-63).
- O'NEILL, WILLIAM P., National Science Foundation Cooperative Fellow in Chemistry, one year from September 1, 1963, \$2,400 (4-25-63).
- ORR, MARGERY A., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$3,600 (4-25-63).
- OSBORN, THOMAS R., National Science Foundation Cooperative Fellow in Physics, one year from June 16, 1963, \$2,400 (4-25-63).
- PAIGE, JAMES P., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$4,170 (4-25-63).
- PALMER, RICHARD A., National Science Foundation Summer Fellow in Chemistry, June 16-August 24, 1963, \$850 (5-16-63); and August Kochs Fellow in Chemistry, nine months from September 16, 1963, \$2,000 (4-19-63).
- PARR, CHRISTOPHER A., Summer Fellow in Chemistry, two months from June 16, 1963, \$375 (4-26-63).
- PATTEN, JOSEPH, Summer Fellow in Labor and Industrial Relations, two months from June 16, 1963, \$375 (3-26-63).
- PERKINS, WILLIAM E., United States Public Health Service Fellow (Trainee) in Physiology, two months from June 16, 1963, \$444.34 (5-23-63).
- PETROVICH, JOHN P., National Science Foundation Cooperative Fellow in Chemistry, one year from June 16, 1963, \$2,400 (4-25-63).
- PIEPMEIER, EDWARD H., Chemical Industries Council Summer Fellow in Chemistry, two months from June 16, 1963, \$500 (4-24-63).
- PIFER, JOE H., National Science Foundation Cooperative Fellow in Physics, one year from June 16, 1963, \$2,400 (4-25-63).
- PLEVAN, ROBERT E., National Science Foundation Cooperative Fellow in Chemical Engineering, one year from June 16, 1963, \$2,400 (4-25-63).
- POGANY, DENNIS, Summer Fellow (Trainee) in Pharmaceutical Chemistry, three months from June 16, 1963, \$600 (4-16-63).
- PORTER, JAMES A., JR., United States Public Health Service Fellow (Trainee) in Veterinary Medical Science, one year from June 16, 1963, \$6,000 (5-24-63).
- PORTUGAL, FRANKLIN H., Summer Fellow (Trainee) in Biological Chemistry, three months from June 16, 1963, \$600 (4-16-63).
- PRATT, LARRY D., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$3,600 (4-25-63).
- PURCELL, KEITH F., Chemical Industries Council Summer Fellow in Chemistry, two months from June 16, 1963, \$500 (4-24-63).
- RANDALL, WILLIAM J., Monsanto Chemical Company Fellow in Chemistry, nine months from September 16, 1963, \$1,800 (4-25-63).
- RAZ, AMIRAM, Wright Fellow in Food Technology, nine months from September 16, 1963, \$1,800; and two months from June 16, 1964, \$600 (4-15-63).
- REHM, ALLAN S., National Science Foundation Summer Fellow in Mathematics, June 16-September 7, 1963, \$1,020 (5-16-63).
- RIPKA, WILLIAM C., National Science Foundation Cooperative Fellow in Chemistry, one year from September 1, 1963, \$2,400 (4-25-63).
- ROACH, WILLIAM R., National Science Foundation Cooperative Fellow in Physics, nine months from September 16, 1963, \$1,800 (4-25-63).
- ROSENBERG, HARRY C., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$5,880 (4-25-63).
- ROSENBERG, RICHARD L., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$4,170 (4-25-63).
- RUTH, ROBIN C., United States Public Health Service Summer Fellow (Trainee) in Chemistry, two months from June 16, 1963, \$445 (5-20-63).
- RYAN, ROBERT P., Office of Vocational Rehabilitation Fellow (Trainee) in Education, two months from June 16, 1963, \$700 (5-7-63).
- RYAN, SHEILA P., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$3,600 (4-25-63).
- RYCKMAN, DAVID B., United States Office of Education Fellow in Education, nine months from September 16, 1963, \$2,800 (5-7-63).
- SAEGER, KAY E., United States Public Health Service Fellow (Trainee) in Physiology, one year from June 16, 1963, \$2,666.66 (5-23-63).

- SAGERS, RICHARD D., Postdoctoral Fellow (Trainee) in Chemistry, two months from June 16, 1963, \$2,445; this is in addition to his present appointment as Visiting Lecturer in Chemistry (5-28-63).
- SAIN, MICHAEL K., National Science Foundation Summer Fellow in Electrical Engineering, June 16-August 17, 1963, \$765 (5-16-63).
- SAMUEL, WILLIAM S., JR., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$5,880 (4-25-63).
- SANDFORD, PAUL A., United States Public Health Service Summer Fellow (Trainee) in Chemistry, two months from June 16, 1963, \$445 (5-16-63).
- SAUNDERS, GRADY F., United States Public Health Service Fellow (Trainee) in Microbiology, one year from July 1, 1963, \$3,200 (5-24-63).
- SCHIMBOR, RICHARD F., National Science Foundation Cooperative Fellow in Chemistry, one year from June 16, 1963, \$2,400 (4-25-63).
- SCOTT, ALAN N., National Science Foundation Summer Fellow in Chemistry, June 16-September 7, 1963, \$1,020 (5-16-63).
- SELL, MAURICE G., JR., Procter and Gamble Fellow in Chemical Engineering, nine months from September 16, 1963, \$1,800 (4-26-63).
- SENSABAUGH, RICHARD G., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$4,170 (4-25-63).
- SHIER, JOHN S., National Science Foundation Cooperative Fellow in Physics, nine months from September 16, 1963, \$1,800 (4-25-63).
- SHOFFNER, JAMES P., Summer Fellow (Trainee) in Pharmaceutical Chemistry, three months from June 16, 1963, \$600 (4-16-63).
- SINGH, AMARJIT H., Teaching Fellow in Physics, nine months from September 16, 1962, \$1,800; and two months from June 16, 1963, \$350, supersedes (5-5-63).
- SIRBASKU, DAVID A., University Fellow at the Medical Center, one year from September 1, 1963, \$2,300 (4-1-63).
- SISTER MARY K. FELLIN, National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$3,600 (4-25-63).
- SISTER MARY ST. MARGARET PUMPHRET, National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$1,800 (4-25-63).
- SMITH, ALTON L., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$4,170 (4-25-63).
- SMITH, JOHN E., JR., National Science Foundation Cooperative Fellow in Physics, one year from September 1, 1963, \$2,400 (4-25-63).
- SMITH, THEODORE F., Fellow (Teaching Intern) in Mechanical Engineering, nine months from September 16, 1963, \$2,100 (5-16-63).
- SOJA, DOROTHY M., United States Public Health Service Fellow (Trainee) in Chemistry, two months from June 16, 1963, \$445 (5-27-63).
- SON, JAIME S., Fellow in Chemical Engineering, nine months from September 16, 1963, \$1,800; and two months from June 16, 1964, \$600 (4-30-63).
- SPICER, LARRY D., National Science Foundation Cooperative Fellow in Chemistry, one year from September 1, 1963, \$2,400 (4-25-63).
- SPINOSA, FRANK, Special Fellow in Music, nine months from September 16, 1963, \$1,500 (4-24-63).
- STANCL, DONALD L., National Science Foundation Cooperative Fellow in Mathematics, one year from September 1, 1963, \$2,400 (4-25-63).
- STEPHENS, JOHN K., National Science Foundation Cooperative Fellow in Mathematics, nine months from September 16, 1963, \$1,800 (4-25-63).
- STOLL, CHARLES H., National Science Foundation Cooperative Fellow in Mechanical Engineering, one year from September 1, 1963, \$2,400 (4-25-63).
- STONE, ALEXANDER P., Teaching Fellow in Mathematics, nine months from September 16, 1963, \$1,500; and two months from June 16, 1963, \$375 (3-30-63).
- STONE, MARY A., Teaching Fellow in Education, nine months from September 16, 1963, \$1,500; and two months from June 16, 1963, \$375 (3-30-63).
- STROMSTA, ROGER R., National Aeronautics and Space Administration Fellow in Mechanical Engineering, one year from September 1, 1963, \$3,000, supersedes (5-17-63).
- STRUNK, RICHARD D., Fellow (Teaching Intern) in Mechanical Engineering, nine months from September 16, 1963, \$2,400 (5-16-63).
- SUONICK, NAOMI, Fellow in English, nine months from September 16, 1963, \$2,000; and two months from June 16, 1964, \$500 (3-30-63).

- SUSSMANN, ROSALINA, National Science Foundation Cooperative Fellow in Chemistry, one year from September 1, 1963, \$2,400 (4-25-63).
- SWALLOW, RONALD J., United States Public Health Service Predoctoral Fellow in Biophysics, one year from February 1, 1963, \$3,200 (4-16-63).
- TASCH, ALOYSIOUS F., National Aeronautics and Space Administration Fellow in Physics, one year from September 1, 1963, \$2,400, supersedes (5-17-63).
- TAYLOR, BERT A., National Science Foundation Summer Fellow in Mathematics, June 16-August 10, 1963, \$680 (5-16-63); and National Science Foundation Cooperative Fellow in Mathematics, one year from September 1, 1963, \$2,400 (4-25-63).
- THOMAS, JOHN D., Summer Fellow in Speech, two months from June 16, 1963, \$375 (4-16-63).
- THOMPSON, STEPHEN I., Summer Fellow in Anthropology, two months from June 16, 1963, \$375 (4-16-63).
- TOMASSON, RICHARD F., Fellow in Sociology, three months from June 16, 1963, \$900; this is in addition to his appointment as Assistant Professor of Sociology and in the Division of General Studies (5-13-63).
- TREACY, DAVID F., Summer Fellow in Communications, two months from June 16, 1963, \$375 (4-16-63).
- TRIMBLE, RALPH W., United States Public Health Service Fellow (Trainee) in Psychology, nine months from September 16, 1963, \$1,800 (5-17-63).
- TROWBRIDGE, GEORGE C., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$5,310 (4-25-63).
- UDDIN, DAVID E., University Fellow at the Medical Center, one year from September 1, 1963, \$2,300 (3-29-63).
- UNDERHILL, DONALD K., Summer Fellow in Zoology, two months from June 16, 1963, \$375 (4-17-63).
- VAICHULIS, EUGENE M., Summer Fellow (Trainee) in Microbiology, three months from June 16, 1963, \$600 (4-16-63).
- VAN DER VOORN, PETER C., National Science Foundation Cooperative Fellow in Chemistry, one year from September 1, 1963, \$2,400 (4-25-63).
- VAUGHAN, ROBERT W., National Science Foundation Cooperative Fellow in Chemical Engineering, one year from September 1, 1963, \$2,400 (4-25-63).
- VAYO, HARRIS W., United States Public Health Service Fellow (Trainee) in Biophysics, two months from June 16, 1963, \$444.34 (5-23-63).
- VERGIN, MARCIA A., United States Public Health Service Summer Fellow (Trainee) in Chemistry, two months from June 16, 1963, \$445 (5-20-63).
- VIRUS, CAROLYN R., University Fellow at the Medical Center, one year from September 1, 1963, \$2,300 (3-29-63).
- WAGNER, CURTIS A., National Science Foundation Cooperative Fellow in Physics, one year from September 16, 1963, \$2,400 (4-25-63).
- WALKER, LEIGH E., National Science Foundation Cooperative Fellow in Chemistry, one year from June 16, 1963, \$2,400 (4-25-63).
- WALSH, JOHN B., National Science Foundation Cooperative Fellow in Mathematics, nine months from September 16, 1963, \$1,800 (4-25-63).
- WATANABE, RENATE G., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$1,800 (4-25-63).
- WEIMER, RICHARD C., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$5,310 (4-25-63).
- WEST, HOYAL B., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$5,310 (4-25-63).
- WILKINSON, JACK W., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$5,880 (4-25-63).
- WILSON, GEORGE S., National Science Foundation Summer Fellow in Chemistry, June 16-August 24, 1963, \$850 (5-16-63).
- WILSON, JOHN E., Parke, Davis Company Summer Fellow in Chemistry, two months from June 16, 1963, \$700 (4-26-63).
- WILSON, PAUL R., National Science Foundation Cooperative Fellow in Mathematics, one year from June 16, 1963, \$2,400 (4-25-63).
- WINTERBAUER, WILLIAM L., JR., National Science Foundation Cooperative Fellow in Mechanical Engineering, one year from September 1, 1963, \$2,400 (4-25-63).
- WISEMAN, DOUGLAS E., United States Office of Education Fellow in Education, nine months from September 16, 1963, \$4,000 (5-7-63).

- WOLFE, BARRY E., United States Public Health Service Fellow (Trainee) in Psychology, nine months from September 16, 1963, \$1,800 (5-17-63).  
 WOLLERSHEIM, JANET P., United States Public Health Service Fellow (Trainee) in Psychology, nine months from September 16, 1963, \$2,000 (5-17-63).  
 WOODFIN, BEULAH M., United States Public Health Service Fellow (Trainee) in Chemistry, May 1-August 15, 1963, \$1,956 (5-24-63).  
 WOZNIAK, LOUIS, National Science Foundation Summer Fellow in Electrical Engineering, June 16-August 10, 1963, \$680 (5-16-63).  
 WRZESZCZ, OWEN E., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$4,740 (4-25-63).  
 WYDER, JOSEPH G., JR., National Science Foundation Institute Fellow in Mathematics, one year from June 16, 1963, \$4,170 (4-25-63).  
 YAMASHIROVA, HERBERT M., Summer Fellow (Trainee) in Microbiology, three months from June 16, 1963, \$600 (4-16-63).  
 YEN, SIAN L., Fellow in Linguistics, nine months from September 16, 1963, \$1,500; and two months from June 16, 1964, \$375 (5-23-63).

#### RESIGNATIONS, DECLINATIONS, AND TERMINATIONS

- BALDINO, MRS. EVANGELINE, Acquisition Assistant in the Library—resignation effective June 22, 1963.  
 BLYTH, COLIN R., Professor of Mathematics, Summer Session of 1963—declination effective June 17, 1963.  
 BORCHERS, GERTRUDE L., Professor of Nutrition—resignation effective July 16, 1963.  
 BRIDGES, THOMAS W., Instructor in Music—resignation effective September 1, 1963.  
 BUTWELL, RICHARD L., Associate Professor of Political Science, Summer Session of 1963—resignation effective June 17, 1963.  
 CARLSON, C. I., Professor of General Engineering, Summer Session of 1963—resignation effective June 21, 1963.  
 CROW, MERWIN R., Instructor in Hygiene and Psychiatric Social Worker in the Health Service—declination effective September 1, 1963.  
 DAVIS, NUEL P., Assistant Professor of English, Summer Session of 1963—resignation effective June 17, 1963.  
 DEMAREE, ROBERT G., Associate Professor of Psychology and Director of the Office of Instructional Research—resignation effective September 1, 1963.  
 DICKINSON, MARSHA, Research Assistant in Political Science—resignation effective June 8, 1963.  
 EAGON, JOHN A., Instructor in Mathematics, Summer Session of 1963—declination effective June 17, 1963.  
 ENATA, ELOISE C., Instructor in English, Summer Session of 1963—resignation effective June 17, 1963.  
 FRATICELLI, JOANNE C., Assistant in Occupational Therapy (Medicine)—resignation effective May 23, 1963.  
 HARPER, ANNE Y., Research Assistant in the Bureau of Economic and Business Research—resignation effective June 1, 1963.  
 HILL, ENID, Assistant in Social Sciences (Chicago Undergraduate Division), Summer Session of 1963—resignation effective June 21, 1963.  
 HOUSE, JAMES E., Assistant in the Division of General Studies, Summer Session of 1963—resignation effective June 17, 1963.  
 HUNT, ROGENE S., Visiting Lecturer in History (Chicago Undergraduate Division), Summer Session of 1963—resignation effective June 21, 1963.  
 JOGDEO, SHISHIRKUMAR S., Assistant Professor of Mathematics—resignation effective September 1, 1963.  
 JOHNSON, MARGARET L., Instructor in Medical Social Work (Medicine)—resignation effective June 8, 1963.  
 JONES, BARCLAY G., Fellow in Nuclear Engineering—resignation effective June 16, 1963.  
 KAHNE, STEPHEN J., Research Associate in the Coordinated Science Laboratory and Instructor in Electrical Engineering—resignation effective June 16, 1963.  
 KOENIG, THOMAS W., National Science Foundation Cooperative Fellow in Chemistry—resignation effective May 21, 1963.  
 LANGEBARTEL, RAY G., Associate Professor of Mathematics, Summer Session of 1963—declination effective June 17, 1963.

- LARSON, CARL M., Assistant Professor in Marketing, Summer Session of 1963 — resignation effective June 21, 1963.
- LINDERHOLM, CARL E., Instructor in Mathematics, Summer Session of 1963 — declination effective June 17, 1963.
- LOTHIAN, THOMAS A., Assistant in Physical Sciences (Chicago Undergraduate Division), Summer Session of 1963 — declination effective June 21, 1963.
- MACHIN, JOHN H., JR., Assistant Professor of English (Chicago Undergraduate Division), Summer Session of 1963 — declination effective June 21, 1963.
- MANDY, WILLIAM J., United States Public Health Service Fellow (Trainee) in Microbiology — resignation effective June 1, 1963.
- MARIS, THEODORE A. J., Professor of Physics — resignation effective June 1, 1963.
- MATLAW, RALPH E., Associate Professor of Russian and Head of the Department — resignation effective September 1, 1963; and Associate Professor of Russian, Summer Session of 1963 — resignation effective June 17, 1963.
- MAYOH, BRIAN H., Continental Oil Company Fellow in Mathematics — resignation effective September 16, 1963.
- MCCABE, NANCIE M., Research Assistant in Chemistry — resignation effective June 15, 1963.
- MCCUIRE, EDWARD, Research Assistant in Biological Chemistry (Medicine) — resignation effective May 15, 1963.
- MENDEL, GISELA, Research Associate in Psychiatry (Medicine) — resignation effective May 1, 1963.
- MUHLSTADT, WILLIAM J., Assistant in Ceramic Engineering — resignation effective May 1, 1963.
- MUNDAY, JOHN C., JR., United States Public Health Service Fellow (Trainee) in Biophysics — resignation effective June 16, 1963.
- ONANIAN, EDWARD D., Research Associate in the Bureau of Economic and Business Research — resignation effective June 22, 1963.
- OTIS, JACK, Associate Professor of Hygiene and Psychiatric Social Work Supervisor in the Health Service — resignation effective September 1, 1963.
- PATTON, FRANKLIN D., Assistant in Geology, Summer Session of 1963 — resignation effective June 17, 1963.
- PINKERTON, MARY, Research Assistant in Chemistry — resignation effective June 9, 1963.
- PORTER, JAMES A., JR., Instructor in Veterinary Pathology and Hygiene — resignation effective June 16, 1963.
- RAKOVE, MILTON L., Assistant Professor of Political Science (Chicago Undergraduate Division), Summer Session of 1963 — resignation effective June 21, 1963.
- ROHRS, LEONARD J., Professor of Air Force Science and Head of the Department — resignation effective March 1, 1963.
- ROSENKRANZ, WILBUR K., Circulation Assistant in the Library — resignation effective June 16, 1963.
- ROTHMAN, NEAL J., Assistant Professor of Mathematics, Summer Session of 1963 — resignation effective June 17, 1963.
- RURIK, ELEANOR, Registered Pharmacist (Pharmacy) — resignation effective June 24, 1963.
- SACKHEIM, GEORGE I., Instructor in Physical Sciences (Chicago Undergraduate Division), Summer Session of 1963 — resignation effective June 21, 1963.
- SCHNOBRICH, WILLIAM C., Assistant Professor of Civil Engineering, Summer Session of 1963 — resignation effective June 17, 1963.
- SHAW, PAUL V., American Oil Foundation Fellow in Chemical Engineering — resignation effective April 1, 1963.
- SPAULDING, ROBERT L., Assistant Professor of Education — resignation effective September 1, 1963.
- SPENCE, CLARK C., Associate Professor of History, Summer Session of 1963 — resignation effective June 17, 1963.
- STEBEN, JOHN D., National Science Foundation Cooperative Fellow in Physics — resignation effective June 1, 1963.
- STONECIPHER, A. KEITH, Instructor in Civil Engineering — resignation effective September 1, 1963.
- STROM, CHARLES R., Teaching Fellow in Aeronautical and Astronautical Engineering — resignation effective June 16, 1963.



- TRUSS, HILMAN L., JR., Registered Pharmacist in Hospital Pharmacy (Pharmacy) — resignation effective May 10, 1963.
- ULLOA, MARGOT, Professor of Operative Dentistry (Dentistry) — resignation effective September 1, 1963.
- VASIL, INDRA K., Research Associate in Botany — resignation effective July 1, 1963.
- VESTLING, CARL S., Professor of Biochemistry — resignation effective September 1, 1963.
- VINCI, ANTHONY J., Assistant Professor of Hygiene and Staff Physician in the Health Center and McKinley Hospital — resignation effective September 1, 1963.
- WEICHSEL, PAUL M., Assistant Professor of Mathematics, Summer Session of 1963 — declination effective June 17, 1963.
- WHITE, JOSEPH, Assistant in Zoology, Summer Session of 1963 — resignation effective June 17, 1963.
- WILSON, ROBERT G., Registered Pharmacist in Hospital Pharmacy, Research and Educational Hospitals (Pharmacy) — resignation effective June 15, 1963.
- WINIARSKI, GENEVIEVE C., United States Public Health Service Fellow (Trainee) in Physiology — termination effective March 16, 1963.
- ZARGHAMEE, MEHDI S., Fellow in Civil Engineering — resignation effective June 16, 1963.

#### LEAVES OF ABSENCE

- CRIGGEE, LUTZ, Research Assistant Professor of Physics — leave of absence, without pay, for one month from July 1, 1963, so that he may travel to Europe.
- HALL, CLEO, Assistant Professor of Cooperative Extension and Assistant State Leader of Home Advisers — leave of absence, without pay, for one year from July 1, 1963, so that she may complete a dissertation and other work toward a Ph.D. degree in Adult Education at the University of Chicago.
- KARLOWICH, ROBERT A., Bibliographer in the Library, with rank of Assistant Professor — leave of absence on three-fourths time, without pay, extended from May 1 through June 11, 1963.
- KHACHATURIAN, NARBAY, Professor of Civil Engineering, in the College of Engineering — leave of absence, without pay, for twelve months from September 1, 1963, for the purpose of study and research at the University of California, at Los Angeles, on a National Science Foundation Senior Postdoctoral Fellowship.
- LATHROPE, DONALD E., Associate Professor of Social Work — leave of absence, without pay, for one year from September 1, 1963, so that he may accept a temporary professional assignment in New York City with a project sponsored by the President's Committee on Youth Crime and Delinquency.
- LEVINE, SOLOMON, Professor of Labor and Industrial Relations — leave of absence, without pay, from September 1, 1962, through July 11, 1963 (supersedes previous leave).
- LEWIS, WALTER H., Associate Professor of Architecture — leave of absence, without pay, for one year from September 1, 1963, for the purpose of accepting a temporary, professional assignment outside the University, working for the United States Savings and Loan League.
- LICHTENBERGER, W. WAYNE, Assistant Professor of Electrical Engineering and Research Assistant Professor in the Coordinated Science Laboratory — leave of absence, without pay, for one year from September 1, 1963, so that he may serve as a Visiting Professor in the Department of Electrical Engineering at the University of California, at Berkeley.
- LOFTUS, BEVERLY G., Assistant Editor in the Graduate College — leave of absence, without pay, from July 5 and continuing through July 26, 1963.
- NIMS, JOHN F., Professor of English — leave of absence, without pay, from March 1 through August 31, 1964, so that he may accept a position as a Visiting Professor at Harvard University during that period.
- POWELL, JAMES M., Assistant Professor of History in the Division of General Studies — leave of absence, without pay, for one year from September 1, 1963, so that he may serve as Visiting Lecturer in Medieval History at the University of Wisconsin, at Milwaukee.

- PUNDT, HERMAN G., Instructor in Architecture — leave of absence, without pay, for the second semester of the academic year 1963-64, for the purpose of doing graduate study at Harvard University.
- REESE, MARY C., Associate Professor of Social Work — leave of absence, without pay, for one year from September 1, 1963, for the purpose of study at Smith College School for Social Work.
- SCHMITT, HOMER C., Professor of Music and Artist in Residence — leave of absence on account of illness, with full pay, from April 19 through August 31, 1963.
- SMITH, ROBERT J., Professor of Architecture — disability leave of absence, with full pay, extended to March 14, 1963.

#### EXECUTIVE SESSION

President Clement announced that an executive session has been requested and was being ordered for consideration of reports and recommendations relating to patentable inventions and property acquisitions; and that this session would be held after luncheon recess.

On motion of Mrs. Watkins, the Board recessed.

During the recess, a number of prominent citizens of Peoria were guests of the Board at luncheon and were introduced.

When the Board reconvened in executive session, the same members of the Board and officers of the University were present as reported at the beginning of these minutes.

The Board took up consideration of the following items of business.

#### RECOMMENDATION OF THE UNIVERSITY PATENT COMMITTEE

(1) The University Patent Committee submits, with the concurrence of the Chairman of the University Research Board, the following recommendation relating to an invention by members of the staff.

Over the past five years, ten patentable inventions have been developed in the Antenna Laboratory of the Department of Electrical Engineering. The inventors are Robert L. Carrel, former Research Assistant and Research Associate in Electrical Engineering (1955-60); R. H. DuHamel, former Research Assistant in Electrical Engineering (1947-50, 1952-56); D. E. Isbell, former Antenna Technician in Electrical Engineering (1957-59); John D. Dyson, Associate Professor of Electrical Engineering; and Paul E. Mayes, Associate Professor of Electrical Engineering. The rights of the University in these inventions have been transferred to the University of Illinois Foundation. The Foundation has applied for and obtained patents on certain of the inventions and has negotiated with the JFD Electronics Corporation, Brooklyn, New York, for the marketing of an antenna, which to some degree is based upon or includes certain novel features stated in all the inventions involved. It appears that income on licenses will be received from the JFD Electronics Corporation.

Based on information from the Department of Electrical Engineering concerning the degree of contribution of the inventors to the final product, the Patent Committee recommends that:

All income received on these antenna patents be pooled; and patent and development expenses incurred by the Foundation, past and future, be reimbursed or paid from such pooled sum.

After allowing for all expenses, 20 per cent of the amount thus received be allocated for payment to the inventors and 80 per cent be retained by the University of Illinois Foundation for its chartered purposes.

For the present, the sum allocated to the inventors be distributed: Robert L. Carrel, one-ninth; R. H. DuHamel, one-ninth; John D. Dyson, two-ninths; D. E. Isbell, two-ninths; and Paul E. Mayes, three-ninths.

It should be recognized, when approving the distributions to the inventors, that in all likelihood there will be additional inventions in the future further contributing to the improvement of the antenna being developed and marketed and that, accordingly, changes in or additions to the percentage distribution to the inventors may be necessary.

The Patent Committee therefore recommends approval by the Board of

Trustees of the stated percentage of allocation between the inventors and the University of Illinois Foundation and the percentage distribution of the sum allocated to the inventors, with the right of future revision as may be required to maintain the equities of the inventors involved.

I concur in this recommendation.

On motion of Mr. Swain, this recommendation was approved.

#### PURCHASE OF PROPERTIES

(2) The Director of the Physical Plant and the Vice-President and Comptroller recommend purchase, at the prices indicated, of the following properties needed to complete acquisition of a site for a graduate students residence hall:

- |  |          |
|--|----------|
| 409 East Daniel Street, Champaign.....   | \$38 000 |
| A three-story and basement frame rooming house on a lot 57 feet by 173.25 feet. The owner will give immediate possession to the land required for construction south of the existing improvement and will give possession of the remaining part not later than July 1, 1965.                   |          |
| 402 East Chalmers Street, Champaign.....   | 35 000   |
| A three-story and basement frame house on a corner lot 51.5 feet on Chalmers Street, by 116.24 feet. Possession will be delivered to the University no sooner than February 1, 1964, nor later than September 1, 1964, dependent on the scheduled start of construction of the residence hall. |          |

Funds are available in the state capital appropriations to the University from the 1961-63 Bond Issue and have been released.

The prices are consistent with the recommendations for the acquisition of these properties which have previously been submitted to and concurred in by the Committee on Buildings and Grounds.

The Board of Trustees, on February 20, 1963, authorized condemnation proceedings for acquisition of the property at 402 East Chalmers Street, Champaign, because the asking price was in excess of University appraisals. Through subsequent negotiations, the price indicated has been agreed upon, and it is within the limit authorized by the Committee on Buildings and Grounds. This price also appears to be the lowest at which the property can be acquired without condemnation proceedings.

I recommend authorization of these purchases; and further recommend that the Board rescind its resolution of February 20, 1963, with respect to condemnation proceedings for acquisition of the property at 402 East Chalmers Street, Champaign.

On motion of Mr. Pogue, the purchases of these properties, at the prices recommended, were authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner, Mr. Page.

#### ACQUISITION OF PROPERTY AT 1304 WEST STOUGHTON STREET, URBANA, ILLINOIS

(3) University representatives have been negotiating for the purchase of the property at 1304 West Stoughton Street, Urbana, a lot 40 feet by 132 feet (5,280 square feet) with a two and one-half story and basement frame building now used for apartments and for student rooms. The land is needed as part of the site for College of Engineering buildings, and specifically for the new Civil Engineering Building.

The owners were advised that a recommendation would be made to the Board of Trustees for the purchase of the property at a price of \$23,140, based on University appraisals, but the offer is not acceptable and the asking price remains substantially in excess of the highest University appraisal.

The Director of the Physical Plant and the Vice-President and Comptroller recommend that the Board of Trustees authorize condemnation proceedings for the acquisition of the property.

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released.

I concur and recommend adoption of the following resolution:

**Resolution Authorizing Condemnation of Property  
at 1304 West Stoughton Street, Urbana, Illinois**

*Be It, and It Is Hereby Resolved, Found, and Declared* by this Board of Trustees of The Board of Trustees of the University of Illinois, a body corporate and politic and a public corporation of the State of Illinois, that the following-described real estate situated in the County of Champaign, in the State of Illinois, to-wit:

The East Twenty-two (22) Feet of Lot Nine (9) in Block Fifty-one (51) of the Seminary Addition to Urbana, and the West Eighteen (18) Feet of Lot Ten (10) in Block Fifty-one (51) in the Seminary Addition to Urbana, situated in the City of Urbana, in the County of Champaign, in the State of Illinois:

is needed by the University of Illinois, an educational institution established and supported by the State of Illinois, for expansion of the facilities of the College of Engineering, as a site for a Civil Engineering Building addition, and for related educational purposes conducted and to be conducted by said University of Illinois and for the further expansion of the educational facilities of said University of Illinois and to enable said University of Illinois to discharge its duty to the people of said State and for public use; that funds have been appropriated by the General Assembly of the State of Illinois for the purchase of said land for said educational purposes; that this Board of Trustees has negotiated with the owners of said land through their duly authorized representatives for the purchase of said land at a price which this Board of Trustees considers fair and reasonable and which it finds constitutes the present market value of said land, but that said owner has refused to sell and convey said land, or any portion thereof, to said The Board of Trustees of the University of Illinois for such price and continues to refuse to sell and convey the same to it except for a consideration and price which this Board of Trustees deems unreasonable and excessive and is, therefore, unwilling and has refused to pay; and

*Be It, and It Is Hereby Further Resolved, Found, and Declared* by this Board of Trustees of The Board of Trustees of the University of Illinois that the compensation to be paid by it for said land cannot be agreed upon between this Board of Trustees and the owners of said property and they and it are unable to agree upon the purchase price to be paid to said owners for the sale and conveyance of said land by said owners thereof to said The Board of Trustees of the University of Illinois; and

*Therefore, Be It, and It Is Hereby Further Resolved, Found, and Declared* by this Board of Trustees of The Board of Trustees of the University of Illinois that because of said need of the University of Illinois for said land for the purposes hereinabove set forth and because the compensation to be paid to the owners thereof for such land cannot be agreed upon between them and this Board of Trustees, it is necessary for The Board of Trustees of the University of Illinois to take said land and acquire title thereto through the exercise by it of the right of eminent domain conferred upon it by law and to have the compensation to be paid by it to the owners thereof and any and all other persons who may have any right, title or interest in and to said land determined in the manner provided by law for the exercise of said right and power of eminent domain; and

*Be It, and It Is Hereby Further Resolved* by this Board of Trustees of The Board of Trustees of the University of Illinois that the necessary and appropriate action be taken for the acquisition of title to said property by said The Board of Trustees of the University of Illinois and to have the compensation to be paid therefor determined by the institution and prosecution to completion of a proceeding in eminent domain in a court of competent jurisdiction and that the Legal Counsel of the University be, and he is hereby, authorized to proceed accordingly, to institute and prosecute an eminent domain proceeding in the name and on behalf of The Board of Trustees of the University of Illinois for the acquisition of said land and the determination of the compensation to be paid by it therefor, and to employ such special legal counsel, appraisers, and others as he may deem necessary or desirable to assist him in the institution and prosecution of said proceeding.

On motion of Mr. Pogue, the foregoing resolution was adopted by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston,

Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner, Mr. Page.

**ACQUISITION OF PROPERTY AT 1103 WEST SPRINGFIELD AVENUE,  
URBANA, ILLINOIS**

(4) University representatives have been negotiating for the purchase of the property at 1103 West Springfield Avenue, Urbana, a lot 49.5 feet by 132 feet (6,534 square feet) with a two-story and basement stucco house used as a residence by the owner and student rooms. The land is needed as part of the site for construction of the next unit of the Coordinated Sciences Laboratory.

The owners were advised that a recommendation would be made to the Board of Trustees for the purchase of the property at a price of \$28,800, based on University appraisals, but the offer is not acceptable and the asking price remains substantially in excess of the highest University appraisal.

The Director of the Physical Plant and the Vice-President and Comptroller recommend that the Board of Trustees authorize condemnation proceedings for the acquisition of the property.

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released.

I concur and recommend adoption of the following resolution:

**Resolution Authorizing Condemnation of Property  
at 1103 West Springfield Avenue, Urbana, Illinois**

*Be It, and It Is Hereby Resolved, Found, and Declared* by this Board of Trustees of The Board of Trustees of the University of Illinois, a body corporate and politic and a public corporation of the State of Illinois, that the following-described real estate situated in the County of Champaign, in the State of Illinois, to-wit:

The East One-half ( $\frac{1}{2}$ ) of Lot Five (5) and the West One-quarter ( $\frac{1}{4}$ ) of Lot Six (6) in Block Five (5) in the Urbana Railroad Company's Addition to the City of Urbana, situated in the City of Urbana, in the County of Champaign, and State of Illinois:

is needed by the University of Illinois, an educational institution established and supported by the State of Illinois, for use as part of the site for construction of the next unit of the Coordinated Science Laboratory, and for related educational purposes conducted and to be conducted by said University of Illinois and for the further expansion of the educational facilities of said University of Illinois and to enable said University of Illinois to discharge its duty to the people of said State and for public use; that funds have been appropriated by the General Assembly of the State of Illinois for the purchase of said land for said educational purposes; that this Board of Trustees has negotiated with the owners of said land through their duly authorized representatives for the purchase of said land at a price which this Board of Trustees considers fair and reasonable and which it finds constitutes the present market value of said land, but that said owner has refused to sell and convey said land, or any portion thereof, to said The Board of Trustees of the University of Illinois for such price and continues to refuse to sell and convey the same to it except for a consideration and price which this Board of Trustees deems unreasonable and excessive and is, therefore, unwilling and has refused to pay; and

*Be It, and It Is Hereby Further Resolved, Found, and Declared* by this Board of Trustees of The Board of Trustees of the University of Illinois that the compensation to be paid by it for said land cannot be agreed upon between this Board of Trustees and the owners of said property and they and it are unable to agree upon the purchase price to be paid to said owners for the sale and conveyance of said land by said owners thereof to said The Board of Trustees of the University of Illinois; and

*Therefore, Be It, and It Is Hereby Further Resolved, Found, and Declared* by this Board of Trustees of The Board of Trustees of the University of Illinois that because of said need of the University of Illinois for said land for the purposes hereinabove set forth and because the compensation to be paid to the owners thereof for such land cannot be agreed upon between them and this Board of Trustees, it is necessary for The Board of Trustees of the University of Illinois to take said land and acquire title thereto through the exercise by it of the right

of eminent domain conferred upon it by law and to have the compensation to be paid by it to the owners thereof and any and all other persons who may have any right, title or interest in and to said land determined in the manner provided by law for the exercise of said right and power of eminent domain; and

*Be It, and It Is Hereby Further Resolved* by this Board of Trustees of The Board of Trustees of the University of Illinois that the necessary and appropriate action be taken for the acquisition of title to said property by said The Board of Trustees of the University of Illinois and to have the compensation to be paid therefor determined by the institution and prosecution to completion of a proceeding in eminent domain in a court of competent jurisdiction and that the Legal Counsel of the University be, and he is hereby, authorized to proceed accordingly, to institute and prosecute an eminent domain proceeding in the name and on behalf of The Board of Trustees of the University of Illinois for the acquisition of said land and the determination of the compensation to be paid by it therefor, and to employ such special legal counsel, appraisers, and others as he may deem necessary or desirable to assist him in the institution and prosecution of said proceeding.

On motion of Mr. Pogue, the foregoing resolution was authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner, Mr. Page.

#### **ACQUISITION OF PROPERTY AT 1103½ WEST SPRINGFIELD AVENUE, URBANA, ILLINOIS**

(5) University representatives have been negotiating for the purchase of the property at 1103½ West Springfield Avenue, Urbana, a lot 30 feet by 132 feet (3,960 square feet) improved with a two-story and basement frame dwelling. The land is needed as part of the site for construction of the next unit of the Coordinated Sciences Laboratory.

The owners were advised that a recommendation would be made to the Board of Trustees for the purchase of the property at a price of \$17,500, based on University appraisals, but the offer is not acceptable and the asking price remains substantially in excess of the highest University appraisal.

The Director of the Physical Plant and the Vice-President and Comptroller recommend that the Board of Trustees authorize condemnation proceedings for the acquisition of the property.

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released.

I concur and recommend adoption of the following resolution:

#### **Resolution Authorizing Condemnation of Property at 1103½ West Springfield Avenue, Urbana, Illinois**

*Be It, and It Is Hereby Resolved, Found, and Declared* by this Board of Trustees of The Board of Trustees of the University of Illinois, a body corporate and politic and a public corporation of the State of Illinois, that the following-described real estate situated in the County of Champaign, in the State of Illinois, to-wit:

The East Thirty (30) Feet of the West One-half (½) of Lot Five (5) in Block Five (5) in the Urbana Railroad Company's Addition to the City of Urbana, situated in the City of Urbana, in the County of Champaign, and State of Illinois:

is needed by the University of Illinois, an educational institution established and supported by the State of Illinois, for use as part of the site for construction of the next unit of the Coordinated Science Laboratory, and for related educational purposes conducted and to be conducted by said University of Illinois and for the further expansion of the educational facilities of said University of Illinois and to enable said University of Illinois to discharge its duty to the people of said State and for public use, that funds have been appropriated by the General Assembly of the State of Illinois for the purchase of said land for said educational purposes; that this Board of Trustees has negotiated with the owners of said land through their duly authorized representatives for the purchase of said land at a price which

this Board of Trustees considers fair and reasonable and which it finds constitutes the present market value of said land, but that said owner has refused to sell and convey said land, or any portion thereof, to said The Board of Trustees of the University of Illinois for such price and continues to refuse to sell and convey the same to it except for a consideration and price which this Board of Trustees deems unreasonable and excessive and is, therefore, unwilling and has refused to pay; and

*Be It, and It Is Hereby Further Resolved, Found, and Declared* by this Board of Trustees of The Board of Trustees of the University of Illinois that the compensation to be paid by it for said land cannot be agreed upon between this Board of Trustees and the owners of said property and they and it are unable to agree upon the purchase price to be paid to said owners for the sale and conveyance of said land by said owners thereof to said The Board of Trustees of the University of Illinois; and

*Therefore, Be It, and It Is Hereby Further Resolved, Found, and Declared* by this Board of Trustees of The Board of Trustees of the University of Illinois that because of said need of the University of Illinois for said land for the purposes hereinabove set forth and because the compensation to be paid to the owners thereof for such land cannot be agreed upon between them and this Board of Trustees, it is necessary for The Board of Trustees of the University of Illinois to take said land and acquire title thereto through the exercise by it of the right of eminent domain conferred upon it by law and to have the compensation to be paid by it to the owners thereof and any and all other persons who may have any right, title or interest in and to said land determined in the manner provided by law for the exercise of said right and power of eminent domain; and

*Be It, and It Is Hereby Further Resolved* by this Board of Trustees of The Board of Trustees of the University of Illinois that the necessary and appropriate action be taken for the acquisition of title to said property by said The Board of Trustees of the University of Illinois and to have the compensation to be paid therefor determined by the institution and prosecution to completion of a proceeding in eminent domain in a court of competent jurisdiction and that the Legal Counsel of the University be, and he is hereby, authorized to proceed accordingly, to institute and prosecute an eminent domain proceeding in the name and on behalf of The Board of Trustees of the University of Illinois for the acquisition of said land and the determination of the compensation to be paid by it therefor, and to employ such special legal counsel, appraisers, and others as he may deem necessary or desirable to assist him in the institution and prosecution of said proceeding.

On motion of Mr. Pogue, the foregoing resolution was authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none, absent, Mr. Hughes, Mr. Kerner, Mr. Page.

#### ACQUISITION OF PROPERTY AT 1206 WEST OREGON STREET, URBANA, ILLINOIS

(6) University representatives have been negotiating for the purchase of the property at 1206 West Oregon Street, Urbana, a lot 57 feet by 157 feet (8,949 square feet) with a three-story and basement frame dwelling now used as an apartment and student rooms. The land is needed as part of the site for the new East Chemistry Building Addition.

The owners were advised that a recommendation would be made to the Board of Trustees for the purchase of the property at a price of \$36,000, based on University appraisals, but the offer is not acceptable and the asking price of \$40,000 is in excess of the highest University appraisal.

The Director of the Physical Plant and the Vice-President and Comptroller recommend that the Board of Trustees authorize condemnation proceedings for the acquisition of the property.

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released.

I concur and recommend adoption of the following resolution:

**Resolution Authorizing Condemnation of Property  
at 1206 West Oregon Street, Urbana, Illinois**

*Be It, and It Is Hereby Resolved, Found, and Declared* by this Board of Trustees of The Board of Trustees of the University of Illinois, a body corporate and politic and a public corporation of the State of Illinois, that the following-described real estate situated in the County of Champaign, in the State of Illinois, to-wit:

All of Lot Eight (8) except the West Fifty (50) Feet of said Lot Eight (8) and all of Lot Nine (9) except the East Thirty-eight (38) Feet of said Lot Nine (9) in Block Two (2) of Nina B. Bronson's Subdivision of the East One-half ( $\frac{1}{2}$ ) of the Southwest Quarter ( $\frac{1}{4}$ ) of the Northeast Quarter ( $\frac{1}{4}$ ) of Section Eighteen (18), Township 19 North, Range 9 East, of the 3rd Principal Meridian, situated in the City of Urbana, in the County of Champaign, and State of Illinois:

is needed by the University of Illinois, an educational institution established and supported by the State of Illinois, for use as part of the site for the new East Chemistry Building Addition, and for related educational purposes conducted and to be conducted by said University of Illinois and for the further expansion of the educational facilities of said University of Illinois and to enable said University of Illinois to discharge its duty to the people of said State and for public use; that funds have been appropriated by the General Assembly of the State of Illinois for the purchase of said land for said educational purposes; that this Board of Trustees has negotiated with the owners of said land through their duly authorized representatives for the purchase of said land at a price which this Board of Trustees considers fair and reasonable and which it finds constitutes the present market value of said land, but that said owner has refused to sell and convey said land, or any portion thereof, to said The Board of Trustees of the University of Illinois for such price and continues to refuse to sell and convey the same to it except for a consideration and price which this Board of Trustees deems unreasonable and excessive and is, therefore, unwilling and has refused to pay; and

*Be It, and It Is Hereby Further Resolved, Found, and Declared* by this Board of Trustees of The Board of Trustees of the University of Illinois that the compensation to be paid by it for said land cannot be agreed upon between this Board of Trustees and the owners of said property and they and it are unable to agree upon the purchase price to be paid to said owners for the sale and conveyance of said land by said owners thereof to said The Board of Trustees of the University of Illinois; and

*Therefore, Be It, and It Is Hereby Further Resolved, Found, and Declared* by this Board of Trustees of The Board of Trustees of the University of Illinois that because of said need of the University of Illinois for said land for the purposes hereinabove set forth and because the compensation to be paid to the owners thereof for such land cannot be agreed upon between them and this Board of Trustees, it is necessary for The Board of Trustees of the University of Illinois to take said land and acquire title thereto through the exercise by it of the right of eminent domain conferred upon it by law and to have the compensation to be paid by it to the owners thereof and any and all other persons who may have any right, title or interest in and to said land determined in the manner provided by law for the exercise of said right and power of eminent domain; and

*Be It, and It Is Hereby Further Resolved* by this Board of Trustees of The Board of Trustees of the University of Illinois that the necessary and appropriate action be taken for the acquisition of title to said property by said The Board of Trustees of the University of Illinois and to have the compensation to be paid therefor determined by the institution and prosecution to completion of a proceeding in eminent domain in a court of competent jurisdiction and that the Legal Counsel of the University be, and he is hereby, authorized to proceed accordingly, to institute and prosecute an eminent domain proceeding in the name and on behalf of The Board of Trustees of the University of Illinois for the acquisition of said land and the determination of the compensation to be paid by it therefor, and to employ such special legal counsel, appraisers, and others as he may deem necessary or desirable to assist him in the institution and prosecution of said proceeding.



On motion of Mr. Pogue, the foregoing resolution was authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner, Mr. Page.

**ACQUISITION OF PROPERTY AT 1303 WEST STOUGHTON STREET,  
URBANA, ILLINOIS**

(7) University representatives have been negotiating for the purchase of the property at 1303 West Stoughton Street, Urbana, a lot 66 feet by 100 feet (6,600 square feet) improved with a one-story, two-apartment-unit frame dwelling. The land is needed as part of the site for the proposed Mathematics Building.

The owners were advised that a recommendation would be made to the Board of Trustees for the purchase of the property at a price of \$16,000, based on University appraisals, but the offer is not acceptable and the asking price remains substantially in excess of the highest University appraisal.

The Director of the Physical Plant and the Vice-President and Comptroller recommend that the Board of Trustees authorize condemnation proceedings for the acquisition of the property.

Funds are available in the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released.

I concur and recommend adoption of the following resolution:

**Resolution Authorizing Condemnation of Property  
at 1303 West Stoughton Street, Urbana, Illinois**

*Be It, and It Is Hereby Resolved, Found, and Declared* by this Board of Trustees of The Board of Trustees of the University of Illinois, a body corporate and politic and a public corporation of the State of Illinois, that the following-described real estate situated in the County of Champaign, in the State of Illinois, to-wit:

Lot Two (2) in Block Fifty-four (54) of the Seminary Addition to the City of Urbana, situated in the City of Urbana, in the County of Champaign, and State of Illinois:

is needed by the University of Illinois, an educational institution established and supported by the State of Illinois, for use as part of the site for the proposed Mathematics Building, and for related educational purposes conducted and to be conducted by said University of Illinois and for the further expansion of the educational facilities of said University of Illinois and to enable said University of Illinois to discharge its duty to the people of said State and for public use; that funds have been appropriated by the General Assembly of the State of Illinois for the purchase of said land for said educational purposes; that this Board of Trustees has negotiated with the owners of said land through their duly authorized representatives for the purchase of said land at a price which this Board of Trustees considers fair and reasonable and which it finds constitutes the present market value of said land, but that said owner has refused to sell and convey said land, or any portion thereof, to said The Board of Trustees of the University of Illinois for such price and continues to refuse to sell and convey the same to it except for a consideration and price which this Board of Trustees deems unreasonable and excessive and is, therefore, unwilling and has refused to pay; and

*Be It, and It Is Hereby Further Resolved, Found, and Declared* by this Board of Trustees of The Board of Trustees of the University of Illinois that the compensation to be paid by it for said land cannot be agreed upon between this Board of Trustees and the owners of said property and they and it are unable to agree upon the purchase price to be paid to said owners for the sale and conveyance of said land by said owners thereof to said The Board of Trustees of the University of Illinois; and

*Therefore, Be It, and It Is Hereby Further Resolved, Found, and Declared* by this Board of Trustees of The Board of Trustees of the University of Illinois that because of said need of the University of Illinois for said land for the purposes hereinabove set forth and because the compensation to be paid to the owners thereof for such land cannot be agreed upon between them and this Board of Trustees, it is necessary for The Board of Trustees of the University of Illinois

to take said land and acquire title thereto through the exercise by it of the right of eminent domain conferred upon it by law and to have the compensation to be paid by it to the owners thereof and any and all other persons who may have any right, title or interest in and to said land determined in the manner provided by law for the exercise of said right and power of eminent domain; and

*Be It, and It Is Hereby Further Resolved* by this Board of Trustees of The Board of Trustees of the University of Illinois that the necessary and appropriate action be taken for the acquisition of title to said property by said The Board of Trustees of the University of Illinois and to have the compensation to be paid therefor determined by the institution and prosecution to completion of a proceeding in eminent domain in a court of competent jurisdiction and that the Legal Counsel of the University be, and he is hereby, authorized to proceed accordingly, to institute and prosecute an eminent domain proceeding in the name and on behalf of The Board of Trustees of the University of Illinois for the acquisition of said land and the determination of the compensation to be paid by it therefor, and to employ such special legal counsel, appraisers, and others as he may deem necessary or desirable to assist him in the institution and prosecution of said proceeding.

On motion of Mr. Pogue, the foregoing resolution was authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner, Mr. Page.

**PURCHASE OF PROPERTY AT 307 EAST DANIEL STREET,  
CHAMPAIGN, ILLINOIS, AND APPROPRIATION FOR REMODELING**

(8) The Director of the Physical Plant and the Vice-President and Comptroller recommend the purchase of the property at 307 East Daniel Street, Champaign, at a price of \$38,000, for the replacement of a women's cooperative house located at 1210 West Springfield Avenue, Urbana, Illinois, which is needed for office space. The property consists of a lot 64 feet wide by 146 feet deep and is improved with a two and one-half story and basement frame dwelling used as an apartment and student rooming house.

Funds are available in the state capital appropriations to the University from the Universities Building Fund and have been released.

The price is within \$200 of the appraised value of the house but represents a decrease of approximately \$4,000 in the price previously asked by the owner.

It is further recommended that \$12,000 be assigned from general indirect costs for the remodeling of 307 East Daniel Street, Champaign, Illinois.

I concur.

On motion of Mr. Pogue, the purchase of this property, at the price recommended, and the requested assignment of funds were authorized by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner, Mr. Page.

On motion of Mrs. Watkins, the Board adjourned.

A. J. JANATA  
*Secretary*

HOWARD W. CLEMENT  
*President*