

MEETING OF THE BOARD OF TRUSTEES
OF THE
UNIVERSITY OF ILLINOIS

May 17, 1961



The May meeting of the Board of Trustees of the University of Illinois was held in the Illini Union Building, Urbana, Illinois, on Wednesday, May 17, 1961, beginning at 9:30 a.m.

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

Also present were President David D. Henry, Vice-President and Provost Lyle H. Lanier, Professor Norman A. Parker, Vice-President for the Chicago Undergraduate Division, Executive Dean C. C. Caveny of the Chicago Undergraduate Division, Dr. J. S. Begando, Vice-President in charge of the Chicago Professional Colleges, Director C. S. Havens of the Physical Plant, Mr. C. E. Flynn, Assistant to the President and Director of Public Information, Mr. Ralph F. Lese-mann, Legal Counsel; and the officers of the Board, Mr. H. O. Farber, Comptroller, Mr. C. W. Weldon, Treasurer, and Mr. A. J. Janata, Secretary.

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.

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>
LEO JOSEPH DONOVAN	Normandy, Missouri	Missouri
RICHARD RALPH FAVOUR	Beloit, Wisconsin	Wisconsin
MICHAEL JOSEPH LESH	Downers Grove, Illinois	District of Columbia

I concur.

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

APPOINTMENT TO BOARD OF EXAMINERS IN ACCOUNTANCY

(2) The Committee on Accountancy recommends the appointment of Paul F. Johnson, Resident Partner of Ernst and Ernst, Certified Public Accountants, Chicago, to the Board of Examiners in Accountancy for a three-year term beginning July 1, 1961, to succeed Mr. Allen C. Howard whose term will expire on June 30.

I concur.

On motion of Mr. Harewood, this appointment was approved.

APPOINTMENTS TO THE FACULTY

(3) 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. JAMES G. COKE, Director of the Office of Community Development, and Associate Professor in the Institute of Government and Public Affairs, beginning September 1, 1961, at an annual salary of \$13,000 (DY; AY).
2. ANDREW V. GRANATO, Research Associate Professor of Physics, for two months from July 1, 1961, at a salary of \$2,222 (G); to be reappointed effective September 1, 1961, on indefinite tenure, at an annual salary of \$10,000.
3. HARRISON KANE, Assistant Professor of Civil Engineering, beginning September 1, 1961, at an annual salary of \$7,500 (B).
4. MRS. WINIFRED C. LADLEY, Associate Professor of Library Science, beginning September 1, 1961, at an annual salary of \$8,800 (B).
5. TOHRU MOTO-OKA, Visiting Research Assistant Professor in the Digital Computer Laboratory, for the academic year 1961-62, at a salary of \$8,000 (E).
6. HANS NOWOTNY, Visiting Professor of Physical Metallurgy, in the Department of Mining and Metallurgical Engineering, for one month from June 29, 1961, at a salary of \$1,200 (G).
7. JOHN R. PASTA, Research Professor of Physics, in the Digital Computer Laboratory and in the Department of Physics, beginning September 1, 1961, at an annual salary of \$15,500 (AY).
8. ROBERT L. SPAULDING, Assistant Professor of Education, beginning September 1, 1961, at an annual salary of \$8,000 (D).
9. RICHARD E. SPEECH, Assistant Professor of Sanitary Engineering, in the Department of Civil Engineering, beginning September 1, 1961, at an annual salary of \$7,500 (B).
10. CORA E. THOMASSEN, Assistant Professor of Library Science, beginning September 1, 1961, at an annual salary of \$7,000 (D).
11. WILLIAM J. GROVE, Associate Dean of the College of Medicine and Associate Professor of Surgery, beginning July 1, 1961, at an annual salary of \$19,000 (BY; AY).

Appointments to Nonacademic Staff

The Director of Nonacademic Personnel reports the following appointments to supervisory positions of upper-level responsibility.

1. CRAIG R. ALLEN, Electronics Engineer, Department of Electrical Engineering, beginning March 3, 1961, at an annual salary of \$7,800.
2. MARJORIE S. CAVANAH, Food Service Supervisor, Residence Halls, beginning March 7, 1961, at an annual salary of \$4,000.
3. GUST E. HERMANSON, Accountant II, Auditing Division, Chicago Professional Colleges, beginning February 1, 1961, at an annual salary of \$7,200.
4. ROBERT A. HOFFSWELL, Accelerator Engineer I, Physics Department, beginning March 1, 1961, at an annual salary of \$6,300.
5. PAUL E. DIXON, Associate Architect, Physical Plant Department, beginning March 3, 1961, at an annual salary of \$10,500.
6. OLIVIA R. MAGTIRA, Assistant Food Production Manager, Residence Halls, beginning February 24, 1961, at an annual salary of \$4,500.
7. KENNETH L. SEIB, Electronics Engineer, Department of Electrical Engineering, beginning March 20, 1961, at an annual salary of \$7,200.
8. JAMES W. WRIGHT, Electronics Engineer, Department of Electrical Engineering, beginning March 22, 1961, at an annual salary of \$7,500.

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

HONORARY DEGREES

(4) The Urbana-Champaign Senate has recommended awards of honorary degrees to the following:

- MARTIN PAUL CATHERWOOD, Doctor of Laws (LL.D.)
 HARRIS FRANCIS FLETCHER, Doctor of Letters (Litt.D.)
 LAWRENCE A. KIMPTON, Doctor of Laws (LL.D.)
 POLYKARP KUSCH, Doctor of Science (Sc.D.)
 SEWALL WRIGHT, Doctor of Science (Sc.D.)

I recommend approval of these degrees, to be conferred at the Commencement exercises at Urbana-Champaign on June 17, 1961, or at some other appropriate convocation thereafter if any of the recipients is unable to attend the June Commencement.

Submitted herewith are the formal nominations presented to the Senate for these degrees and copies are being filed with the Secretary of the Board for record.

On motion of Mr. Hughes, these degrees were authorized, as recommended.

INVITATION TO PRESIDENT TO VISIT BRITISH UNIVERSITIES

(5) I request the Board of Trustees to authorize my acceptance of an invitation to attend meetings of vice-chancellors of British universities in early July at Cambridge University, England, and to visit British universities during a three-week period following the Cambridge meeting.

The invitation has been presented through the Association of American Universities, and the presidents of ten member institutions of that Association will constitute the delegation.

The members of the delegation will have unusual opportunity to study British higher education and to bring back to their own institutions comparative information and insights from the experience.

The travel expense will be underwritten by the Carnegie Foundation of New York.

On motion of Mr. Harewood, the President's request was approved.

SUMMER SPEECH CLINIC WORK BY DIVISION OF SERVICES FOR CRIPPLED CHILDREN

(6) The Division of Services for Crippled Children has been supporting summer speech clinics in cooperation with higher educational institutions in several areas of the state. The patients are children who can not be given the necessary care in their communities and those selected represent some of the most complex speech rehabilitation problems and are cases afflicted with cerebral palsy, cleft

palate, and severe hearing loss. They are eligible for treatment under the program of the Division and are in need of speech treatment as an integral part of the complete medical care program. Cooperating institutions contribute their facilities and staff.

It is recommended that during the summer of 1961, speech clinics be authorized in the following institutions on a reimbursable cost basis, estimated as follows:

Augustana College, Rock Island.....	\$ 9 722 00
Northern Illinois University, DeKalb.....	10 246 55
Southern Illinois University, Carbondale.....	8 820 00
Illinois State Normal University, Normal.....	12 233 33
	\$41 021 88

A similar clinic will be conducted at the University of

Illinois at Urbana at an estimated cost of..... 15 148 75

Funds are available in the budget of the Division of Services for Crippled Children.

The Director of the Division of Services for Crippled Children, the Vice-President in charge of the Chicago Professional Colleges, and the Vice-President and Comptroller join in this recommendation.

I concur.

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

FEDERAL GRANT FOR REHABILITATION CENTER BUILDING

(7) The Vice-President and Provost and the Vice-President and Comptroller recommend that an application be submitted to the federal government for a grant of \$300,000 under the Hill-Burton Act, to provide for one-third of the cost of a new building for the Rehabilitation Center, and that the University of Illinois Foundation be requested to solicit gifts of \$300,000 to assist in financing the project. The remaining one-third would be provided from the capital appropriations to the University for the 1961-63 biennium.

I concur and recommend the adoption of the following resolution, which is necessary in connection with submitting the application:

Resolution

Resolved that H. O. Farber, Comptroller, and A. J. Janata, Secretary of the Board of Trustees of the University of Illinois, be and hereby are authorized to sign applications for grants-in-aid under the Illinois Hospital Construction program and Public Law 725 (The Hill-Burton Act) in connection with a grant for the building of a rehabilitation facility at the University of Illinois in Urbana-Champaign.

On motion of Mr. Hughes, this resolution was adopted.

GRANTS FOR CONSTRUCTION OF LABORATORY FOR DEPARTMENT OF FOOD TECHNOLOGY

(8) The University has received official notice from the Health Research Facilities Branch of the National Institutes of Health, United States Public Health Service, of approval of an application for a grant of \$400,000 to be used for the construction of the Burnside Research Laboratory at Urbana to be used for fundamental research programs related to lipid metabolism and nutrition in degenerative diseases. The grant is made on condition that it will be matched by an equal amount by the University to provide a total of \$800,000 for construction and equipment of the laboratory.

One-half of the University's contribution will be available in state appropriations from the proceeds of the Universities Bond Issue. The other half will be a private gift to the University for this project from Miss Ethel Burnside of Paris. Miss Burnside's attorney, Mr. Raymond I. Massey of the firm of Massey, Anderson, and Gibson, Paris, and an alumnus of the University of Illinois, has handled the legal arrangements for Miss Burnside's gift.

Operational programs aimed at the control and eradication of degenerative diseases have been hampered by earlier neglect in the area of basic research in lipid metabolism. In recognition of this need, the National Institutes of Health have supported research, and more recently training grants, in this general area. A training program in lipid metabolism and nutrition is presently active at the

University of Illinois under the direction of Dr. Fred A. Kummerow, Professor of Food Chemistry in the Department of Food Technology. The Illinois State Heart Association and the Edgar County Heart Unit have been interested in this field of research and were of great assistance to the University in obtaining the private grant.

The building will be approximately 20,000 square feet in size and will be constructed on Pennsylvania Avenue in the area assigned to the College of Agriculture.

President Henry introduced Professor Fred A. Kummerow of the Department of Food Technology who discussed the research program in which he and his colleagues are engaged and which will be housed in the Burnside Research Laboratory.

On motion of Mr. Swain, acceptance of these grants was authorized, and the Board recorded its deep appreciation of the generous gift of Miss Ethel Burnside.

ARCHITECTURAL SERVICES FOR RESEARCH LABORATORY FOR DEPARTMENT OF FOOD TECHNOLOGY

(9) On February 15, 1961, the Board of Trustees authorized the employment of Glenn G. Frazier and Associates, Architects, Urbana, at a fee of 6 per cent of construction costs for architectural and engineering services for a research laboratory for the Department of Food Technology. Because funds for the construction of the building are subject to availability of federal and other grants, the architectural services authorized were limited to preliminary studies until construction funds became available.

The preliminary studies have been completed and funds have now been assured to finance completion of the plans and specifications.

The Director of the Physical Plant and the Vice-President and Comptroller recommend that Glenn G. Frazier and Associates be authorized to complete plans and specifications.

I concur.

On motion of Mr. Hughes, these services were authorized.

CONTRACTS AND APPROPRIATION FOR INTERIOR REMODELING OF UNIVERSITY ARMORY

(10) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of the following contracts for interior remodeling in the Armory to provide space for the relocation of the offices now in the temporary Sixth Street Building, which will be razed to provide a site for the new College of Commerce and Business Administration Building, the award in each case being to the lowest bidder:

General — A. F. Krall Construction Company, Inc., Decatur	\$136 499
Base Bid	\$139 445
Additive Alternate: for removal of present concrete floor, to be replaced by new concrete floor	2 254
Deductive Alternates:	
For acceptance of alternate type of structural floor system	—2 000
For use of lath and plaster and steel stud construction instead of dry wall and steel stud construction	—3 200
Electrical — Downtown Electric, Urbana	47 325
Base Bid	\$ 46 325
Additive Alternate: for increase in capacity of electric transformer from 3 kva to 5 kva	1 000
Plumbing — Ralph Vancil, Inc., Cairo	15 052
Heating and Ventilating (combined contract) — R. H. Bishop Company, Champaign	112 230
Heating	\$ 99 410
Ventilating	12 820
Total Contracts	\$311 106

Submitted herewith is a report from the Physical Plant Department on this project, including a schedule of the bids received, a copy of which is being filed with the Secretary of the Board for record.

I concur and recommend an appropriation of \$363,000 be made from the General Reserve Fund for this project.

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

CONTRACTS FOR CONSTRUCTION OF PENNSYLVANIA AVENUE RESIDENCE HALLS

(11) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of contracts as follows for the construction of the Pennsylvania Avenue Residence Halls for Women in the area at the southwest corner of Pennsylvania and Lincoln Avenues in Urbana. The award in each case is to the lowest bidder.

General — Kuhne-Simmons Company, Inc., Champaign.....	\$3 064 065
Base Bid	\$3 069 900
Fee for supervision of other contractors.....	34 165
It is recommended that all mechanical contractors be assigned to the general contractor who will assume responsibility for the supervision and quality of their work, thus making the mechanical contractors subcontractors of the general contractor.	
Deductive Alternate: substitution of air-dried blocks for steam-cured as specified; air-dried blocks have been used in connection with Urbana construction...	—40 000
Electrical — Cunningham Electric Company, Anna.....	303 100
Base Bid	\$ 288 800
Additive Alternate: provision of two additional electrical convenience outlets in each study room throughout the building.....	14 300
Plumbing — Nu-Way Plumbing Service, Inc., Chicago.....	394 000
Heating — Economy Piping Contractors, Inc., Skokie.....	538 860
Ventilating — Montefusco Heating and Sheet Metal Company, Peoria..	144 899
Kitchen Equipment — Kuhne-Simmons Company, Inc., Champaign....	225 218
Total Contracts	\$4 670 142

Funds will be available to finance the construction of these halls from the proceeds of the revenue bonds which are being sold today.

Submitted herewith is a report from the Physical Plant Department on this project, including a schedule of the bids received, a copy of which is being filed with the Secretary of the Board for record.

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. Harewood, Mr. Hughes, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Johnston, Mr. Kerner, Mr. Wilkins.

CONTRACTS FOR CONSTRUCTION OF STUDENT SERVICES BUILDING

(12) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of the following contracts for construction of a Student Services Building on the north side of John Street immediately west of Illini Hall in Champaign to provide quarters for relocation of the Office of the Dean of Students and various subdivisions of that office, and for the Student Counseling Service. The award in each case is to the lowest bidder.

General — Kuhne-Simmons Company, Inc., Champaign.....	\$ 669 250
Base Bid	\$667 500

Additive Alternate: for reconstruction of sidewalks on north side of John Street required because of underground utilities installations.....			1 750
Electrical—Cunningham Electric Company, Anna.....			109 735
Plumbing—H. P. Reger and Company, Chicago.....			42 500
Heating—Ideal Heating Company, Chicago.....			159 333
Ventilating—R. H. Bishop Company, Champaign.....			54 360
Total Contracts			\$1 035 178

Funds will be available for the construction of the Student Services Building from the proceeds of the revenue bonds which are being sold today.

Submitted herewith is a report from the Physical Plant Department on this project, including a schedule of the bids received, a copy of which is being filed with the Secretary of the Board for record.

I concur.

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

CONTRACTS FOR CONSTRUCTION OF PHYSIOLOGY RESEARCH LABORATORY

(13) The Director of the Physical Plant and the Vice-President and Comptroller recommend awards of the following contracts for the construction of a Physiology Research Laboratory on the University's south farm, east of First Street and south of St. Mary's Road, the award in each case being to the lowest bidder: General—A. F. Krall Construction Company, Inc., Decatur.....\$ 35 238

Base Bid	\$ 33 572	
Additive Alternates:		
Ceramic tile walls in operating room and wash room....	976	
Quarry tile floor in operating room.....	690	
Electrical—Brunkow Electric Company, Champaign.....		8 438
Base Bid	\$ 7 588	
Additive Alternate: for lightning rods on building.....	850	
Plumbing—David W. Reichard Plumbing and Heating, Urbana.....		9 200
Base Bid	\$ 7 300	
Additive Alternate: for a still and associated piping to provide distilled water for research work.....	1 900	
Heating and Ventilating (combined contract)—Nogle and Black, Inc., Champaign		6 213
Heating.....	\$ 4 958	
Ventilating	1 255	
Total Contracts		\$ 59 089

Funds for this project are available in the following grants:

National Institutes of Health Grant No. RC 618.....	\$ 40 000
Moorman Manufacturing Company Grant.....	40 000
	\$ 80 000

Submitted herewith is a report from the Physical Plant Department on this project, including a schedule of the bids received, a copy of which is being filed with the Secretary of the Board for record.

I concur.

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

CONTRACT FOR FOOD SERVICE EQUIPMENT FOR ILLINI UNION ADDITION

(14) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for \$333,184.13 to Servco Equipment Company, St. Louis, Missouri, the lowest bidder, for food service equipment for the addition to the Illini Union Building.

Funds are available from the proceeds of the revenue bond issue to finance the construction of the Illini Union Building addition.

I concur.

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

CONTRACTS FOR FOOD SERVICE BUILDING FOR ORCHARD DOWNS HOUSING

(15) The Director of the Physical Plant and the Vice-President and Comptroller recommend awards of the following contracts to the lowest bidders for construction of a Food Service Building for the Orchard Downs Apartments:

General—L. E. DeVore Company, Decatur.....	\$ 86 649
Electrical—Neal Morton Electric, Champaign.....	11 716
Plumbing—Champaign Plumbing and Heating Company, Champaign...	17 295
Heating—F. R. Inskip and Company, Champaign.....	21 983
Ventilating—Petry Roofing and Sheet Metal Company, Champaign....	6 735
<i>Total Contracts</i>	\$144 378

Funds are available in Housing Division Reserves to finance the construction of this project.

Submitted herewith is a report from the Physical Plant Department on this project, including a schedule of the bids received, a copy of which is being filed with the Secretary of the Board for record.

I concur in these recommendations.

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

CONTRACT FOR ADDITIONS TO POWER PLANT

(16) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for \$424,375 to Daugherty Company, Inc., Chicago, the lowest bidder, for piping system and miscellaneous equipment and underground steam distribution piping system (Division "8-N") for additions to the Abbott Power Plant (Boiler No. 6, Unit No. 7).

Funds are available in the state appropriations to the University for 1959-61 and have been released.

Submitted herewith is a report from the Physical Plant Department on this project, including a schedule of the bids received, a copy of which is being filed with the Secretary of the Board for record.

I concur.

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

CONTRACTS FOR COAL PURCHASES FOR ABBOTT POWER PLANT

(17) The Director of Purchases, the Vice-President and Comptroller, and the Director of the Physical Plant recommend awards of contracts as follows for 173,000 tons of coal screenings to be delivered to the Abbott Power Plant during the period July 1, 1961, through June 30, 1963.

	<i>Location of Mine</i>	<i>F.a.b. Mine</i>
Bell and Zoller Coal Company, Chicago		
25,000 tons @ \$5.13.....	Murdock	\$128 250 00
Republic Coal and Coke Company, Chicago		
124,000 tons @ \$4.88.....	Hillery	605 120 00
V-Day Coal Company, Danville		
24,000 tons @ \$4.53.....	Danville	108 720 00
Freight rate on 173,000 tons @ \$1.35 per ton.....		233 550 00
<i>Total Cost</i>		<u>\$1 075 640 00</u>

Sealed bids on uniform specifications were opened on April 18, 1961. Invitations to bid were sent to twenty-three producers, in addition to solicitation by newspaper advertisements.

The bids are evaluated in the terms of the number of British Thermal Units purchased for one cent based on guaranteed analysis. A continuous check is maintained to insure compliance with specifications.

It is advantageous to have contracts with three sources of supply to be assured of delivery of coal at all times.

The prices quoted are based on present wage scales and are subject to increase or decrease in event that wage contracts now in effect are changed. Any such change will affect the price to the extent that production costs are increased or decreased by new contracts. The University may cancel the balance of the purchase contract if it believes that any price adjustment is not justified.

I concur and recommend that the Comptroller and the Secretary of the Board be authorized to execute contracts as recommended, subject to the approval by the Governor as required by the State Constitution.

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

CONTRACTS FOR FUEL FOR MEDICAL CENTER STEAM PLANT AND FOR CHICAGO UNDERGRADUATE DIVISION

Coal for Medical Center Steam Plant

(18) The Director of the Physical Plant, the Business Manager of the Chicago Colleges and Divisions, and the Vice-President and Comptroller recommend award of a contract to the Crerar Clinch Coal Company, 3552 West Division Street, Chicago 51, Illinois, the lowest bidder, for an amount not to exceed 42,000 tons of screenings coal per year, to be delivered to the Medical Center Steam Company plant, operated by the University, as required during the period July 1, 1961, to June 30, 1963, at a per-ton cost of \$6.05, plus transportation of \$0.89, plus \$0.80 for handling, storage, and delivery, or a total expenditure not to exceed \$650,160 for the two-year period. This price is based on present wage scales and is subject to increase or decrease in the event wage contracts or freight rates now in effect are changed, and any such change affects the price. The University has the right of approval of any such increase in price.

The lowest bid is determined by the number of British Thermal Units per one cent of cost, based on guaranteed analysis. A continuous check is provided to insure compliance with the specifications.

Fuel Oil for Medical Center Steam Plant

The aforesaid officers also recommend the purchase of a minimum of 8,000 gallons of No. 5 fuel oil with the option of purchasing as much more as may be required for emergency use, but not to exceed 450,000 gallons, for the 1961-62 heating season, from the Suburban Oil Company, 7340 West Fifteenth Street, Forest Park, Illinois, the lowest bidder, at a current price of \$0.079 per gallon subject to adjustment in accordance with the posted price variations published in the "Oil Daily." The total cost of 8,000 gallons would not exceed \$632, and of 450,000 gallons, \$35,550.

The Medical Center Steam Company plant is equipped to burn either coal, gas, or oil. Winter operation has been with coal, and summer with gas. The

fuel oil is for stand-by service. If used for emergency operation instead of gas or coal, there will be a corresponding reduction in expenditure for these two fuels.

Fuel Oil for Undergraduate Division

The aforesaid officers also recommend the purchase of No. 5 fuel oil, not to exceed 291,500 gallons, for the 1961-62 heating season, from the Great American Oil Company, 855 West Evergreen Avenue, Chicago 22, Illinois, the lowest bidder, at a firm price of \$0.07465 per gallon. On the basis of price quoted, the total expenditure for 291,500 gallons is \$21,760.48.

I concur and recommend that the Comptroller and the Secretary of the Board be authorized to execute the contracts, subject to approval by the Governor as required by the State Constitution.

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

STEAM SERVICE TO DEPARTMENT OF PUBLIC WELFARE LAUNDRY

(19) The Director of the Physical Plant and the Vice-President and Comptroller recommend authorization of a contract with the Illinois Department of Public Welfare for steam service from the Medical Center Steam Company plant to a new laundry to be constructed in the Medical Center District between Paulina Street and Hermitage Avenue, immediately north of Roosevelt Road, this contract to be on the same basis as the University's contracts with other consumers of steam in the Medical Center District supplied by the Company. The requirements of the laundry will not exceed 14,000 pounds per hour maximum demand, which is within the capacity of the present plant.

I recommend approval.

On motion of Mrs. Watkins, this contract was authorized.

CONTRACT FOR INSTALLATION OF LABORATORY EQUIPMENT AT CHICAGO PROFESSIONAL COLLEGES

(20) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for \$2,947.31 to the Kewaunee Manufacturing Company, Evanston, the lowest bidder, for installation of laboratory equipment in the first unit of the Dentistry-Medicine-Pharmacy Building.

The work will consist of furnishing and installing laboratory equipment in a room remodeled for use as a research laboratory for the Department of Anatomy.

Funds are available from the United States Public Health Service.

I concur.

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

USE OF UNIVERSITY FACILITIES BY TWIN CITY BIBLE CHURCH

(21) The officers of the Twin City Bible Church, whose properties at 1101 West Springfield Avenue (the parsonage) and 1302 West Springfield (the site of the church building which has been razed), Urbana, have been purchased by the University, have requested the use of University facilities while their new church is being constructed. Specifically they have requested the use of twelve rooms and the auditorium in Gregory Hall at certain scheduled hours on Sundays when such rooms would not ordinarily be in use by the University.

The request can not be authorized administratively under Board of Trustees rules governing the use of University buildings by outside organizations so that authorization of an exception to this by the Board of Trustees would be required. However, there are precedents for such exceptions for the use of University premises by church organizations, such exceptions having been authorized by the

Board on condition that the University would be reimbursed for actual direct costs involved.

The Director of the Physical Plant recommends and I concur that the Twin City Bible Church be permitted to use rooms in Gregory Hall, or elsewhere if conditions require changes to other buildings from time to time, every Sunday for a period of fifteen months at a rental of \$23 per day for each day that the facilities are used.

On motion of Mrs. Watkins, this request was approved, as recommended.

PURCHASES

Purchases Authorized

(22) The following purchases were authorized by the President's Office on the recommendation of the Director of Purchases and the Vice-President and Comptroller. Unless otherwise specified, the purchase was recommended on the basis of the lowest acceptable bid.

Urbana-Champaign Departments

Item	Department	Vendor	Cost
712 terminal boards	Digital Computer Laboratory	Malco Manufacturing Co., Chicago	\$ 4 125 00 f.o.b. Chicago
One air particulate radioactivity monitor	Physics	Nuclear Measurements Corp., Indianapolis, Ind.	2 646 00 f.o.b. delivered
Ultrasonic apparatus consisting of: one high power pulsed oscillator, operable from 300 k.c. to 150 m.c.; two extra coils for range from 85 to 150 m.c.; one amplifier, 6 to 60 m.c.; one pre-amplifier 93 to 3200 ohm; one precision attenuator, 0 to 122 db; one balancing network and one set of cables	Physics	Arenberg Ultrasonic Laboratory, Inc., Jamaica Plain, Mass.	2 994 00 f.o.b. shipping point
Television masts, telescoping sections, 10-ft. maximum length per section; four hundred 35 ft. to 40 ft. and forty 45 ft. to 50 ft.	State Water Survey	Rahn Manufacturing Co., Peoria	3 731 16 f.o.b. delivered

On motion of Mr. Pogue, these purchases were approved.

Purchases Recommended

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.

I concur.

Chicago Colleges and Divisions

Item	Department	Vendor	Cost
One lot of laboratory equipment and supplies consisting of one spectrophotometer, one balance, thirty-six bags of corks, fifty dozen cover glasses, 400 gross slides, and two gross of pharmaceutical graduates	Anatomy General Stores	Schaar & Co., Chicago	\$ 3 495 02 delivered
One lot of laboratory equipment and supplies: one spectrophotometer and accessories; 1,000 ft. tubing; 220 lbs. rubber stoppers; 48 files, 72 pieces wire gauze; 168 test tube supports; 180 brushes; 120 microstoppers, 72 ring supports	Biological Chemistry	Schaar & Co., Chicago	3 150 00 net delivered
One lot laboratory equipment and supplies	Medicine	Schaar & Co., Chicago	3 354 62 net delivered
Optical goods, including services and repairs for infirmity patients at the Illinois Eye and Ear Infirmary, as required on prescriptions and authorization of the Infirmary staff, for the period July 1, 1961, through June 30, 1963; estimated number of prescriptions, 16,000	Ophthalmology	American Optical Co., Chicago	112 000 00
100,000 acetazolamide tablets, 250 mg.; this represents a six-month supply	Pharmacy	Lederle Laboratories, Chicago	4 962 20 delivered

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Approximately 1,100 millieuries of assorted radio isotopes for use by the Isotope Laboratory during the period from July 1, 1961, through June 30, 1962	Radiology	E. R. Squibb & Sons, Franklin Park	\$ 2 908 43 delivered
Approximately 2,290 boxes and 46 rolls of Eastman, Ansco, and DuPont medical X-ray film to be used by the Department of Radiology during the year beginning July 1, 1961, through June 30, 1962, subject to renewal for one year by mutual agreement	Radiology	John V. Doehren Co., Chicago	\$6 344 90
One addressograph keyboard graphotype machine and accessories	Research and Educational Hospitals	Addressograph-Multigraph Corp., Chicago	3 360 70 delivered
Approximately 1,300 pints of whole human blood (Rh positive and Rh negative), 600 pints of heparinized blood, and 350 pints of ACD siliconized blood to be supplied as needed by the Research and Educational Hospitals for the period July 1, 1961, through June 30, 1962, with the option to renew for one additional year by mutual agreement	Blood Bank, Research and Educational Hospitals	Interstate Blood Bank, Inc., Chicago Chicago Blood Donor Service, Chicago Mount Sinai Research Foundation, Chicago Michael Reese Research Foundation, Chicago	25 000 00 20 000 00 15 000 00 10 000 00 (70 000 00)
Approximately 6,215 gallons of X-ray solutions and maintenance service for manually operated X-ray film processing units	Various Departments	Illinois Solution Service, Chicago	3 676 13
Approximately 201 cartons of X-ray solutions and maintenance service for one automatic X-ray film processing unit, for the period July 1, 1961, through June 30, 1962		Philip A. Hunt Co., Chicago	4 127 50 (7 803 65)
Subject to renewal for one year by mutual agreement			
Linen service for food service departments of the Chicago Colleges and Divisions for the period July 1, 1961, through June 30, 1963	Various Departments	American Linen Supply Co., Chicago	18 092 64
Continuous cloth towel service of approximately 30,000 rolls as needed during the period July 1, 1961, through June 30, 1963, in various areas of the Chicago Professional Colleges and the Chicago Undergraduate Division	Various Departments	American Linen Supply Co., Chicago	25 000 00
Underground cast iron piping system	Physical Plant	E. B. Kaiser Co., Glenview	6 900 00 delivered
<i>Urbana-Champaign Departments</i>			
Precast concrete footings, frames, side wall and end panels, and floor slats for a 30 ft. x 64 ft. 6 in. hog house for the Norman Research Farm	Agricultural Engineering	Nelsen Concrete Culvert Co., Champaign	5 371 38 f.o.b. delivered
One 1955 model Piper Apache twin aircraft with not more than 2,200 hours air-frame time complete with VOA2 Narco Omniflexer, twenty-seven-channel Narco Simplexer, ADF 12D Lear Orienter, twenty-seven-channel Mark 2 Narco Omnigator, heavy duty starter and dual generators	Institute of Aviation	Byerly Aviation, Inc., Peoria	12 900 00 f.o.b. delivered
Two single-engine training airplanes complete with battery, starter, generator; navigation and landing lights; nine-crystal, VHF radio equipment; instrument panel with sensitive altimeter, directional gyro, turn and ball indicator; artificial horizon, VFR equipment; vacuum system and gauges; and outside air temperature gauge; less trade-in allowances for two Aeronca 7 AC airplanes	Institute of Aviation	Champion Aircraft Corp., St. Paul, Minn.	10 144 14 f.o.b. delivered
One ultracentrifuge with rotor temperature indicator and four rotors	Chemistry and Chemical Engineering	Beckman Instruments, Inc., Spinco Division, Palo Alto, Calif.	9 715 00 f.o.b. delivered

Item	Department	Vendor	Cost
110 dining chairs	Illini Union	S. Buckman Furniture & Supply Co., Spring Valley	\$ 4 152.24 f.o.b. delivered
35 tables, 22 in. x 32 in.			
12 tables, 32 in. x 42 in.			
Color photofinishing services including development of color films, duplication of color slides, color prints, and color enlargements from color transparencies as required for the period of July 1, 1961, through June 30, 1963	Photographic Service	Strach Photo Center, Champaign	5 674.50 f.o.b. delivered
Print and bind 2,000 copies of <i>Politics and the Crisis of 1860</i> , edited by Norman A. Graebner	University Press	The Haddon Craftsmen, Inc., Scranton, Pa.	2 504.44 f.o.b. delivered
Print and bind 2,500 copies of <i>Joseph Warren</i> , by John Cary	University Press	The Haddon Craftsmen, Inc., Scranton, Pa.	4 187.49 f.o.b. delivered
Print and bind 1,000 copies of <i>National Party Platforms</i> , by Kirk Porter and Donald B. Johnson	University Press	Braun-Brumfield, Inc., Ann Arbor, Mich.	3 022.00 f.o.b. delivered
Approximately 71,000 2 1/4 in. x 3 1/4 in. glossy prints of student identification cards for school year 1961-62	Security Office	Techniprint Film Laboratory, Champaign	2 769.00 f.o.b. delivered
One model 610 Vari-Typer with automatic justification and linomatic vertical spacing, less trade-in allowance of two Vari-Typers	Stenographic Service	Vari-Typer Corp., Peoria	3 005.00 f.o.b. delivered
Ten type fonts for Model 610 Vari-Typer			
Roller towel rental service (dispensing cabinets included) for the period of July 1, 1961, through June 30, 1963, approximately 60,000 fifty-yard rolls	Various Departments	Champaign-Urbana Clean Towel Service, Champaign	33 000.00
Miscellaneous Kodak photographic films and papers as requested by various departments for the period July 1, 1961, through June 30, 1963	Various Departments	Maleko Camera Co., Chicago	21 016.90 f.o.b. delivered
Nine 16 mm. projectors, single case units	Audio-Visual Aids Service	Maleko Camera Co., Chicago	3 425.00 f.o.b. delivered
Three film strip and slide projectors with case			
One automatic 2 in. x 2 in. slide projector with 7 in. f 3.5 lens and six slide trays			
One lot of laboratory apparatus and equipment	General Chemical Stores	Scientific Products Division, Evanston	3 091.68 f.o.b. delivered
190 cases paper cups, cold drink	Office Supply Store	Gershuny & Epstein, Inc., Chicago	3 843.22 f.o.b. delivered
25,500 Kraft paper bags			
80 rolls Kraft wrapping paper			
800 tons of cold mix, cold lay, plant mix asphaltic concrete for maintenance patching of asphalt pavements as required for the period of July 1, 1961, through June 30, 1963	Physical Plant	Parro Construction Corp., Urbana	6 360.00 f.o.b. delivered
Approximately 24,000 board feet No. 3 spruce; 76,000 board feet construction grade Douglas fir; 16,700 board feet "C" select ponderosa pine or sugar pine; and 5,714 board feet T & G, grade "B and better" edge grain, clear fir flooring for period July 1, 1961, through June 30, 1962	Physical Plant	Hillcrest Lumber Co., Champaign	20 651.76 f.o.b. delivered
Installation of a 100 per cent liquid propane gas space heating system for the Orchard Downs Apartments, including the rental of forty-one 500-gallon storage tanks and approximately 302,400 gallons of propane gas for the period of July 1, 1961, through June 30, 1963	Physical Plant	Jack Bell Gas Co., Urbana	49 841.00 f.o.b. delivered and installed
Miscellaneous firebrick and colored mortar as requested for period of July 1, 1961, through June 30, 1963	Physical Plant	Odman-Hecker & Co., Inc., Urbana	2 595.10 f.o.b. delivered
Approximately 18,100 haydite and concrete blocks as required for period of July 1, 1961, through June 30, 1963	Physical Plant	Davis Concrete Products, Inc., Mahomet	3 368.00 f.o.b. delivered

Item	Department	Vendor	Cost
Three four-door sedans (compact)	Physical Plant	Dana Hudson, Inc.,	\$ 879 00
One four-door sedan (standard size)		Champaign (Valiant)	
One four-door station wagon		one sedan	
One panel truck, $\frac{1}{2}$ -ton		International Harvester Co.,	935 00
One suburban carryall		Springfield	
		one station wagon	
		Rogers Chevrolet Co.,	
		Rantoul	
		two sedans	1 562 42
		one suburban carryall	2 032 59
		one panel truck	1 687 60
		University Ford Sales,	
		Champaign	
		one sedan	872 00
			(7 968 61)
			f.o.b.
			delivered

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

COMPTROLLER'S REPORT OF CONTRACTS

(23) The Comptroller's report of contracts executed during the period April 1 to 30, 1961.

With Whom	Purpose	Amount to be Paid to the University	Effective Date
Sterling-Winthrop Research Institute	Effects of management and nutrition on immunological response of the young pig	\$ 3 000 00	April 24, 1961
United States Army DA-36-039 SC-37264	Design of a direction-finder system	70 000 00	March 31, 1961

Leases

With Whom	Purpose	Amount to be Paid by the University	Effective Date
University of Illinois Foundation	Rental of the Hartan E. Moore & Co. property, Champaign	\$ 1 650 00 annually	December 30, 1960
University of Illinois Foundation	Rental of the Newton tract (purchased from Boyd Harper), Champaign County	3 310 00 annually	December 30, 1960
University of Illinois Foundation	Rental of the Temple tract (purchased from Boyd Harper), Champaign County	3 600 00 annually	January 20, 1961
University of Illinois Foundation	Rental of the Twin City Bible Church properties at 1101 and 1302 West Springfield, Urbana	1 300 00 annually	January 31, 1961

Contract Changes

With Whom	Purpose	Amount to be Paid to the University	Effective Date
Dawe's Laboratories, Inc.	Animal and poultry nutrition	\$ 2 000 00	March 13, 1961
Illinois Archaeological Survey	Preliminary site examination and preliminary testing and excavation	336 54	March 22, 1961
Illinois Archaeological Survey	Preliminary site examination and preliminary testing and excavation	630 21	April 10, 1961
United States Air Force AF18(603)-22	Diffusion and phase changes in metals with internal friction techniques	2 793 63	February 14, 1961
United States Air Force AF18(603)-49	Surface physics with radioactive substances	8 560 00	March 15, 1961
United States Air Force AF18(603)-62	High energy bunched electron beams	20 000 00	March 15, 1961
United States Air Force AF49(638)-420	Crystallography and morphology of martensites and of the properties of dislocations in crystals	95 502 16	March 28, 1961
United States Air Force AF49(638)-528	Properties of insulating and conducting solids	67 612 00	March 15, 1961
United States Air Force AF49(638)-529	Electronic properties of nonmetallic crystals	88 628 00	March 28, 1961
United States Air Force AF49(638)-579	Electronic properties of silver and alkali halides	10 000 00	March 15, 1961
United States Air Force AF49(638)-672	Internal friction techniques in the study of diffusion and phase changes in metals	4 351 00	April 5, 1961

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
United States Army DA-49-129-ENG-393	Multiple-panel reinforced concrete floors for buildings	\$ 10 000 00	April 14, 1961
United States Navy NOBS-65790 (1716)	Propagation of fractures in metals	20 000 00	January 9, 1961
United States Navy Nonr-1834 (11)	Interpersonal perception in therapeutic counseling	1 851 71	March 14, 1961
United States Navy Nonr-1834 (20)	Effects of ultrasonic energy on biological tissues	36 200 00	March 6, 1961
United States of America International Cooperation Administration ICAC-1453-1	Technical advice and assistance requested by government of India	125 558 00	April 5, 1961
<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid by the University</i>	<i>Effective Date</i>
State of Minnesota	Special use permit for Camp Rabideau, Blackduck, Minnesota	\$ 490 00	March 9, 1961

Adjustments Made in 1960-61 Cost-Plus Contract

<i>With Whom</i>	<i>Purpose</i>	<i>Amount</i>	<i>Date</i>
E. T. Drewitch (Plastering)	Thirty items: \$130.85 deduct to \$445.00	\$ 637 95	March and April, 1961

This report was received for record.

QUARTERLY REPORT OF THE COMPTROLLER

(24) The Comptroller presented his quarterly report to the Board as of March 31, 1961.

This report was received for record, and a copy has been filed with the Secretary of the Board.

REVISION OF CURRICULUM IN ENGINEERING PHYSICS

(25) The Urbana-Champaign Senate has recommended the following revision in the curriculum in engineering physics, approved by the faculty of the College of Engineering. The major changes are an increase in the amount of time spent on modern physics and a reduction in the number of hours required for graduation from 136 to 130 hours plus the general University requirements in military training and physical education.

The details of the specific course changes are filed with the Secretary of the Board for record.

It is further recommended that the new graduation requirements under this curriculum become effective for students entering as freshmen in 1960 and for transfer students who enter in June, 1961, or thereafter, and that other students now enrolled in the curriculum be given the option of graduating under the new requirements.

The Senate Coordinating Council has advised that these revisions have been discussed with the Chicago Undergraduate Division department concerned and are considered within the sphere of the authority of the degree-granting college and Senate (i.e., the Urbana-Champaign Senate).

I concur.

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

REVISION OF MAJOR AND MINOR REQUIREMENTS IN POLITICAL SCIENCE

(26) The Urbana-Champaign Senate recommends the following revision of the requirements for a major in political science and in the list of minors for political science majors:

Major: Twenty hours from courses offered by the Department of Political Science. A major may include three semester hours from the following courses: Economics 170, 171, Economics 214, History 345, 346, 369, 370, Mathematics 161, Psychology 135, and Sociology 185. No student entering the University after September 1, 1961, may offer more than eight hours of 100-level courses as part of a political science major.

(Formerly: Twenty hours from courses offered by the Department of Political Science. A major may include three hours of constitutional history, History 345, 346, 369, or 370.)

Minors: Twenty hours in one or two of the following subjects, with at least eight hours in each if two are chosen: anthropology, economics, education, finance, geography, history, law, library science, mathematics, philosophy, psychology, social work, and sociology. One of the curricula in Latin-American studies, Russian language and area studies, or medieval civilization is also accepted as a sole minor.

(Formerly: Twenty hours in one or two of the following subjects, with at least eight hours in each if two are chosen: anthropology, economics, education, finance, geography, history, law, library science, philosophy, social work, and sociology. The curriculum in Latin-American studies, Russian language and area studies, or medieval civilization is also accepted as a minor.)

The Senate Coordinating Council has advised that no other Senate jurisdiction is involved. This revision will become effective for students starting their major programs in political science in September, 1961, and thereafter.

I concur.

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

REVISION OF MAJOR AND MINOR REQUIREMENTS IN RUSSIAN

(27) The Urbana-Champaign Senate recommends the following revision of the requirements for a major in Russian, and revision in the requirements for a minor with a Russian major:

Major: Twenty hours of Russian excluding Russian 101 and 102, and including at least five hours from the group for advanced undergraduates and graduates; a minimum of three hours in Russian 321, 322, 323, 324, and 332; and a minimum of two and a maximum of six hours in Russian 309, 310, 312, 331. (Formerly: Twenty hours of Russian excluding Russian 101 and 102.)

Minors: Twenty hours in one or two of the following subjects, with at least eight hours in each if two are chosen: English (excluding Rhetoric 101 and 102), French, German, Greek, history, Italian, Latin, library science, political science, Portuguese, Spanish. The first semester of any foreign language (French 101, German 101, Greek 101, Italian 101, Latin 101, Portuguese 101, Spanish 101) may not be counted toward a minor in that subject.

(Formerly: Twenty hours in one or two of the following subjects, with at least eight hours in each if two are chosen: English (excluding Rhetoric 101 and 102), French, German, Greek, history, Italian, Latin, library science, political science, Portuguese, Spanish. The following courses are strongly recommended: History 219, 220, 327, 328, Political Science 335.)

The Senate Coordinating Council has advised that no other Senate jurisdiction is involved. This change will become effective for students beginning their major programs in Russian in September, 1961, and thereafter.

I concur.

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

DISCONTINUANCE OF CREDIT ALLOWED FOR RHETORIC 200 AND 201

(28) The Urbana-Champaign Senate recommends that the University discontinue credit for Rhetoric 200 and 201 which are required courses following failure on the junior-year qualifying examination in English.

The Senate Coordinating Council has advised that no other Senate jurisdiction is involved. This change will become effective in September, 1961.

I concur.

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

CERTIFICATE IN RUSSIAN LANGUAGE AND AREA STUDIES

(29) The Urbana-Champaign Senate recommends authorization of a proposal from the College of Liberal Arts and Sciences, approved by the Executive Committee of the Graduate College, to grant a Certificate in Russian Language and Area Studies to students who have completed certain specified requirements.

The certificate, to be signed by the Director of the Center for Russian Language and Area Studies and the Dean of the Graduate College, is not the equivalent of a degree since the program of study may include work submitted in partial fulfillment of a master's degree or a doctor's degree, and may in some cases require less than one year of additional work. The certificate will state that the candidate, while enrolled in advanced studies in a major field, has satisfied requirements of an additional program and has been awarded the Certificate of Graduate Specialization in Russian Language and Area Studies.

The requirements are:

1. A good command of written and spoken Russian, as determined by special examinations.
2. At least six graduate units relating to Russia, distributed among at least three of the departments represented in the program (Anthropology, Economics, Geography, History, Political Science, Russian, and Sociology), in addition to the student's own major department.
3. A special essay based largely on Russian sources and to be, at the minimum, of the standard normally required in a master's thesis. (The student may submit, in fulfillment of this requirement, a copy of his master's thesis or doctoral dissertation.)

The Senate Coordinating Council had advised that no other Senate jurisdiction is involved.

I concur.

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

MENTAL HEALTH CLINIC

(30) For many years the University has needed a clinical facility in the mental health field which would make it possible for a number of the departments at the Urbana campus to advance their research and teaching programs. Having such a facility available not only would strengthen the University's work but through it would advance the welfare of the people of the state. Research in the methods of treatment and re-education, as well as in the basic causes of mental disturbance, is a frontier in which the University is vitally concerned. Further, shortages of personnel in these fields can be met only with improved programs and facilities.

Over the years, because of the limitations upon resources, the University has not had the advantage of adequate facilities in this community for the work here described. A number of other universities have managed to procure direct appropriations or gifts for this kind of agency or clinical outlet. Urban institutions, of course, have access to their institutional neighbors.

The only possibility in the foreseeable future for the University to gain the kind of research and teaching outlet as would be provided by the facility described here would be in the program recently announced by Dr. Frances J. Gerty, Director of the State Department of Public Welfare.

The following departments are involved: Institute for Research on Exceptional Children (College of Education); graduate-training program in vocational rehabilitation (College of Education); Department of Psychology, especially its staff and graduate-training program in clinical psychology; training programs in speech and hearing disorders (Department of Speech and Theatre); Jane Addams Graduate School of Social Work, with its specialization in psychiatric social work; the University Health Services (Mental Health Division); Department of Sociology (interest in family and community conditions related to psychological disturbances and social disorganization); Department of Recreation (College of Physical Education), with a training program in recreational therapy.

As an indication of the importance and scope of graduate education in these fields at the University of Illinois, the United States Public Health Service currently provides training grants to several of these departments totaling more than \$200,000 a year. These grants support fellowships for graduate students, salaries for professional staff, and funds for other operating costs. In addition, grants from this agency for research in mental health total more than \$100,000 a year, and its representatives have already indicated interest in expanding such support very substantially if the new facility can be located here. The expansion would result immediately in improved service in the state clinic and should lead

to long-range improvement in methods of treatment that could be used throughout the state. Unless such improvement can be secured through research and through better-trained personnel, the staggering costs of mental disturbances will continue to mount, in Illinois as elsewhere.

I recommend that the Board of Trustees authorize the administrative officers of the University to negotiate with the Department of Public Welfare for the establishment on the Urbana-Champaign campus of a mental health clinic facility including authorization of an offer of a site in relation to the educational and research opportunities which would become formally a part of the University's program.

On motion of Mr. Swain, authority was granted, as requested.

HOUSING REVENUE BONDS

(31) The Vice-President and Comptroller submits the following recommendation relating to the issue of the Board of Trustees of the University of Illinois Housing Revenue Bonds of 1960, Series B and C:

That Series B bonds in the amount of \$4,680,000 maturing in the years 1971 through 2000 be sold to the Housing and Home Finance Agency at an interest cost of 3½ per cent in accordance with and pursuant to the Loan Agreement approved April 19, 1961, and that Series B bonds in the amount of \$320,000 maturing in the years 1963 through 1970 be sold to White, Weld, and Company at a price of \$320,854.45 and at an effective interest rate of 3.457 per cent;

That Series C bonds in the amount of \$750,000 be sold to John Nuveen and Company and Associates at a price of \$750,201 and at an effective interest rate of 3.6226 per cent, which represents the lowest interest cost to the University;

That the bonds be executed by facsimile signatures of Frances B. Watkins and Timothy W. Swain, members of the Board, by the facsimile signature of Kenney E. Williamson, President of the Board, and by the signature of A. J. Janata, Secretary of the Board;

That the Board 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; and

That the resolution submitted herewith be adopted.

I concur.

On motion of Mr. Swain, the Board adopted the following resolution by a record vote. Those voting aye, Mr. Clement, Mr. Dilliard, Mr. Harewood, Mr. Hughes, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; those voting no, none; absent, Mr. Johnston, Mr. Kerner, Mr. Wilkins.

Fourth Supplemental Housing Revenue Bond Resolution

Supplementing Resolution Approved December 17, 1958, and Creating \$5,000,000 Housing Revenue Bonds of 1960, Series B, and \$750,000 Housing Revenue Bonds of 1960, Series C.

A RESOLUTION CREATING AND AUTHORIZING THE ISSUE, AUTHENTICATION AND DELIVERY OF \$5,000,000 HOUSING REVENUE BONDS OF 1960, SERIES B, AND \$750,000 HOUSING REVENUE BONDS OF 1960, SERIES C, AND FURTHER SUPPLEMENTING A RESOLUTION DULY ADOPTED BY THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS ON DECEMBER 17, 1958.

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 in the interests of the University of Illinois and the welfare of its students and faculty to construct and equip additional buildings and related facilities for the purpose of housing its students and staff; and

WHEREAS, in order to provide such facilities 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 1959, and all laws amendatory thereof and supplemental thereto; and

WHEREAS, The Board of Trustees of the University of Illinois on December 17, 1958, did duly adopt a resolution (herein sometimes called "Original Resolution") providing for the issuance of revenue bonds; and

WHEREAS, The Board of Trustees of the University of Illinois on June 23, 1959, October 21, 1959 and June 14, 1960, respectively, duly adopted First, Second, and Third Supplemental Resolutions for the purpose of supplementing the Original Resolution and providing for the issuance of additional revenue bonds thereunder, and

WHEREAS, there are now issued and outstanding under the Original Resolution as supplemented by the First, Second, and Third Supplemental Resolutions thereto, \$16,660,000 aggregate principal amount of Bonds designated "The Board of Trustees of the University of Illinois Housing Revenue Bonds" and having the further designations of year and series in the respective principal amounts as follows:

<i>Year and Series</i>	<i>Principal Amount</i>
1958, Series A.....	\$1,610,000
1958, Series B.....	1,510,000
1959, Series A.....	110,000
1959, Series B.....	1,530,000
1959, Series C.....	3,450,000
1959, Series D.....	3,450,000
1960, Series A.....	5,000,000

WHEREAS, The Board of Trustees of the University of Illinois now desires to create and to authorize the issue, authentication and delivery of an additional issue of Bonds under and in accordance with the Resolution as supplemented by this Fourth Supplemental Resolution thereto which additional Bonds are to be limited to the aggregate principal amount of \$5,750,000 at any one time outstanding, \$5,000,000 of which shall be known as "The Board of Trustees of the University of Illinois Housing Revenue Bonds of 1960, Series B" (hereinafter called "1960 Series B Bonds") and \$750,000 of which shall be known as "The Board of Trustees of the University of Illinois Housing Revenue Bonds of 1960, Series C" (hereinafter called "1960 Series C Bonds").

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

ARTICLE ONE

SUPPLEMENTARY PROVISIONS RELATING TO INCOME AND THE APPLICATION THEREOF

SECTION 1.1. Pledge of Revenues. The pledge of the revenues (including the revenues to be derived from the operation of Project E hereinafter mentioned) contained in Section 5.01 of the Original Resolution and Section 1.1 of each of the First, Second and Third Supplemental Resolutions is hereby ratified and confirmed and all revenues to be derived from the operation of Project E are hereby specifically pledged for the purposes mentioned in said Section 5.01 of the Original Resolution.

SECTION 1.2. Supplementation of Revenues. It is hereby determined by the Board of Trustees and it is hereby covenanted that in view of the additional issue of Bonds to be outstanding it is necessary to supplement the revenues to be derived from the facilities by a further use of student tuitions which are authorized by law to be retained in the Treasury of the University and therefore the limitation contained in clause (b) of Section 5.03 of the Original Resolution as supplemented by Section 1.2 of each of the First, Second and Third Supplemental Resolutions be and the same is hereby increased by an amount equal to \$210,000 so that such supplementation shall henceforth be an amount not to exceed in any one fiscal year the lesser of (a) an amount which when added to the revenues to be derived from the facilities will be sufficient to meet the annual operating expenses of the facilities and to provide for the payments required to be made into the Bond and Interest Sinking Fund established for the benefit of the Bonds in subsection (b) of Section 5.02 of the Original Resolution, or (b) \$810,000 plus such additional sums as may be specified in any other resolution supplemental to the Resolution as supplemented hereby, creating or authorizing the issuance of additional Bonds.

ARTICLE TWO

1960 SERIES B BONDS AND 1960 SERIES C BONDS, AND THE ISSUANCE THEREOF

SECTION 2.1. *Project E and Purpose of Issue of Bonds.* The project (hereinafter designated "Project E") to be acquired, constructed, equipped and completed pursuant to this Fourth Supplemental Resolution is described in a general way as:

A residence hall to be located at the southwest corner of Lincoln and Pennsylvania Avenues, Urbana, Illinois, consisting of four housing buildings for approximately 1044 single undergraduate students, grouped around a central administration, dining and lounge building, sometimes known as the Pennsylvania Avenue Residence.

The estimated cost of said project E is \$5,750,000 exclusive of land and exclusive of any pro rata share of the University power and heating plant serving the project, but including the cost of extending utilities to the Project. The estimated cost of each portion of said Project E is more fully set forth in the plans and specifications therefor on file with the Comptroller of the University.

It is hereby determined that in order to produce the funds necessary to construct and equip Project E that the University borrow the sum of \$5,750,000 and in evidence thereof to issue its Housing Revenue Bonds hereunder in said principal amount.

SECTION 2.2. *Terms of 1960 Series B Bonds and 1960 Series C Bonds.* There is hereby created and authorized two additional series of Bonds to be issued under the Resolution as supplemented by this Fourth Supplemental Resolution to be substantially in the form and of the tenor and purport hereinafter set forth and limited to the aggregate principal amount of Five Million Seven Hundred Fifty Thousand Dollars (\$5,750,000) at any one time outstanding, Five Million Dollars (\$5,000,000) of which shall be designated "The Board of Trustees of the University of Illinois Housing Revenue Bonds of 1960, Series B" (hereinafter called "1960 Series B Bonds"), and the remaining Seven Hundred Fifty Thousand Dollars (\$750,000) principal amount thereof shall be designated "The Board of Trustees of the University of Illinois Housing Revenue Bonds of 1960, Series C" (hereinafter called "1960 Series C Bonds").

The 1960 Series B Bonds and the 1960 Series C Bonds shall be issued as negotiable coupon Bonds dated October 1, 1960, registrable as to principal in the denomination of \$1,000 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 April 1, 1961, in which case they shall be dated October 1, 1960. Each fully registered Bond without coupons shall be of a single maturity. Fully registered Bonds without coupons, shall be numbered in such manner satisfactory to the Trustee as may be designated by the Comptroller and shall be issued in denominations of \$1,000 or multiples thereof, shall bear interest from October 1, 1960, payable semi-annually on the first days of April and October in each year until paid, commencing April 1, 1961, at the rates provided below and shall mature in the following amounts on October 1 of the following years:

Year of Maturity	1960 Series B Bonds		1960 Series C Bonds	
	Amount	Interest Rate	Amount	Interest Rate
1963	\$30,000	3½%	\$40,000	4%
1964	40,000	3½%	40,000	4%
1965	40,000	3½%	40,000	4%
1966	40,000	3½%	40,000	4%
1967	40,000	3½%	40,000	3½%
1968	40,000	3½%	50,000	3½%
1969	40,000	3½%	50,000	3½%
1970	50,000	3½%	50,000	3½%
1971	50,000	3½%	50,000	3½%
1972	50,000	3½%	50,000	3½%
1973	50,000	3½%	60,000	3½%
1974	50,000	3½%	60,000	3½%
1975	60,000	3½%	60,000	3½%

<i>Year of Maturity</i>	<i>1960 Series B Bonds</i>		<i>1960 Series C Bonds</i>	
	<i>Amount</i>	<i>Interest Rate</i>	<i>Amount</i>	<i>Interest Rate</i>
1976	\$ 60,000	3½%	\$60,000	3¼%
1977	60,000	3½%	60,000	3¼%
1978	120,000	3½%		
1979	140,000	3½%		
1980	140,000	3½%		
1981	140,000	3½%		
1982	140,000	3½%		
1983	140,000	3½%		
1984	160,000	3½%		
1985	160,000	3½%		
1986	160,000	3½%		
1987	180,000	3½%		
1988	180,000	3½%		
1989	180,000	3½%		
1990	180,000	3½%		
1991	200,000	3½%		
1992	200,000	3½%		
1993	200,000	3½%		
1994	220,000	3½%		
1995	220,000	3½%		
1996	240,000	3½%		
1997	240,000	3½%		
1998	240,000	3½%		
1999	260,000	3½%		
2000	260,000	3½%		
	<u>\$5,000,000</u>		<u>\$750,000</u>	

The 1960 Series B bonds and the 1960 Series C bonds shall be redeemable prior to their maturity at the option of the Board of Trustees, either in whole or in part, on April 1, 1971, or on any interest payment date thereafter in the inverse order in which they mature at the principal amount thereof plus accrued interest to the date of 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, 1971 through October 1, 1975.....	3%
April 1, 1976 through October 1, 1980.....	2½%
April 1, 1981 through October 1, 1985.....	2%
April 1, 1986 through October 1, 1990.....	1½%
April 1, 1991 through October 1, 1995.....	1%
April 1, 1996 or thereafter prior to maturity....	None

provided, however, that the 1960 Series B bonds maturing in the years 1996 through 2000 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 at the principal amount thereof plus accrued interest to the date of redemption and without premium. All redemptions shall be made in the manner, upon the notice, and with the effect provided in Article Three of the Original Resolution.

SECTION 2.3. *Payment of Principal and Interest.* Both the principal of and the interest on the 1960 Series B and 1960 Series C 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 First National Bank of Chicago, or its successor, in the City of Chicago, Illinois, or, at the option of holders at The Chase Manhattan Bank, or its successor, in the Borough of Manhattan and City and State of New York.

SECTION 2.4. *Form of Bonds.* The definitive coupon Bonds of 1960 Series B and 1960 Series C, the interest coupons to be attached thereto, the form of fully registered Bonds without coupons of 1960 Series B and 1960 Series C, shall be in substantially the following forms with appropriate insertions, omissions and variations to evidence differences in series, number, 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 HOUSING REVENUE BOND OF 1960
 (Series.....)

Number..... \$1,000

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 Housing Revenue Bond Fund, as hereinafter provided for, and not otherwise, the principal sum of ONE THOUSAND DOLLARS (\$1,000), 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 April 1, 1961, 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 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 First National Bank of Chicago (hereinafter called "Trustee"), or its successor in trust under the Resolution hereinafter referred to, in the City of Chicago, Illinois, or at the option of the holder, at The Chase Manhattan Bank, in the Borough of Manhattan and City and State of New York.

This bond is one of an authorized series of Dollars (\$.....) principal amount of Housing Revenue Bonds of 1960, Series which, with the 1960 Series Bonds constitute an issue of Five Million Seven Hundred Fifty Thousand Dollars (\$5,750,000), issued or to be issued pursuant to a Bond Resolution of The Board of Trustees of the University of Illinois duly adopted December 17, 1958, as supplemented by First, Second, Third and Fourth Supplemental Resolutions thereto duly adopted June 23, 1959, October 21, 1959, June 14, 1960, and May 17, 1961, respectively (said Bond Resolution as so supplemented being herein referred to as the "Resolution"), for the purpose of providing funds for paying the cost of constructing and equipping student and staff housing and related facilities. 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 maturity as a whole or in part on April 1, 1971, or on any interest payment date thereafter in the inverse order in which they mature at the option of The Board of Trustees of the University of Illinois at par and accrued interest to the date of redemption and a premium as follows: three per cent (3%) of the principal amount thereof if redeemed April 1, 1971 through October 1, 1975; two and one-half per cent (2½%) of the principal amount thereof if redeemed April 1, 1976 through October 1, 1980; two per cent (2%) of the principal amount thereof if redeemed April 1, 1981 through October 1, 1985; one and one-half per cent (1½%) of the principal amount thereof if redeemed April 1, 1986 through October 1, 1990; one per cent (1%) of the principal amount thereof if redeemed on April 1, 1991 through October 1, 1995; and without premium if redeemed April 1, 1996 or thereafter.

(1960 Series B Bonds Only)

The period at the end of the foregoing paragraph shall be deleted in the 1960 Series B Bonds and a semicolon substituted therefor and the following proviso added to the end of said paragraph.

[provided, however, that the bonds of this series maturing in the years 1996 through 2000 shall be redeemable prior to their maturity at the option of The Board of Trustees of the University of Illinois, either in whole or in part, on

any interest payment date at the principal amount thereof plus accrued interest to the date of redemption and 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, 1959, 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 Housing Revenue 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, bonds heretofore issued pursuant to the Resolution and additional bonds which may hereafter be issued pursuant to the Resolution, (2) student tuitions authorized by law to be retained in the University treasury, but not in excess of \$810,000 annually plus such additional sums as may be specified in any supplemental Resolution creating or authorizing additional bonds to be issued pursuant to the Resolution as so supplemented, and (3) certain existing revenue producing buildings of the University after the prior payment of other indebtedness to the extent set forth in the Resolution. 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 Trustee in 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 hereof.

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, the Trustee, and any paying agent 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 \$1,000 and as registered bonds without coupons in the denomination of \$1,000 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 principal office of the Trustee 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, if any, 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 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 parietal rules, rents, and charges for the use of said facilities and to maintain and collect rents and charges and to withhold student tuitions, 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 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 October, 1960.

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 First National Bank of Chicago, in the City of Chicago, Illinois, or at the option of the holder at The Chase Manhattan Bank, in the Borough of Manhattan and City and State of New York, as provided in the Housing Revenue Bond of 1960, Series..... dated October 1, 1960, Number.....

Secretary

President

(Form of Registered Bond Without Coupons)

UNITED STATES OF AMERICA

STATE OF ILLINOIS

THE BOARD OF TRUSTEES OF THE UNIVERSITY
OF ILLINOIS HOUSING REVENUE BOND OF 1960

(Series))

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

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 Housing Revenue 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 Trustee hereinafter mentioned as Bond Registrar, at the rate of per cent (.....%) per annum, payable April 1, 1961, 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 First National Bank of Chicago (hereinafter called "Trustee"), or its successor in trust under the Resolution hereinafter referred to, in the City of Chicago, Illinois, or at the option of the holder at The Chase Manhattan Bank in the Borough of Manhattan and City and State of New York.

This bond is one of an authorized series of Dollars (\$.....) principal amount of Housing Revenue Bonds of 1960, Series, which with the 1960 Series Bonds constitute an issue of Five Million Seven Hundred Fifty Thousand Dollars (\$5,750,000), issued or to be issued pursuant to a Bond Resolution of The Board of Trustees of the University of Illinois duly adopted December 17, 1958, as supplemented by First, Second, Third, and Fourth Supplemental Resolutions thereto duly adopted June 23, 1959, October 21, 1959, June 14, 1960, and May 17, 1961, respectively (said Bond Resolution as so supplemented being herein referred to as the "Resolution") for the purpose of providing funds for paying the cost of constructing and equipping student and staff housing and related facilities. 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 maturity as a whole or in part on April 1, 1971, or on any interest payment date thereafter in the inverse order in which they mature at the option of The Board of Trustees of the University of Illinois at par and accrued interest to the date of redemption and a premium as follows: three per cent (3%) of the principal amount thereof if

redeemed April 1, 1971 through October 1, 1975; two and one-half per cent ($2\frac{1}{2}\%$) of the principal amount thereof if redeemed April 1, 1976 through October 1, 1980, two per cent (2%) of the principal amount thereof if redeemed April 1, 1981 through October 1, 1985, one and one-half per cent ($1\frac{1}{2}\%$) of the principal amount thereof if redeemed April 1, 1986 through October 1, 1990; one per cent (1%) of the principal amount thereof if redeemed April 1, 1991 through October 1, 1995; and without premium if redeemed April 1, 1996 or thereafter.

(1960 Series B Bonds Only)

The period at the end of the foregoing paragraph shall be deleted in the 1960 Series B Bonds and a semicolon substituted therefor and the following proviso added to the end of said paragraph.

[provided, however, that the bonds of this series maturing in the years 1996 through 2000 shall be redeemable prior to their maturity at the option of The Board of Trustees of the University of Illinois, either in whole or in part, on any interest payment date at the principal amount thereof plus accrued interest to the date of redemption and 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, 1959, 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 Housing Revenue 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, bonds heretofore issued pursuant to the Resolution and additional bonds which may hereafter be issued pursuant to the Resolution, (2) student tuitions authorized by law to be retained in the University treasury, but not in excess of \$810,000 annually plus such additional sums as may be specified in any supplemental resolution creating or authorizing additional bonds to be issued pursuant to the Resolution as so supplemented, and (3) certain existing revenue producing buildings of the University after the prior payment of other indebtedness to the extent set forth in the Resolution. 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 of 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 principal office of the Trustee in the City of Chicago, Illinois, upon surrender and cancellation of this bond and thereupon 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, upon payment of the transfer charges therein prescribed. The Board of Trustees of the University of Illinois, the Trustee 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 \$1,000 and as registered bonds without coupons in the denomination of \$1,000 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 principal office of the Trustee 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 (66⅔%) 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, if any, 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 parietal rules, rents, and charges for the use of said facilities and to maintain and collect rents and charges and to withhold student tuitions, 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 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 this bond to be dated as of the 1st day of _____, 19____.

THE BOARD OF TRUSTEES OF THE
UNIVERSITY OF ILLINOIS

Attest: _____

Secretary

Member

By: _____

President

Member

ARTICLE THREE

MISCELLANEOUS

SECTION 3.1. Application of Bond Proceeds. The Board of Trustees hereby determines that Project E will become revenue producing on or about September 30, 1962 and therefore that portion of the proceeds of the 1960 Series B Bonds and 1960 Series C Bonds representing the interest accrued on such Bonds to the date of payment therefor shall, together with an amount equal to the interest to accrue on such Bonds through September 30, 1962 be deposited with the Trustee in the Bond and Interest Sinking Fund account as required by Section 6.01 of the Resolution.

The balance of said proceeds of the 1960 Series B Bonds and the 1960 Series C Bonds shall, as required by Section 6.01 of the Resolution, be deposited in a bank or banks which are members of the Federal Deposit Insurance Corporation and shall be accounted for as one or more separate funds. The application of the funds in such accounts and the disposition thereof shall in all respects comply with all the terms and provisions of Article Six of the Resolution, subject to the terms and provisions of any contract or agreement permitted by or contemplated in said Article Six between The Board of Trustees and any original purchaser of such Bonds.

SECTION 3.2. Interpretation and Construction. This Fourth Supplemental Resolution is supplemental to and is adopted in accordance with Sections 2.06 and 4.02 of the Resolution. In all respects not inconsistent with this Fourth Supplemental Resolution, the Resolution is hereby ratified, approved and confirmed, and all of the definitions, terms, covenants and restrictions of the Resolution shall be applicable to the additional Bonds authorized by this Fourth Supplemental Resolution and the proceeds thereof except as otherwise expressly provided. All of the terms and provisions of this Fourth Supplemental Resolution shall be deemed to be a part of the terms and provisions of the Resolution, and the Resolution and this Fourth Supplemental Resolution shall be read, taken and construed as one and the same instrument. In executing or authenticating any Bond authorized by this Fourth Supplemental Resolution the Trustee and each officer, agent or employee of the University shall be entitled to all of the privileges and immunities afforded to them under the terms of the Resolution.

SECTION 3.3. Resolution Effective on Passage. This resolution shall become effective upon its passage.

STUDENT SERVICES BUILDING BONDS

(32) The Vice-President and Comptroller submits the following recommendation relating to the issue of the Board of Trustees of the University of Illinois Student Services Building Bonds:

That the bonds in the amount of \$1,350,000 be sold to John Nuveen and Company and Associates at a price of \$1,335,224.25 and at an effective interest rate of 3.9033 per cent which represents the lowest interest cost to the University;

That the bonds be executed by facsimile signatures of Frances B. Watkins and Timothy W. Swain, members of the Board, by the facsimile signature of Kenney E. Williamson, President of the Board, and by the signature of A. J. Janata, Secretary of the Board;

That the firm of Chapman and Cutler be retained as bond counsel for this issue;

That the Board ratify and confirm all actions taken or to be taken by the officers and members of the Board in connection with sale and delivery of the bonds; and

That the resolution submitted herewith be adopted.

I concur.

On motion of Mr. Swain, the Board adopted the following resolution by record vote. Those voting aye, Mr. Clement, Mr. Dilliard, Mr. Harewood, Mr. Hughes, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; those voting no, none; absent, Mr. Johnston, Mr. Kerner, Mr. Wilkins.

A Resolution Authorizing \$1,350,000 Student Services Building Bonds

A RESOLUTION AUTHORIZING AND PROVIDING FOR THE ISSUANCE OF REVENUE BONDS FOR THE PURPOSE OF PAYING THE COST OF ACQUIRING, CONSTRUCTING, AND EQUIPPING A STUDENT SERVICES BUILDING IN THE CITY OF CHAMPAIGN, 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 Student Services Building (hereinafter sometimes called the "Building" 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, 1959, 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 the Student Services Building to be located at 610 East John Street, Champaign, Illinois.

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 "*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, professional services and activities conducted in the Building, and all general administrative expenses of the University.

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 terms "*paying agent*," "*depository*," and "*Registration Agent*" shall mean the American National Bank and Trust Company of Chicago, or its successors, 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.

The term "student service charge" shall mean any student fee or portion thereof assessed against students enrolled in 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.

ARTICLE TWO

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

SECTION 2.01. *Limitation of Issue 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 initially be so delivered and issued hereunder is limited to the principal sum of \$1,350,000. All Bonds at any time issued and outstanding hereunder, shall be equally and ratably secured hereby without preference, priority or distinction.

SECTION 2.02. *Project and Purpose of Bonds.* The Project to be acquired, constructed, equipped and completed hereunder is described in a general way as a five-story building located at 610 East John Street, Champaign, Illinois, and used as administrative facilities for student services.

The estimated cost of said Project is \$1,350,000, exclusive of 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 One Million Three Hundred Fifty Thousand Dollars (\$1,350,000) and in evidence thereof to issue its Student Services Building Bonds hereunder in said principal amount.

SECTION 2.03. *Terms of 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 One Million Three Hundred Fifty Thousand Dollars (\$1,350,000) at any one time outstanding, and shall be designated "The Board of Trustees of the University of Illinois Student Services Building Bonds."

The Bonds shall be issued as negotiable coupon bonds dated April 1, 1961, registrable as to principal in the denomination of \$1,000 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, 1961, in which case they shall be dated April 1, 1961. 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 \$1,000 or multiples thereof. Bonds shall bear interest from April 1, 1961, payable semi-annually on the first days of April and October in each year until paid, commencing October 1, 1961, at the rates provided below and shall mature in the following amounts on October 1, of the following years:

Maturity Dates	Principal Amount	Interest Rate	Maturity Dates	Principal Amount	Interest Rate
1964	\$10,000	4 $\frac{1}{2}$ %	1973	\$40,000	3 $\frac{3}{4}$ %
1965	10,000	4 $\frac{1}{2}$ %	1974	40,000	3 $\frac{3}{4}$ %
1966	10,000	4 $\frac{1}{2}$ %	1975	45,000	3 $\frac{3}{4}$ %
1967	20,000	4 $\frac{1}{2}$ %	1976	45,000	3 $\frac{3}{4}$ %
1968	20,000	4 $\frac{1}{4}$ %	1977	45,000	3 $\frac{3}{4}$ %
1969	30,000	4 $\frac{1}{4}$ %	1978	50,000	3 $\frac{3}{4}$ %
1970	35,000	4 $\frac{1}{4}$ %	1979	50,000	3 $\frac{3}{4}$ %
1971	35,000	3 $\frac{3}{4}$ %	1980	50,000	3 $\frac{3}{4}$ %
1972	40,000	3 $\frac{3}{4}$ %	1981	55,000	3 $\frac{3}{4}$ %
1982	55,000	3 $\frac{3}{4}$ %	1987	70,000	3 $\frac{1}{8}$ %

<i>Maturity Dates</i>	<i>Principal Amount</i>	<i>Interest Rate</i>	<i>Maturity Dates</i>	<i>Principal Amount</i>	<i>Interest Rate</i>
1983	\$60,000	3 $\frac{1}{8}$ %	1988	\$ 70,000	3 $\frac{1}{8}$ %
1984	60,000	3 $\frac{1}{8}$ %	1989	75,000	3 $\frac{1}{8}$ %
1985	65,000	3 $\frac{1}{8}$ %	1990	200,000	3 $\frac{1}{8}$ %
1986	65,000	3 $\frac{1}{8}$ %			

The 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, 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, 1971 through October 1, 1975.....	3%
April 1, 1976 through October 1, 1980.....	2%
April 1, 1981 through October 1, 1985.....	1%
April 1, 1986 and thereafter without premium.	

All redemptions shall be made in the manner, upon the notice and with the effect provided in Article Three hereof.

SECTION 2.04. *Payment of Principal and Interest.* Both the principal of and the interest on the 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 American National Bank and Trust Company of Chicago, in the City of Chicago, Illinois.

SECTION 2.05. *Form of Bonds.* The definitive coupon Bonds, the interest coupons to be attached thereto, the form of fully registered Bonds without coupons, the form of registration endorsement to appear on all coupon Bonds 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 STUDENT SERVICES
BUILDING BOND

Number.....\$1,000

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 Student Services Building Bond Fund, as hereinafter provided for, and not otherwise, the principal sum of ONE THOUSAND DOLLARS (\$1,000), 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, 1961, 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 American National Bank and Trust Company of Chicago, in the City of Chicago, Illinois.

This bond is one of an initial authorized issue of One Million Three Hundred Fifty Thousand Dollars (\$1,350,000) principal amount of Student Services Building Bonds 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 May 17, 1961, for the purpose of providing funds for paying the cost of constructing and equipping a Student Services Building (herein sometimes called the "Project") as set forth in the Resolution. Said Resolution, among other things, provides for the issuance of additional bonds pursuant thereto only in the event that additional funds are necessary to pay the cost of completing the Project in the manner and upon the terms and conditions more fully set forth therein.

The bonds of this issue 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, 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, 1971 through October 1, 1975.....	3%
April 1, 1976 through October 1, 1980.....	2%
April 1, 1981 through October 1, 1985.....	1%
April 1, 1986 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 when this bond or any of the bonds of this 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 issue 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, 1959, 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 Student Services Building 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 (2) student service charges (as defined in the Resolution) for the use of the facilities. This bond and the issue 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.

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 American National Bank and Trust Company of Chicago, or its successor, as 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 issue are issuable as coupon bonds registrable as to principal only in the denomination of \$1,000 and as registered bonds without coupons in the denomination of \$1,000 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 issue 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, 1961.

THE BOARD OF TRUSTEES OF THE
UNIVERSITY OF ILLINOIS

Attest: _____ By _____
Secretary 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 American National Bank and Trust Company of Chicago, in the City of Chicago, Illinois, as provided in the Student Services Building Bond, dated April 1, 1961, Number _____

Secretary President

(Form for Registration of Coupon Bond)

Date of Registration	Name of Registered Owner	Signature of Registrar
_____	_____	_____
_____	_____	_____
_____	_____	_____

(Form of Registered Bond Without Coupons)

UNITED STATES OF AMERICA
STATE OF ILLINOIS
THE BOARD OF TRUSTEES OF THE UNIVERSITY OF ILLINOIS
STUDENT SERVICES BUILDING BOND

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 Student Services Building 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, 1961, 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 American National Bank and Trust Company of Chicago, or its successor, in the City of Chicago, Illinois.

This bond is one of an initial authorized issue of One Million Three Hundred Fifty Thousand Dollars (\$1,350,000) principal amount of Student Services Building Bonds 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 May 17, 1961, for the purpose of providing funds for paying the cost of constructing and equipping a Student Services Building (herein sometimes called the "Project") as set forth in the Resolution. Said Resolution, among other things, provides for the issuance of additional bonds pursuant thereto only in the event that additional funds are necessary to pay the cost of completing the Project in the manner and upon the terms and conditions more fully set forth therein.

The bonds of this issue 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, 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, 1971 through October 1, 1975.....	3%
April 1, 1976 through October 1, 1980.....	2%
April 1, 1981 through October 1, 1985.....	1%
April 1, 1986 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 when this bond or any of the bonds of this 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 issue 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, 1959, 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 Student Services Building 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 (2) student service charges (as defined in the Resolution) for the use of the facilities. This bond and the issue 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 American National Bank and Trust Company of Chicago, or its successor, as 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 issue are issuable as coupon bonds registrable as to principal only in the denomination of \$1,000 and as registered bonds without coupons in the denomination of \$1,000 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 of

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 issue 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
Secretary	President
Member	Member

(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. 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, and 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 2.07. 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 of

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 of 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 coupon 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 and fees of the Registration Agent incurred 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 2.07 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 2.08. *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 2.08, plus expenses, including printing costs of new bonds, which may be incurred by the University in the premises.

SECTION 2.09. Registration Agent. The American National Bank and Trust Company of Chicago, or its successor, 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 bank 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 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 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 \$1,000 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 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 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 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 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. Selection of Bonds for Redemption. In case the University shall have elected to redeem less than all of the outstanding Bonds of a single 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, draw by lot, from the outstanding Bonds of such maturity, in any manner deemed by it proper, the identi-

lying numbers of the Bonds to be redeemed. In any such selection by lot each Bond of a denomination in excess of \$1,000 shall be given a separate number for each \$1,000 of the principal amount thereof.

SECTION 3.03. *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 American National Bank and Trust Company of Chicago 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 3.04. *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 3.05. *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 Initial Bonds.* Bonds in the principal amount of One Million Three Hundred Fifty Thousand Dollars (\$1,350,000) 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.* After the issue and delivery of the Bonds herein authorized and provided for to the purchaser thereof, additional Bonds to share ratably and equally with the Bonds hereby authorized shall only be issued in the event that additional funds are 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, Administration Building, Urbana, Illinois, and in the event additional funds are necessary to pay the cost of completing the Project herein provided for, said Bonds shall not be issued until such time as the architects employed by the University for

the construction of said facilities have submitted a certificate to The Board of Trustees of the University of Illinois setting forth an itemized statement of the work completed to date, 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 and estimate shall be presented to and approved by said Board of Trustees preceding the adoption of any resolution authorizing the issuance of additional Bonds to share ratably and equally in the revenues of said facilities. Any additional Bonds issued for the purpose of completing the Project herein provided for, in accordance with this Section, shall be payable serially with principal and interest amortized over a period not shorter than the remaining life of any of the then outstanding Bonds.

ARTICLE FIVE

PROVISIONS RELATING TO INCOME AND APPLICATION THEREOF

SECTION 5.01. *Student Services Building 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, and
- (2) 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 "Student Services Building Bond Fund" and the Board of Trustees covenants that all student service charges and other revenues, income, receipts, rents or charges derived from the operation of such facilities shall be so credited within three working days after receipt in the Student Services Building Bond Fund and shall be used as provided in Section 5.02 hereof.

SECTION 5.02. *Disposition of Student Services Building Bond Fund.* The funds in the Student Services Building Bond Fund shall be used in the manner and in the order hereinafter mentioned:

(a) Funds in the Student Services Building Bond Fund representing revenues derived from student service charges and funds representing revenues derived from sources other than student service charges, if any, shall first be used to pay all current operating expenses and thereafter for the purposes and in the order specified in subsections (b) and (c) below.

(b) There is hereby created an account to be designated the Student Services Building Bond and Interest Sinking Fund Account (herein sometimes called the "Bond and Interest Sinking Fund Account"), which shall be maintained with the American 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, 1963 and on or before March 1 and September 1 of each year thereafter a sum equal to 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 (67½%) of the principal payments becoming due on the next October 1, to be paid from the Student Services Building 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 are at least equal to the debt service requirements on all then outstanding Bonds for the then current fiscal year plus a debt service reserve in the amount of \$200,000 and thereafter in a like manner such sums semiannually as may be necessary to meet the then current fiscal year's debt service requirements 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.

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 of the next two succeeding interest payment dates to meet the interest and principal payments becoming due on each of said dates.

(c) All funds remaining in said Student Services Building 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) and (b) 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; 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 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 that portion of the proceeds of the Bonds representing interest to become due on such Bonds prior to and including October 1, 1962, 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 to be known as the "Student Services Building Construction Fund Account," herein sometimes called "Construction Fund Account." The moneys in said Construction Fund Account shall be used for constructing and equipping the Student Services Building in such a manner as to assure completion of the project free and clear of mechanic's liens and substantially in accordance with the plans and specifications therefor.

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 said 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 eighteen (18) months subsequent to the date of investment therein. Interest accruing as a result of any such investments when received shall be credited to said Construction Fund Account.

SECTION 6.03. *Disposition of Surplus Funds.* After completion of the construction of the Project, the Comptroller 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. If there be funds remaining in said 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.

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; 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 the 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.

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 Bonds under this Resolution it will cause the facilities to be constructed with all reasonable dispatch; that it will at all times 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; and that it will use and apply the student service charges and other 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, and to pay the reasonable cost of operating and maintaining the facilities and to provide and maintain the Improvement 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.

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, 1962, 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 the facilities 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 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 Building. 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.

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 of or 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 supplemental 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 Student Services Building 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 to the holders of all Bonds outstanding hereunder 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, 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 hereinbefore 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 by 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; and

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

(c) To provide for the issuance of additional Bonds for the completion of the Student Services Building, but only upon the terms and conditions specified in Section 4.02 hereof.

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, 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 acknowledgments 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 of or 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.

APPOINTMENT OF ASSISTANT TREASURER OF THE BOARD OF TRUSTEES

Mr. Swain offered the following resolution and moved its adoption:

Resolved by the Board of Trustees of the University of Illinois that pursuant to Section 3 of Article V of the By-Laws of this Board of Trustees the office of Assistant Treasurer be and the same is hereby created and that George H. Bargh be and he is hereby appointed as Assistant Treasurer of this Board of Trustees to have all the authority, powers, and duties of the Treasurer during any period of time when the Treasurer is unavailable or unable to act, and, in general, perform all such other duties as shall be assigned to him by the Treasurer or by this Board of Trustees, this appointment to be until further notice.

The foregoing resolution was adopted by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Harewood, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes,¹ Mr. Johnston, Mr. Kerner, Mr. Wilkins.

SECRETARY'S REPORTS

The Secretary presented for record the following lists: (1) appointments made by the President; (2) graduate fellows; (3) cancellations, declinations, and resignations; (4) leaves of absence; (5) retirements.

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.)

ALBERS, HENRY, Assistant Professor of Astronomy, June 19-August 12, 1961, \$2,000 (4-27-61).

APPLEGATE, SHELTON P., Instructor in Biological Sciences (Chicago Undergraduate Division), Summer Session of 1961, June 23 through August 18, 1961, \$1,156 for the period, supersedes previous Summer Session appointment (4-22-61).

BARRON, SAMUEL H., Clinical Assistant Professor of Pediatrics (Medicine), five months from April 1, 1961, without salary (4-22-61).

BARTLE, ROBERT G., Research Associate Professor of Mathematics, two months from June 16, 1961, \$2,111.10; this is in addition to his present appointment (4-28-61).

BARTRAM, HARLAN G. H., Research Assistant Professor of Education (University High School), August 14-25, 1961, \$441.67; this is in addition to his present appointment (4-28-61).

BEALS, ROBERT J., Associate Professor of Ceramic Engineering (S), full time, June 16-July 15, 1961, \$944.44 a month, and ½ time, July 16-August 15, 1961, \$472.22 a month; this is in addition to his present appointment (4-26-61).

BERGQUIST, JAMES M., Visiting Lecturer in Social Sciences (Chicago Undergraduate Division), Summer Session of 1961, ¾ time, June 23-August 18, 1961, \$741 for the period (4-22-61).

BIEBER, CHARLES L., Visiting Lecturer in Geology, Summer Session of 1961, ¾ time, August 14-September 9, 1961, \$875 for the period (4-26-61).

¹ Mr. Hughes was temporarily absent from the meeting when this vote was taken.—Secretary's Note.

- BLUEMEL, VAN F. W., Research Assistant in Physics (C), two months from June 16, 1961, \$444 a month (4-26-61).
- BRANDABUR, EDWARD J., Instructor in English, academic year beginning September 1, 1961, \$6,000 (4-28-61).
- BROWN, ROBERT C., Assistant in the Institute of Aviation, June 19-August 12, 1961, \$500 a month (4-26-61).
- BUBLITZ, DONALD E., Research Associate in Chemistry, five months from April 1, 1961, \$464.17 a month (4-26-61).
- CAROZZI, ALBERT V., Research Professor of Geology, June 19-August 12, 1961, \$2,555; this is in addition to his present appointment (4-28-61).
- CASTEN, CHRIS P., Research Assistant in Oral Pathology (Dentistry), five months from April 1, 1961, \$500 a month, supersedes (4-22-61).
- CHAMBERLAIN, ROBERT L., Instructor in English, $\frac{2}{3}$ time, academic year beginning September 1, 1961, \$4,000 (4-28-61).
- DAUBS, EDWIN H., Assistant in Botany, Summer Session of 1961, June 24-September 9, 1961, \$500 a month (4-26-61).
- DAY, MAHLON M., Professor of Mathematics, two months from June 16, 1961, \$1,722.22 a month; this is in addition to his present appointment (4-28-61).
- DEWAN, EDMUND, Assistant in Education (University High School), June 19-August 12, 1961, \$888.88 (4-27-61).
- DOBROVOLNY, JERRY S., Professor of General Engineering and Head of the Department (C), two months from June 16, 1961, \$1,222 a month; this is in addition to his present appointment (5-4-61).
- DOHM, CAROLE E., Assistant in Nursing, March 13-August 31, 1961, \$5,500 a year (4-11-61).
- DOUDNA, JO ANN M., Visiting Lecturer in Education, Summer Session of 1961, June 19-August 12, 1961, \$1,300 for the period (4-26-61).
- DWORSCHAK, FRIEDRICH, Research Associate in Physics (C), April 15-August 31, 1961, \$600 a month (4-10-61).
- ETTER, DONALD E., Research Assistant in the State Water Survey, two months from May 1, 1961, \$500 a month, supersedes (4-22-61).
- EVANS, CLARYCE L., Assistant in Education (University High School), June 19-August 12, 1961, \$888.88 (4-27-61).
- FARRELL, ROGER H., Research Associate in the Digital Computer Laboratory, June 15-August 31, 1961, \$600 a month (4-22-61).
- FRAENKEL, GOTTFRIED S., Professor of Entomology, two months from June 16, 1961, \$1,394.44 a month; this is in addition to his present appointment (4-28-61).
- FRIEDBERG, ARTHUR L., Professor of Ceramic Engineering (S), two months from June 16, 1961, \$1,305.55 a month; this is in addition to his present appointment (4-26-61).
- GADDY, OSCAR, Research Assistant in Electrical Engineering (S), five months from April 1, 1961, \$450 a month, supersedes (4-22-61).
- GAGE, NATHANIEL L., Professor of Education, Bureau of Educational Research, and Professor of Psychology, indefinite tenure from February 1, 1961, \$14,350 a year, supersedes (4-10-61).
- GRAF, WILLIAM, Assistant Professor of Engineering (Chicago Undergraduate Division), Summer Session of 1961, June 23-August 18, 1961, \$1,623 for the period (4-26-61).
- GRAZIANO, ANTHONY F., Research Associate in Mining and Metallurgical Engineering (C), five months from April 1, 1961, \$9,000 a year (4-10-61).
- HACKETT, BRIAN, Professor of Landscape Architecture, Department of City Planning and Landscape Architecture, indefinite tenure from March 1, 1961, to render service during each academic year, \$15,000 a year, supersedes (3-17-61).
- HAGNER, ARTHUR F., Professor of Geology, Summer Session of 1961, $\frac{1}{4}$ time, June 24-August 12, 1961, \$1,750 for the period (4-26-61).
- HELMS, LESTER L., Research Assistant Professor of Mathematics, two months from June 16, 1961, \$833.33 a month; this is in addition to his present appointment (4-28-61).
- HENDERSON, DONALD M., Research Associate Professor of Geology, June 19-August 12, 1961, \$1,867; this is in addition to his present appointment (4-28-61).

- JACKSON, JOSEPH F., Professor of French, 32/100 time, June 17-August 12, 1961, \$850; this is in addition to his present appointment (4-17-61).
- JOHNSON, DICK H., Spectroscopist in the Department of Chemistry and Chemical Engineering, April 10-August 31, 1961, \$416.66 a month (5-2-61).
- JOHNSON, HERMAN J., Associate Professor of Physics (Chicago Undergraduate Division), Summer Session of 1961, June 23-August 18, 1961, \$1,756 for the period (4-22-61).
- KAISER, HENRY F., Associate Professor of Education, Bureau of Educational Research, and Associate Professor of Psychology, indefinite tenure from February 1, 1961, \$10,850 a year, supersedes (4-10-61).
- KATHAN, RALPH, Research Associate in Biological Chemistry (Medicine), March 23-August 31, 1961, \$625 a month, supersedes (4-22-61).
- KERMAN, RALPH O., Visiting Lecturer in Physics, Summer Session of 1961, June 19-August 12, 1961, \$2,500 for the period (4-26-61).
- KERR, WILLIAM D., Supervisor of Testing and Counseling, and Instructor in Psychology in Extension (Extension Division), one year from September 1, 1961, \$3,000 (4-17-61).
- KINNEY, PAUL T., Assistant Professor of Finance, June 16-July 3, 1961, and September 6-15, 1961, \$900 a month; this is in addition to his present appointment (4-28-61).
- KIRK, SAMUEL A., Professor of Education and of Psychology, indefinite tenure, and Director of the Institute for Research on Exceptional Children, February 1-August 31, 1961, \$17,600 a year, supersedes (4-10-61).
- KLAPPERICH, ALFRED J., Assistant Professor of Engineering (Chicago Undergraduate Division), Summer Session of 1961, June 23-August 18, 1961, \$1,645 for the period (4-26-61).
- KLEIN, KURT, Assistant Professor of Russian, Summer Session of 1961, ½ time, June 19-August 12, 1961, \$834 for the period (4-17-61).
- KRIZAN, THOMAS F., Assistant Professor of Physical Education for Men, ¾ time, June 19-August 12, 1961, \$939; this is in addition to his present appointment (4-11-61).
- KUGEL, ERHARD G., Visiting Lecturer in Education, Summer Session of 1961, June 19-August 12, 1961, \$1,200 for the period (4-26-61).
- LEAF, GARY K., Research Assistant in Mathematics, two months from June 16, 1961, \$444.44 a month (4-17-61).
- LEE, RONALD, Research Associate in the Coordinated Science Laboratory (C), five months from April 1, 1961, \$575 a month (4-22-61).
- LEIN, MARIE E., Associate Professor of Foreign Languages (Chicago Undergraduate Division), Summer Session of 1961, June 23-August 18, 1961, \$1,778 for the period, supersedes previous Summer Session appointment (4-22-61).
- LUTON, JOSEPH M., JR., Assistant in the Institute of Aviation, June 19-August 12, 1961, \$450 a month (4-26-61).
- MARTINEZ, RAFAEL V., Instructor in Foreign Languages (Chicago Undergraduate Division), ¼ time, February 1-June 30, 1961, to render service during the second semester of the academic year, \$160 a month, supersedes (4-17-61).
- MAURER, CHARLES B., Assistant in Foreign Languages (Chicago Undergraduate Division), nine months from September 16, 1961, \$5,000 (4-27-61).
- MEISSEN, MARVIN F., Assistant in Soil Fertility (Agronomy) (S), June 16-August 31, 1961, \$416.67 a month (4-17-61).
- MERMALL, HUNTER L., Research Assistant in Preventive Medicine (Medicine), April 15-August 31, 1961, \$537.50 a month (4-22-61).
- METZGER, WILLIAM I., Research Associate in Preventive Medicine (Medicine), one year from September 1, 1961, without salary (4-22-61).
- MONTOMERY, GERALD G., Research Associate in the State Natural History Survey, four months from May 1, 1961, \$490 a month (4-17-61).
- MORRE, D. M., Research Assistant in Geology, June 19-August 12, 1961, \$845 (4-27-61).
- MUELLER, THOMAS J., Research Associate in Mechanical Engineering (C), ¼ time, April 1-June 15, 1961, \$333.33 a month (4-10-61).
- MYERS, ALBERT E., Instructor in Psychology, ½ time, April 1-June 15, 1961, \$166.67 a month, supersedes (4-26-61).
- NAKANISHI, NORIHIKO, Research Associate in Mining and Metallurgical Engineering (C), two months from June 16, 1961, \$583.33 a month; and one year from September 1, 1961, \$7,000 (4-27-61).

- OLSON, ROY E., Assistant Professor of Civil Engineering, Summer Session of 1961, $\frac{1}{2}$ time, June 19-August 12, 1961, \$700 for the period (4-28-61).
- PACHMUS, TEMIRA, Instructor in Russian, Summer Session of 1961, June 19-August 12, 1961, \$1,445 for the period (4-17-61).
- PENNIMAN, WILLIAM D., Editorial Assistant in the Engineering Experiment Station, two months from June 16, 1961, \$444.44 a month (4-26-61).
- PICKER, MARTIN, Instructor in Music, Summer Session of 1961, $\frac{1}{2}$ time, June 19-August 12, 1961, \$645 for the period (4-26-61).
- PILKANIS, WILLIAM J., Assistant in German, Summer Session of 1961, June 19-August 12, 1961, \$845 for the period (4-17-61).
- PRINCE, LOUISE, Head Resident, Lincoln Avenue Residence (North), three months from April 1, 1961, \$440 a month; for the convenience of the University, she will also receive an apartment and meals while the dining rooms are in operation, valued at \$31 a month, supersedes (4-17-61).
- PUTMAN, VIRGINIA H., Visiting Lecturer in Education, Summer Session of 1961, July 17-August 12, 1961, \$700 for the period (4-17-61).
- RACK, LEONARD, Clinical Instructor in Psychiatry (Medicine), five months from April 1, 1961, without salary (4-22-61).
- RAFF, MURNA J., Assistant in Electrical Engineering (C), April 1-June 15, 1961, \$444.44 a month (4-17-61).
- RAO, C. R., Research Assistant in Mathematics, two months from June 16, 1961, \$444.44 a month (4-17-61).
- RAO, M. BHIMASENA, Assistant in Food Technology (S), six months from March 1, 1961, \$4,800 a year, supersedes (4-22-61).
- RIVENBARK, WILLIAM L., Research Associate in Plant Physiology (Agronomy) (S), five months from April 17, 1961, \$500 a month (4-10-61).
- ROSLANSKY, MRS. PRISCILLA F., Research Associate in Chemistry, $\frac{1}{2}$ time, one year from September 1, 1961, \$3,400 (4-28-61).
- ROYSTER, RICHARD S., Assistant Professor of General Engineering (Chicago Undergraduate Division), Summer Session of 1961, June 23-August 18, 1961, \$1,645 for the period (4-26-61).
- RUGGIE, ALEXANDER N., Clinical Assistant Professor of Medicine (Medicine), six months from March 1, 1961, without salary, supersedes salaried appointment (4-10-61).
- SCHAYER, FREDERICK D., Assistant in the Institute of Aviation, June 19-August 12, 1961, \$450 a month (4-26-61).
- SCHWARZLOSE, PAUL F., Professor of Electrical Engineering, Department of Ceramic Engineering (S), two months from June 16, 1961, \$1,111.11 a month; this is in addition to his appointment as Professor of Electrical Engineering, Department of Electrical Engineering (4-26-61).
- SKAFF, MICHAEL S., Research Assistant in Mathematics, two months from June 16, 1961, \$444.44 a month (4-17-61).
- SMITH, HALBERT C., JR., Assistant in Finance, two months from June 16, 1961, \$422 a month (4-27-61).
- SPINOSA, FRANK, Visiting Artist in Music, Summer Session of 1961, $\frac{1}{3}$ time, June 19-August 12, 1961, \$282 for the period (4-26-61).
- STEEFEL, NINA M., Research Associate in Education (University High School), June 19-August 12, 1961, \$1,133.33; this is in addition to her present appointment (4-28-61).
- STORCH, RICHARD H., Research Assistant in Entomology, two months from June 16, 1961, \$400 a month (4-17-61).
- STREHLOW, ROGER A., Professor of Aeronautical Engineering (C), indefinite tenure from September 1, 1961, to render service during each academic year, \$12,000 a year (4-26-61).
- STROUT, ROSS P., Associate Professor of Mechanical Engineering, Summer Session of 1961, $\frac{1}{2}$ time, June 19-August 12, 1961, \$889 for the period (4-26-61).
- SWENSON, ROBERT H., Professor of Music, Summer Session of 1961, $\frac{1}{2}$ time, June 19-August 12, 1961, \$1,034 for the period (4-26-61).
- TOTTEN, STANLEY M., Research Assistant in Geology, two months from July 1, 1961, \$444.50 a month (4-10-61).
- VALEN, HENRY, Visiting Lecturer in Political Science, five months from September 1, 1961, to render service during the first semester of the academic year, \$1,200 a month (4-27-61).

- VARZANDEH, MASSOUD, Research Assistant in Economic Entomology (State Natural History Survey), five months from April 1, 1961, \$416.67 a month (4-11-61).
- VOGEL, WADE W., Assistant in the Institute of Aviation, June 19-August 12, 1961, \$450 a month (4-26-61).
- VORBECK, JOSEPH F., Assistant in the Institute of Aviation, June 19-August 12, 1961, \$500 a month (4-26-61).
- WACHSMAN, JOSEPH T., Assistant Professor of Microbiology, two months from June 16, 1961, \$777.77 a month; this is in addition to his present appointment (4-28-61).
- WALLACE, WILLIAM H., Assistant in Finance, two months from June 16, 1961, \$422 a month (4-27-61).
- WIED, DAGA M., Clinical Instructor in Psychiatry (Medicine), $\frac{1}{4}$ time, five months from April 1, 1961, \$258.33 a month, supersedes nonsalaried appointment (4-11-61).
- WILLNER, ERNEST S., Associate Professor of Foreign Languages (Chicago Undergraduate Division), Summer Session of 1961, June 23-August 18, 1961, \$1,823 for the period, supersedes previous Summer Session appointment (4-22-61).
- WILMS, ERNEST V., Research Assistant in Theoretical and Applied Mechanics (C), April 1-June 15, 1961, \$533.33 a month, supersedes (4-11-61).
- WYATT, STANLEY P., JR., Associate Professor of Astronomy, June 19-August 12, 1961, \$2,056; this is in addition to his present appointment (4-28-61).
- YASIN, KHALID M., Research Assistant in Theoretical and Applied Mechanics (C), April 1-June 15, 1961, \$466.67 a month, supersedes (4-12-61).
- YUSEM, MILTON, Research Associate in Clinical Science (Medicine), six months from March 1, 1961, \$7,200 a year, supersedes (4-22-61).

GRADUATE FELLOWS

(The following appointments made by the Dean of the Graduate College were approved on the date indicated in parentheses.)

- ABRAMSON, AMY F., United States Public Health Service Fellow (Trainee) in Psychology, nine months from September 16, 1961, \$1,800 (4-13-61).
- ADAMS, RUBY L. F., General Foods Fellow in Home Economics, nine months from September 16, 1961, \$3,000 (4-1-61).
- ADKINS, RICHARD W., Engineering Faculty Development Teaching Fellow in Mechanical Engineering, one year from September 1, 1961, \$1,750 (4-6-61).
- AHRENKIEL, RICHARD K., National Science Foundation Cooperative Fellow in Physics, one year from June 1, 1961, \$2,200 (4-26-61).
- ALLEN, DAVID T., Teaching Fellow in Chemistry, nine months from September 16, 1961, \$1,000 (4-1-61).
- ANDERSON, GERALD I., Summer Fellow in Architecture, two months from June 16, 1961, \$350 (4-18-61).
- ANDERSON, SONIA R., National Science Foundation Cooperative Fellow in Chemistry, nine months from September 1, 1961, \$1,650 (4-26-61).
- APPL, FRANKLIN J., Fellow (Teaching Intern) in Mechanical Engineering, nine months from September 16, 1961, \$2,000 (4-1-61).
- ASPINES, DAVID E., Fellow in Physics, nine months from September 16, 1961, \$1,650 (4-1-61).
- BAFUS, DONALD A., National Science Foundation Summer Fellow in Chemistry, June 16-September 8, 1961, \$900 (4-26-61).
- BARRETT, WILLIAM B., Summer Fellow in Accountancy, two months from June 16, 1961, \$350 (4-18-61).
- BARTHOLOMEW, CHARLES L., California Company Fellow in Civil Engineering, nine months from September 16, 1961, \$2,000 (4-18-61).
- BASS, JACK, Haloid Xerox Fellow in Physics, nine months from September 16, 1961, \$2,000 (5-1-61).
- BEELER, VIVIAN, JR., Summer Fellow in Geography, two months from June 16, 1961, \$350 (4-18-61).
- BENNETT, THOMAS J., Fellow in Political Science, nine months from September 16, 1961, \$1,500 (4-1-61).
- BEYER, CLAES G. L., Fellow in Law, nine months from September 16, 1961, \$2,000 (4-1-61).

- BEYLE, THAD L., Summer Fellow in Political Science, two months from June 16, 1961, \$350 (4-18-61).
- BINNING, BRIAN R., Fellow in Architecture, nine months from September 16, 1961, \$1,500 (4-1-61).
- BIRN, MRS. RANDI M., Summer Fellow in French, two months from June 16, 1961, \$350 (4-18-61).
- BLAIR, ALEXANDER M., Fellow in Geography, nine months from September 16, 1961, \$1,500 (4-1-61).
- BLAKE, J. BERNARD, Texas Instruments Foundation Fellow in Physics, nine months from September 16, 1961, \$2,000 (4-25-61).
- BLUCK, BRIAN J., Fellow in Geology, nine months from September 16, 1961, \$3,600 (4-12-61).
- BRAMSEN, JOHN D., Teaching Fellow in Mathematics, nine months from September 16, 1961, \$1,000 (4-1-61).
- BROOKS, ALFRED G., Summer Fellow in Speech, two months from June 16, 1961, \$350 (4-18-61).
- BUTTON, ALLEN C., Roger Adams Fellow in Chemistry, nine months from September 16, 1961, \$2,000 (4-1-61).
- CAMPBELL, JOHN M., Summer Fellow in Entomology, two months from June 16, 1961, \$350 (4-18-61); and Teaching Fellow in Entomology, nine months from September 16, 1961, \$1,000 (4-1-61).
- CARLSON, DONALD E., National Science Foundation Summer Fellow in Theoretical and Applied Mechanics, June 16-August 11, 1961, \$600 (4-26-61).
- CARLSON, ROBERT L., General Electric Foundation Fellow in Chemistry, nine months from September 16, 1961, \$2,500 (4-1-61).
- CARMEAN, STEPHEN L., Summer Fellow in Psychology, two months from June 16, 1961, \$350 (4-18-61).
- CARNIGHAN, ROBERT H., National Science Foundation Cooperative Fellow in Chemistry, one year from September 1, 1961, \$2,200 (4-26-61).
- CASTELLANO, CHARLES R., Fellow (Teaching Intern) in Mechanical Engineering, nine months from September 16, 1961, \$2,000 (4-1-61).
- CHANG, C. Y., Fellow in Civil Engineering, nine months from September 16, 1961, \$2,000 (4-1-61).
- CHEN, WAI-KAI, Fellow in Electrical Engineering, nine months from September 16, 1961, \$1,500 (4-1-61).
- CHERRINGTON, BLAKE E., Fellow (Teaching Intern) in Electrical Engineering, nine months from September 16, 1961, \$2,000 (4-12-61).
- CLARK, EVA L., Teaching Fellow in Chemistry, nine months from September 16, 1961, \$1,000 (4-1-61).
- CLARK, HERBERT J., Summer Fellow in Psychology, two months from June 16, 1961, \$350 (4-18-61); and Fellow in Psychology, nine months from September 16, 1961, \$1,500 (4-1-61).
- CLARK, WILLIAM A. V., Teaching Fellow in Geography, nine months from September 16, 1961, \$1,000 (4-1-61).
- CLAVELLE, RICHARD F., Fellow in the Classics, nine months from September 16, 1961, \$1,500 (4-1-61).
- COATES, DAVID E., Engineering Faculty Development Teaching Fellow in Nuclear Engineering, one year from September 1, 1961, \$2,000 (4-6-61).
- COFFEY, ROBERT E., Teaching Fellow in Business, nine months from September 16, 1961, \$1,000 (4-1-61).
- COHEN, LEONARD S., Union Carbide Corporation (Visking) Fellow in Chemical Engineering, nine months from September 16, 1961, \$2,100 (4-6-61).
- COLLINS, JACQUELIN, Summer Fellow in History, two months from June 16, 1961, \$350 (4-18-61).
- COULTER, WILLIAM R., Summer Fellow in History, two months from June 16, 1961, \$350 (4-18-61).
- COVERDALE, CHARLES E., Summer Fellow in Chemistry, two months from June 16, 1961, \$350 (4-18-61); and Fellow in Chemistry, nine months from September 16, 1961, \$1,650 (4-1-61).
- COX, KEVIN R., Fellow in Geography, nine months from September 16, 1961, \$1,500 (4-1-61).
- CRILEY, BRUCE B., National Science Foundation Summer Fellow in Zoology, June 16-September 8, 1961, \$900 (4-26-61).

- CRITTENDEN, BRIAN S., Fellow in Education, February 1-June 15, 1962, \$750 (4-10-61).
- CROSS, JOHN S., Summer Fellow in Mathematics, two months from June 16, 1961, \$350 (4-18-61).
- CUNNINGHAM, RICHARD E., Summer Fellow in English, two months from June 16, 1961, \$350 (4-18-61).
- DACHOWSKI, LAWRENCE W., Summer Fellow in Psychology, two months from June 16, 1961, \$350 (4-18-61).
- DAVIS, DANIEL J., Fellow (Teaching Intern) in Electrical Engineering, nine months from September 16, 1961, \$2,000 (4-1-61).
- DISKIN, MORDECHAI H., Fellow in Civil Engineering, nine months from September 16, 1961, \$1,500 (4-1-61).
- DONOVAN, DENNIS G., Summer Fellow in English, two months from June 16, 1961, \$350 (4-18-61).
- DONKAMP, JOHN H., Summer Fellow in English, two months from June 16, 1961, \$350 (4-18-61).
- DOUGLAS, STEVE A., Teaching Fellow in Political Science, nine months from September 16, 1961, \$1,000 (4-1-61).
- DRAKE, KENNETH O., Teaching Fellow in Music, nine months from September 16, 1961, \$1,000 (4-1-61).
- ENDICOTT, JOHN S., Fellow in Civil Engineering, nine months from September 16, 1961, \$1,500 (4-1-61).
- FARVOLDEN, ROBERT N., Fellow in Geology, nine months from September 16, 1961, \$2,000 (4-1-61).
- FITCHEN, DOUGLAS B., Union Carbide Corporation Fellow in Physics, nine months from September 16, 1961, \$2,100 (5-1-61).
- FRAZER, W. DONALD, Fellow in the Digital Computer Laboratory, nine months from September 16, 1961, \$1,500 (4-1-61).
- FREED, JAMES M., Fellow in Physiology, nine months from September 16, 1961, \$1,500 (4-1-61).
- FULLAGAR, PAUL D., Fellow in Geology, nine months from September 16, 1961, \$1,500 (4-1-61).
- GEIL, WILMA J., Fellow in Music, nine months from September 16, 1961, \$2,000 (4-1-61).
- GEORGE, JAMES E., Summer Fellow in Chemistry, two months from June 16, 1961, \$350 (4-18-61).
- GOLDMAN, BARBARA E., Fellow in Music, nine months from September 16, 1961, \$1,500 (4-1-61).
- GOLIK, RAYMOND J., Engineering Faculty Development Teaching Fellow in Mechanical Engineering, September 16, 1961-January 31, 1962, \$1,000 (4-6-61).
- GOODALL, LEONARD E., Kendrick C. Babcock Fellow in Political Science, nine months from September 16, 1961, \$1,800 (4-1-61).
- GOVINDJEE, MRS. RAJNI, United States Public Health Service Postdoctoral Fellow (Trainee) in the Biophysics Division of School of Life Sciences, one year from September 1, 1961, \$6,000 (4-20-61).
- GRAY, RALPH D., Summer Fellow in History, two months from June 16, 1961, \$350 (4-18-61).
- GRIMM, CLYDE L., JR., Summer Fellow in English, two months from June 16, 1961, \$350 (4-18-61).
- GROSSMAN, MARVIN W., Fellow in Mathematics, nine months from September 16, 1961, \$1,650 (4-1-61).
- GUBER, ALBERT L., National Science Foundation Summer Fellow in Geology, June 16-September 8, 1961, \$900 (4-26-61).
- GUELICK, ROBERT A., Wheaton College Fellow in the Classics, nine months from September 16, 1961, \$1,500 (4-1-61).
- GULATI, BODH R., Summer Fellow in Mathematics, two months from June 16, 1961, \$350 (4-18-61).
- HADLEY, ELMER B., National Science Foundation Summer Fellow in Botany, June 16-September 8, 1961, \$900 (4-26-61).
- HAFFEE, JOSEPH C., Raytheon Manufacturing Company Fellow in Physics, nine months from September 16, 1961, \$2,300 (5-1-61).
- HARRISON, WILLARD W., Drug and Chemical Industry Summer Fellow in Chemistry, two months from June 16, 1961, \$500 (4-14-61).

- HARTMAN, ROBERT D., Summer Fellow in Education, two months from June 16, 1961, \$350 (4-18-61).
- HAYNES, RAYMOND R., Allied Chemical Corporation Fellow in Chemistry, nine months from September 16, 1961, \$2,000 (4-1-61).
- HEIDORN, ROBERT D., Summer Fellow in Political Science, two months from June 16, 1961, \$350 (4-18-61); and Fellow in Political Science, nine months from September 16, 1961, \$1,500 (4-1-61).
- HELLER, CHARLES F., JR., Summer Fellow in Geography, two months from June 16, 1961, \$350 (4-18-61).
- HENRY, CHARLES H., National Science Foundation Cooperative Fellow in Physics, one year from June 16, 1961, \$2,200 (4-26-61).
- HERMANN, ANITA L., Fellow in Education, nine months from September 16, 1961, \$1,500 (4-1-61).
- HILL, HOWARD W., Teaching Fellow in Ceramic Engineering, nine months from September 16, 1961, \$1,000 (4-1-61).
- HINMAN, EUGENE J., Fellow in Electrical Engineering, nine months from September 16, 1961, \$1,500 (4-1-61).
- HOFFMAN, MRS. GLORIA L., Summer Fellow in Home Economics, two months from June 16, 1961, \$350 (4-18-61).
- HOLMGREEN-OLSEN, AGNETE, Fellow in Law, nine months from September 16, 1961, \$1,500 (4-1-61).
- HOLTZ, ROBERT E., The Trane Company Fellow in Mechanical Engineering, nine months from September 16, 1961, \$1,750 (4-6-61).
- HOUCHEMS, ALBERT F., Fellow (Teaching Intern) in Mechanical Engineering, nine months from September 16, 1961, \$2,000 (4-1-61).
- HOWALD, EMILY S., Fellow in Advertising, nine months from September 16, 1961, \$1,500 (4-1-61).
- HSIAO, THEODORE C., Wright Fellow in Agronomy, nine months from September 16, 1961, \$1,500 (4-1-61).
- HUDNALL, CLAYTON E., Fellow in English, nine months from September 16, 1961, \$1,500 (4-1-61).
- HUFFAKER, DONALD C., Engineering Faculty Development Teaching Fellow in Theoretical and Applied Mechanics, one year from September 1, 1961, \$2,000 (4-6-61).
- HUGHES, GEORGE M., Summer Fellow in Geology, two months from June 16, 1961, \$350 (4-18-61).
- HUNTER, JOHN E., United States Public Health Service Fellow (Trainee) in Psychology, nine months from September 16, 1961, \$1,800 (4-1-61).
- HUTCHISON, JOHN J., Fellow in Chemistry, nine months from September 16, 1961, \$1,650 (4-1-61).
- IKEDA, HIROSHI, Fellow in Education, nine months from September 16, 1961, \$1,500 (4-1-61).
- INTERRANTE, LEONARD V., National Science Foundation Cooperative Fellow in Chemistry, one year from September 1, 1961, \$2,200 (4-26-61).
- JARMAY, ELISABETH, Fellow in Chemistry, nine months from September 16, 1961, \$1,650 (4-1-61).
- JEFFERSON, LOUISE M., Summer Fellow in French, two months from June 16, 1961, \$350 (4-18-61).
- JENKINSON, JUDY M., Fellow in French, nine months from September 16, 1961, \$1,500 (4-1-61).
- JIRSA, JAMES O., Fellow in Civil Engineering, nine months from September 16, 1961, \$1,500 (4-1-61).
- JOESTEN, MELVIN D., United States Rubber Company Fellow in Chemistry, nine months from September 16, 1961, \$2,100 (4-1-61).
- JOHNSON, B. ROBERT, Convair Fellow in Physics, nine months from September 16, 1961, \$2,000 (5-1-61).
- JOHNSON, ROBERT C., Summer Fellow in English, two months from June 16, 1961, \$350 (4-18-61).
- JOHNSON, WILLIAM H., National Science Foundation Summer Fellow in Geology, June 16-September 8, 1961, \$900 (4-26-61); and Fellow in Geology, nine months from September 16, 1961, \$1,500 (4-1-61).
- JONES, MARY L., Summer Fellow in Spanish, two months from June 16, 1961, \$350 (4-18-61).

- JONES, ROBERT M., National Science Foundation Cooperative Fellow in Civil Engineering, nine months from September 1, 1961, \$1,650 (4-26-61).
- KAIN, MARGARET A., Summer Fellow in Botany, two months from June 16, 1961, \$350 (4-18-61).
- KAMINSKY, MURIEL, Summer Fellow in Anthropology, two months from June 16, 1961, \$350 (4-18-61).
- KANAMARU, SHIRO, Fellow in Marketing, nine months from September 16, 1961, \$1,500 (4-1-61).
- KARDOS, JOHN L., Fellow in Chemical Engineering, nine months from September 16, 1961, \$1,650 (4-1-61).
- KARLIN, ARTHUR D., Fellow in Accountancy, nine months from September 16, 1961, \$1,500 (4-1-61).
- KARNER, FRANK R., National Science Foundation Summer Fellow in Geology, June 16-September 8, 1961, \$900 (4-26-61).
- KERSCHULL, HARVEY G., Fellow in Political Science, nine months from September 16, 1961, \$1,500 (4-1-61).
- KELLY, THOMAS, Fellow in History, nine months from September 16, 1961, \$1,500 (4-1-61).
- KENNEDY, EDWARD D., Fellow in English, nine months from September 16, 1961, \$1,500 (4-1-61).
- KIESO, DONALD E., Summer Fellow in Accountancy, two months from June 16, 1961, \$350 (4-18-61).
- KILLIAN, MRS. MARILYN R., Teaching Fellow in Music, nine months from September 16, 1961, \$1,000 (4-1-61).
- KIMBROUGH, JOE A., Summer Fellow in English, two months from June 16, 1961, \$350 (4-18-61).
- KIMBROUGH, MRS. MARY A. B., Summer Fellow in French, two months from June 16, 1961, \$350 (4-18-61).
- KITAHARA, MICHIO, Fellow in Anthropology, nine months from September 16, 1961, \$1,500 (4-1-61).
- KLASSEN, FRANK H., Summer Fellow in Education, two months from June 16, 1961, \$350 (4-18-61).
- KLEIN, RICHARD M., Dow Chemical Company Fellow in Chemistry, nine months from September 16, 1961, \$1,800 (4-1-61).
- KIEWER, KENNETH L., United States Steel Foundation Fellow in Physics, nine months from September 16, 1961, \$2,100 (5-1-61).
- KUMPKA, DONNA M., Fellow in Library Science, nine months from September 16, 1961, \$1,500 (4-1-61).
- KOBAN, CHARLES, Summer Fellow in English, two months from June 16, 1961, \$350 (4-18-61).
- KORSH, JAMES F., Fellow (Teaching Intern) in Electrical Engineering, nine months from September 16, 1961, \$2,000 (4-1-61).
- KRAMER, HERBERT, Fellow in City Planning, nine months from September 16, 1961, \$1,500 (4-1-61).
- LAMBERT, VIRGINIA A., Fellow in Art, nine months from September 16, 1961, \$1,500 (4-1-61).
- LAXBERG, GEORGE, National Science Foundation Summer Fellow in Mathematics, June 16-September 8, 1961, \$900 (4-26-61).
- LANGE, IRENE L., Fellow in Marketing, nine months from September 16, 1961, \$1,500 (4-1-61).
- LARSON, CARL S., Summer Fellow in Mechanical Engineering, two months from June 16, 1961, \$350 (4-18-61).
- LEAF, GARY K., National Science Foundation Summer Fellow in Mathematics, June 16-September 8, 1961, \$900 (4-26-61).
- LEAVY, JOHN M., United States Public Health Service Fellow (Trainee) in Psychology, nine months from September 16, 1961, \$1,800 (4-13-61).
- LEHMAN, JOHN C., Summer Fellow in Speech, two months from June 16, 1961, \$350 (4-18-61).
- LEWIS, ROBERT W., JR., Summer Fellow in English, two months from June 16, 1961, \$350 (4-18-61).
- LIDE, FRANCIS P., JR., Summer Fellow in German, two months from June 16, 1961, \$350 (4-18-61).

- LONG, WILLIAM H., Fellow in Geography, nine months from September 16, 1961, \$1,500 (4-1-61).
- MARCHIELE, DELWYN E., Summer Fellow in Chemistry, two months from June 16, 1961, \$350 (4-18-61).
- MARDEN, PHILIP W., Summer Fellow in Sociology, two months from June 16, 1961, \$350 (4-18-61).
- MARTIN, PRESTON K., Koppers Foundation Summer Fellow in Chemistry, two months from June 16, 1961, \$600 (4-14-61).
- MARTINO, FRANK, Summer Fellow in Physics, two months from June 16, 1961, \$350 (4-18-61).
- MCADAMS, H. H., JR., Summer Fellow in Physics, two months from June 16, 1961, \$350 (4-18-61).
- MCBRIDE, JOHN D., Teaching Fellow in English, nine months from September 16, 1961, \$1,000 (4-1-61).
- MCCONOCHIE, JEAN A., Summer Fellow in Speech, two months from June 16, 1961, \$350 (4-18-61).
- MCCORMICK, JAMES L., Fellow in Chemical Engineering, nine months from September 16, 1961, \$2,000 (4-1-61).
- McKAY, DONALD E., JR., Summer Fellow in Chemistry, two months from June 16, 1961, \$350 (4-18-61).
- McMILLAN, MRS. JOYCE A., Fellow in Chemistry, nine months from September 16, 1961, \$1,650 (4-1-61).
- McMILLAN, WILLIAM L., National Science Foundation Cooperative Fellow in Physics, one year from September 1, 1961, \$2,200 (4-26-61).
- McMURRAY, WALTER J., Sinclair Research Laboratories Fellow in Chemistry, nine months from September 16, 1961, \$1,800 (4-1-61).
- McNUTT, MARTHA A., Fellow in Spanish, nine months from September 16, 1961, \$1,500 (4-1-61).
- MCQUEEN, WILLIAM A., Summer Fellow in English, two months from June 16, 1961, \$350 (4-18-61).
- MEINZER, RICHARD A., National Science Foundation Summer Fellow in Chemistry, June 16-September 8, 1961, \$900 (4-26-61).
- METHREN, CAROLE L., Summer Fellow in Sociology, two months from June 16, 1961, \$350 (4-18-61).
- MEYER, LUIS F., Fellow in Civil Engineering, nine months from September 16, 1961, \$1,500 (4-1-61).
- MIDDAUGH, RICHARD L., National Science Foundation Summer Fellow in Chemistry, June 16-September 8, 1961, \$900 (4-26-61); and Fellow in Chemistry, nine months from September 16, 1961, \$1,650 (4-1-61).
- MIECH, RONALD J., National Science Foundation Summer Fellow in Mathematics, June 16-September 8, 1961, \$900; and National Science Foundation Cooperative Fellow in Mathematics, one year from September 1, 1961, \$2,200 (4-26-61).
- MILLER, JAMES L., National Science Foundation Summer Fellow in Entomology, June 16-September 1, 1961, \$825 (4-26-61).
- MILOSH, JOSEPH E., JR., Summer Fellow in English, two months from June 16, 1961, \$350 (4-18-61).
- MISCHKE, RICHARD E., Fellow in Physics, nine months from September 16, 1961, \$1,650 (4-1-61).
- MOFFETT, ELIZABETH J., Summer Fellow in Linguistics, two months from June 16, 1961, \$350 (4-18-61).
- MONTGOMERY, DAVID C., Summer Fellow in Physics, two months from June 16, 1961, \$350 (4-18-61).
- MOORE, HAROLD W., Phillips Petroleum Company Fellow in Chemistry, nine months from September 16, 1961, \$2,000 (4-1-61).
- MOTIL, JOHN M., Fellow (Teaching Intern) in Electrical Engineering, nine months from September 16, 1961, \$2,000 (4-1-61).
- MUSLINER, WALTER J., Summer Fellow in Chemistry, two months from June 16, 1961, \$350 (4-18-61); and Fellow in Chemistry, nine months from September 16, 1961, \$1,650 (4-1-61).
- MYERS, NORMAN J., Teaching Fellow in Spanish, nine months from September 16, 1961, \$1,000 (4-1-61).
- NEYLON, EDWARD L., Summer Fellow in Music, two months from June 16, 1961, \$350 (4-18-61).

- NIEDZIELSKI, ROBERT J., National Science Foundation Summer Fellow in Chemistry, June 16-September 8, 1961, \$900 (4-26-61).
- NUESE, CHARLES J., Fellow (Teaching Intern) in Electrical Engineering, nine months from September 16, 1961, \$2,000 (4-1-61).
- O'CONNELL, DANIEL C., National Science Foundation Cooperative Fellow in Psychology, one year from September 1, 1961, \$2,200 (4-26-61).
- O'FALLON, JOHN R., Summer Fellow in Physics, two months from June 16, 1961, \$350 (4-18-61).
- PAHEL, KENNETH R., Summer Fellow in Philosophy, two months from June 16, 1961, \$350 (4-18-61).
- PALETZ, MERRILL D., United States Public Health Service Fellow (Trainee) in Psychology, nine months from September 16, 1961, \$1,800 (4-21-61).
- PALMER, LEONARD L., Mathematics Institute Fellow in Mathematics, three months from March 16, 1961, \$1,450, supersedes; and two months from June 16, 1961, \$960, supersedes (4-19-61).
- PALMER, RICHARD A., Fellow in Chemistry, nine months from September 16, 1961, \$1,650 (4-1-61).
- PANNAM, CLIFFORD L., Summer Fellow in Law, two months from June 16, 1961, \$350 (4-18-61).
- PARK, LESLIE JANE, National Science Foundation Summer Fellow in Chemistry, June 16-August 11, 1961, \$600 (4-26-61).
- PASHINAK, DANIEL W., Fellow (Teaching Intern) in Mechanical Engineering, nine months from September 16, 1961, \$2,600 (4-25-61).
- PATEL, ARVINDKUMAR M., Fellow in Electrical Engineering, nine months from September 16, 1961, \$1,500 (4-1-61).
- PAYETTE, GILLES, Fellow in Electrical Engineering, nine months from September 16, 1961, \$1,500 (4-1-61).
- PEREZ-ALBUERNE, EVELIO A., Fellow in Chemical Engineering, nine months from September 16, 1961, \$1,650 (4-1-61).
- PERROTT, SANDRA J., General Foods Fellow in Home Economics, nine months from September 16, 1961, \$3,000 (4-1-61).
- PERRY, MARCIA A., Fellow in English, nine months from September 16, 1961, \$1,500 (4-1-61).
- PETROVICH, JOHN P., Summer Fellow in Chemistry, two months from June 16, 1961, \$350 (4-18-61).
- PHILBLAD, JAMES R., Teaching Fellow in Electrical Engineering, nine months from September 16, 1961, \$1,000 (4-1-61).
- PHILLIPS, EUGENE A., Summer Fellow in Economics, two months from June 16, 1961, \$350 (4-18-61).
- PICKENS, WILLIAM F., Fellow in Chemistry, nine months from September 16, 1961, \$1,650 (4-1-61).
- PISTERZI, MICHAEL J., Teaching Fellow in Electrical Engineering, nine months from September 16, 1961, \$1,000 (4-1-61).
- PLAMBECK, JAMES A., Summer Fellow in Chemistry, two months from June 16, 1961, \$350 (4-18-61).
- PLEVAN, ROBERT E., Fellow in Chemical Engineering, nine months from September 16, 1961, \$1,650 (4-1-61).
- POSTMA, THOMAS E., Fellow (Teaching Intern) in Electrical Engineering, nine months from September 16, 1961, \$2,000 (4-1-61).
- QUILTER, DANIEL E., Fellow in Spanish, nine months from September 16, 1961, \$1,500 (4-1-61).
- RAGSDALE, JAMES D., JR., Fellow in Speech, nine months from September 16, 1961, \$1,500 (4-1-61).
- RAGSDALE, JULIA A., Summer Fellow in French, two months from June 16, 1961, \$350 (4-18-61).
- RAINER, HANS, Fellow in Civil Engineering, nine months from September 16, 1961, \$1,500 (4-1-61).
- RAM, RISHI, Fellow in Agronomy, nine months from September 16, 1961, \$1,500 (4-1-61).
- RANDALL, WILLIAM J., National Science Foundation Summer Fellow in Chemistry, June 16-September 8, 1961, \$900 (4-26-61).
- RANKIN, W. DONALD, Fellow in Music, nine months from September 16, 1961, \$1,500 (4-1-61).

- RAUSCH, PAUL J., Engineering Faculty Development Teaching Fellow in Theoretical and Applied Mechanics, one year from September 1, 1961, \$2,000 (4-6-61).
- RHODES, YORKE E., JR., Drug and Chemical Industry Summer Fellow in Chemistry, two months from June 16, 1961, \$500 (4-14-61); and Gillette-Toni Fellow in Chemistry, nine months from September 16, 1961, \$2,500 (4-1-61).
- RICHARDS, BONNITA M., General Foods Fellow in Home Economics, nine months from September 16, 1961, \$3,000 (4-1-61).
- RICKARD, THOMAS E., Summer Fellow in Education, two months from June 16, 1961, \$350 (4-18-61).
- RICKHOFF, WILLIAM L., Fellow (Teaching Intern) in Electrical Engineering, nine months from September 16, 1961, \$2,600 (4-1-61).
- RIGGS, ELLIOTT A., National Science Foundation Summer Fellow in Geology, June 16-September 8, 1961, \$900 (4-26-61).
- RIGGS, GEORGE T., Fellow in History, nine months from September 16, 1961, \$1,500 (4-1-61).
- ROBINSON, RAYMOND C., JR., Fellow in City Planning, nine months from September 16, 1961, \$1,500 (4-1-61).
- ROGERS, LEROY F., Wright Fellow in Agricultural Economics, nine months from September 16, 1961, \$1,500 (4-1-61).
- ROLEY, PAUL L., Fellow in History, nine months from September 16, 1961, \$1,500 (4-1-61).
- ROSEMAN, NORMAN, Summer Fellow in Education, two months from June 16, 1961, \$350 (4-18-61).
- ROSENFELD, SIDNEY, Summer Fellow in German, two months from June 16, 1961, \$350 (4-18-61).
- ROSENKRANTZ, WALTER A., National Science Foundation Cooperative Fellow in Mathematics, one year from June 16, 1961, \$2,200 (4-26-61).
- ROWE, JOHN W., JR., Summer Fellow in Economics, two months from June 16, 1961, \$350 (4-18-61).
- ROY, HEDLEY E. H., Fellow in Civil Engineering, nine months from September 16, 1961, \$1,500 (4-1-61).
- RUBLEIN, GEORGE T., National Science Foundation Cooperative Fellow in Mathematics, one year from September 1, 1961, \$2,200 (4-26-61).
- RUSSELL, ROBB N., Fellow (Teaching Intern) in Electrical Engineering, nine months from September 16, 1961, \$2,000 (4-21-61).
- RUSSWURM, LORNE H., Teaching Fellow in Geography, nine months from September 16, 1961, \$1,000 (4-1-61).
- SANDERS, JOHN M., Summer Fellow in Law, two months from June 16, 1961, \$350 (4-18-61).
- SANTAS, CONSTANTINE, Knox College Fellow in English, nine months from September 16, 1961, \$1,500 (4-1-61).
- SANTOW, LEONARD J., Summer Fellow in Finance, two months from June 16, 1961, \$350 (4-18-61).
- SARWINSKI, RAYMOND J., Minnesota Mining and Manufacturing Company Fellow in Physics, nine months from September 16, 1961, \$2,000 (5-1-61).
- SCHULTZ, JOHN E., Fellow in Chemistry, nine months from September 16, 1961, \$1,650 (4-1-61).
- SCHWARTZ, SANDRA L., Summer Fellow in Philosophy, two months from June 16, 1961, \$350 (4-18-61).
- SCOGGINS, JAMES L., Summer Fellow in English, two months from June 16, 1961, \$350 (4-18-61).
- SGOUTAS, DEMETRIUS, Fellow in Food Technology, nine months from September 16, 1961, \$1,500 (4-1-61).
- SICA, PAOLO, Fellow in Architecture, nine months from September 16, 1961, \$2,000 (4-1-61).
- SIMS, LESLIE B., National Science Foundation Cooperative Fellow in Chemistry, one year from June 16, 1961, \$2,200 (4-26-61).
- SINE, ROBERT C., National Science Foundation Cooperative Fellow in Mathematics, one year from June 16, 1961, \$2,200 (4-26-61).
- SMITH, KENNETH N., Fellow in Civil Engineering, nine months from September 16, 1961, \$1,500 (4-1-61).
- SPICER, LARRY D., National Science Foundation Cooperative Fellow in Chemistry, one year from September 1, 1961, \$2,200 (4-26-61).

- SPITZER, ROBERT E., Fellow in Aeronautical Engineering, nine months from September 16, 1961, \$1,500 (4-1-61).
- STADT, RONALD W., Summer Fellow in Education, two months from June 16, 1961, \$350 (4-18-61).
- STAMBAUGH, ROBERT L., National Science Foundation Cooperative Fellow in Chemistry, one year from September 1, 1961, \$2,200 (4-26-61).
- STARNES, THOMAS C., JR., Fellow in German, nine months from September 16, 1961, \$1,500 (4-1-61).
- STEIN, ALLAN R., Summer Fellow in Chemistry, two months from June 16, 1961, \$350 (4-18-61).
- SU, JULIA K., Fellow in Chemistry, nine months from September 16, 1961, \$1,650 (4-1-61).
- SUTHERLAND, DANIEL W., Fellow in Mechanical Engineering, nine months from September 16, 1961, \$1,500 (4-1-61).
- SWANSON, KARIN A., Fellow in Music, nine months from September 16, 1961, \$1,500 (4-1-61).
- SWEENEY, WILLIAM E., JR., Summer Fellow in Physics, two months from June 16, 1961, \$350 (4-18-61).
- SWOFFORD, HAROLD S., JR., Socony-Mobil Oil Company Fellow in Chemistry, nine months from September 16, 1961, \$2,000 (4-1-61).
- TEXTORIS, DANIEL A., Summer Fellow in Geology, two months from June 16, 1961, \$350 (4-18-61).
- THOMS, ROBERT L., Engineering Faculty Development Teaching Fellow in Theoretical and Applied Mechanics, nine months from September 16, 1961, \$1,400 (4-6-61).
- TOBEY, ROBERT A., National Science Foundation Summer Fellow in Microbiology, June 16-September 8, 1961, \$900 (4-26-61).
- TOURELLE-LICHTENSTEIN, JEAN P., Fellow in Civil Engineering, nine months from September 16, 1961, \$1,500 (4-1-61).
- TREVES, VANNI E., Fellow in Law, nine months from September 16, 1961, \$1,500 (4-1-61).
- TSANG, FLORIS Y., Fellow in Chemistry, nine months from September 16, 1961, \$1,650 (4-1-61).
- TSUBAKI, ANDREW T., Fellow in Speech, nine months from September 16, 1961, \$1,500 (4-1-61).
- TUCKER, JOSEPH B., Summer Fellow in Political Science, two months from June 16, 1961, \$350 (4-18-61); and Kendrick C. Babcock Fellow in Political Science, nine months from September 16, 1961, \$1,800 (4-1-61).
- UEBEL, JACOB J., Sun Oil Company Fellow in Chemistry, nine months from September 16, 1961, \$2,300 (4-1-61).
- UECKER, FRANCIS A., National Science Foundation Summer Fellow in Botany, June 16-September 8, 1961, \$900 (4-26-61).
- UPPER, CHRISTEN D., Fellow in Chemistry, nine months from September 16, 1961, \$1,650 (4-1-61).
- UZGIRIS, MRS. INA C., Teaching Fellow in Psychology, nine months from September 16, 1961, \$1,000 (4-1-61).
- VISCO, ROBERT E., Electrochemical Society Summer Fellow in Chemistry, two months from June 16, 1961, \$800 (4-21-61).
- WAGNER, CURTIS A., National Science Foundation Cooperative Fellow in Physics, September 16, 1961-August 31, 1962, \$2,200 (4-26-61).
- WALKER, DONALD L., JR., Teaching Fellow in Landscape Architecture, nine months from September 16, 1961, \$1,000 (4-1-61).
- WALL, MARGARET L., Fellow in English, nine months from September 16, 1961, \$1,500 (4-1-61).
- WALTERS, JOHN P., Koppers Foundation Summer Fellow in Chemistry, two months from June 16, 1961, \$600 (4-14-61).
- WALTERS, WILLIAM B., National Science Foundation Summer Fellow in Chemistry, June 16-August 11, 1961, \$600 (4-26-61).
- WARD, WILLIAM J., III, Monsanto Chemical Company Fellow in Chemical Engineering, nine months from September 16, 1961, \$1,900 (4-1-61).
- WEBBER, WILDA R., Therese Garner Fellow in Political Science, nine months from September 16, 1961, \$1,800 (4-1-61).
- WEBER, CALVIN E., Fellow in Music, nine months from September 16, 1961, \$1,500 (4-1-61).

- WEDEKIND, GILBERT L., Teaching Fellow in Mechanical Engineering, nine months from September 16, 1961, \$1,000 (4-20-61).
- WHITTAKER, FREDERICK H., Summer Fellow in Zoology, two months from June 16, 1961, \$350 (4-18-61).
- WILDING, LAWRENCE P., Campbell Soup Company Fellow in Plant Sciences, nine months from September 16, 1961, \$2,400 (4-18-61).
- WILSON, WILLIAM E., III, Fellow in Geology, nine months from September 16, 1961, \$1,500 (4-1-61).
- WOLTER, KARL H., Fellow in Art, nine months from September 16, 1961, \$2,000 (4-1-61).
- WOODFORD, JOHN H., Summer Fellow in Architecture, two months from June 16, 1961, \$350 (4-18-61).
- WOOLLEY, DALE E., Summer Fellow in Speech, two months from June 16, 1961, \$350 (4-18-61).
- WRIGHT, RAMIL, Fellow in Geology, nine months from September 16, 1961, \$1,500 (4-1-61).
- WYZALEK, MONICA J., National Science Foundation Summer Fellow in Mathematics, June 16-September 8, 1961, \$900 (4-26-61).
- YATABE, JON M., Fellow in Chemical Engineering, nine months from September 16, 1961, \$1,650 (4-1-61).
- YOOK, WANSOON, Teaching Fellow in Dance, nine months from September 16, 1961, \$1,000 (4-1-61).

RESIGNATIONS, DECLINATIONS, AND CANCELLATIONS

- BELLOWS, SYLVIA D., United States Health, Education, and Welfare Fellow (Trainee) in Vocational Rehabilitation in Education—resignation effective April 15, 1961.
- CARLSON, CLARENCE I., Professor of General Engineering (Chicago Undergraduate Division), Summer Session of 1961—declination effective June 23, 1961.
- COX, CLIFFORD E., Fellow in Chemistry—resignation effective May 1, 1961.
- DAVISSON, MELVIN T., Assistant Professor of Civil Engineering, Summer Session of 1961—declination effective June 19, 1961.
- ELBINGER, REBECCA L., Assistant Professor of Chemistry (Chicago Undergraduate Division)—resignation effective September 1, 1961.
- GOVINDJEE, Postdoctoral Fellow in Physiology-Biophysics—resignation effective May 16, 1961.
- GOVINDJEE, MRS. RAJNI, Research Assistant in Botany—resignation effective May 1, 1961.
- GRILLO, MARIA A., Research Associate in Animal Science—resignation effective May 13, 1961.
- HANDLEY, CHARLES A., National Institute of Mental Health Fellow (Trainee) in Social Work—resignation effective April 1, 1961.
- HRADEK, RICHARD W., Research Associate in Theoretical and Applied Mechanics—resignation effective May 21, 1961.
- JOHNSON, FALK S., Associate Professor of English (Chicago Undergraduate Division), Summer Session of 1961—resignation effective June 23, 1961.
- KELLOW, WILLIAM F., Associate Dean of the College of Medicine and Associate Professor of Medicine—resignation effective July 1, 1961.
- KOCH, HARRIET B., Instructor in Nursing—declination effective January 1, 1961.
- KRAUSE, RALPH M., Assistant Professor of Mathematics—resignation effective September 1, 1961.
- KUYPERS, JOHN M., Professor of Music—resignation effective February 1, 1961.
- LAMB, JOHN H., JR., Engineering Faculty Development Teaching Fellow in Civil Engineering—cancellation effective September 16, 1961.
- LASSLO, MRS. WILMA R., Serials Cataloger in the Library, with rank of instructor—resignation effective June 23, 1961.
- LENAU, CHARLES W., Research Associate in Theoretical and Applied Mechanics—cancellation effective September 1, 1961.
- LOHRER, ALICE, Associate Professor of Library Science, Summer Session of 1961—declination effective June 19, 1961.
- LYTTON, DALE F., Research Assistant in Sociology—resignation effective May 1, 1961.

- OLSEN, FURUZAN, Commerce and Sociology Library Assistant, with rank of Instructor—resignation effective July 1, 1961.
- PERKS, MRS. RUTH, Bibliographer in the Library, with rank of Instructor—resignation effective June 26, 1961.
- SCHULTZ, DONALD F., Research Assistant Professor of Biophysics, Department of Electrical Engineering—resignation effective April 1, 1961.
- SILVA, PAUL C., Associate Professor of Botany—resignation effective March 31, 1961.
- SROGEN, CLARA S., Instructor in Foreign Languages (Chicago Undergraduate Division), Summer Session of 1961—declination effective June 23, 1961.
- SMITH, ROBERT B., Instructor in Child Development and in Home Economics, Summer Session of 1961—declination effective June 19, 1961.
- STAFFORD, JOSEPH J., Research Assistant in Electrical Engineering—resignation effective May 23, 1961.
- WATKINS, PHILIP W., W. L. Brlinson Fellow in Agronomy—resignation effective May 8, 1961.

LEAVES OF ABSENCE

- HERUM, FLOYD L., Assistant Professor of Agricultural Engineering, in the Agricultural Experiment Station and in the Extension Service in Agriculture and Home Economics—leave of absence, without pay, for one year from September 1, 1961, so that he may pursue graduate study at Purdue University.
- HUNTER, DONALD J., Research Associate in Agricultural Economics, in the Agricultural Experiment Station—leave of absence, with full pay, for six months from March 11, 1961, on account of disability.
- LEVINE, SOLOMON B., Professor of Labor and Industrial Relations—leave of absence, without pay, during the month of June, 1961, so that he may serve as Labor Adviser to the Asia Foundation on visits of Japanese labor union groups to the United States, on labor education activities in Japan, and on development of comparative research work in labor management relations.
- LOHRER, ALICE, Associate Professor of Library Science—leave of absence, without pay, for twelve months from September 1, 1961, so that she may accept an assignment from the American Association of School Librarians for a research project for the United States Office of Education.
- REEVES, ELIZABETH J., Instructor in Veterinary Anatomy and Histology, in the College of Veterinary Medicine—disability leave, without pay, from May 8 and continuing until September 1, 1961.
- SELTZER, ARTHUR O., Instructor in Economics, in the Chicago Undergraduate Division—extension of disability leave, with pay, for the first semester (through February 28, 1961), and leave, without pay, beginning March 1, 1961.

CHANGE IN SABBATICAL LEAVE OF ABSENCE

- MULLER, DAVID E., Research Professor of Mathematics, and of Applied Mathematics in the Digital Computer Laboratory—sabbatical leave of absence during 1961-62, changed from leave for the second semester, with full pay, to leave for the full academic year, on one-half pay.

DESIGNS OF NEW BUILDINGS

At this point, the President of the University requested the Board to examine the designs of the new buildings for the Colleges of Education and Commerce and Business Administration. The designs, including floor plans and scale models, were presented by Mr. C. S. Havens, Director of the Physical Plant, Mr. E. L. Stouffer, University Architect, and Mr. A. Richard Williams of the firm of Lundeen and Hilfinger, architects for these buildings.

Following these presentations and discussion, on motion of Mrs. Watkins, the Board approved the designs.

JUNE MEETING

Under the By-Laws of the Board, the next meeting of the Board is scheduled to be held on Wednesday, June 21, 1961. It was the consensus of the Board that this meeting be held in Urbana, at an hour

and place to be determined by the President and Secretary of the Board.

EXECUTIVE SESSION AND RECESS

On motion of Mrs. Watkins, an executive session was ordered, to be held in the afternoon, for consideration of recommendations relating to land acquisitions, patentable inventions, and appointments of personnel.

On motion of Mr. Swain, the Board recessed.

When the Board reconvened in executive session, the same members of the Board and officers of the University were present as recorded at the beginning of these minutes. The Board considered the following reports and recommendations:

RECOMMENDATIONS OF THE UNIVERSITY PATENT COMMITTEE

(1) The University Patent Committee submits, with the concurrence of the Chairman of the University Research Board, the following recommendations relating to inventions by members of the staff.

1. Logarithmically periodic zig-zag antenna — Paul E. Mayes, Associate Professor of Electrical Engineering, inventor. This antenna is a simple structure composed of elements made from conductors bent in a logarithmically periodic manner. The operation of the antenna is virtually independent of frequency.

Because of possible commercial value, it is recommended that this invention be released to the University of Illinois Foundation with due recognition of the contractual rights of the United States Air Force, the sponsoring agent.

2. Preparation of phosphonitrilic isothiocyanates and their derivatives — Ludwig F. Audrieth, Professor of Chemistry, and Rigobert J. A. Otto, formerly Research Assistant in Chemistry and Chemical Engineering, inventors. This is a novel procedure leading to new compositions of matter with possible usefulness as biologically active materials.

Because of possible commercial value, it is recommended that the rights of the invention be released to the University of Illinois Foundation with due recognition of the contractual rights of the United States Air Force, the sponsoring agent.

3. Counting layer — Lars E. Lofgren, Visiting Research Assistant Professor of Electrical Engineering, inventor. The purpose of the invention is to meet with the requirements of constructing a device that counts the number of disconnected objects, may it be bacterial cultures, blood cells or aircraft formations, and so forth, being projected on the sensory layer of the device, such that the desired number is generated instantaneously.

The University of Illinois Foundation reported that there is little likelihood of commercial value in this invention, and therefore, it is recommended that the rights be released to the inventor with due recognition of the contractual obligations of the University to the United States Navy, the sponsoring agent, and that, if the inventor does not wish to apply for a patent, all rights of the University be released to the United States Navy.

4. Pulse amplifier with variable controlled facilitation or gain — Murray L. Babcock, Assistant Professor of Electrical Engineering, inventor. This is an amplifier whose gain is dependent upon the total number of pulses which have been active at its inputs; that is, the gain of the amplifier is dependent upon the history of its pulse inputs.

The University of Illinois Foundation reported that there is little likelihood of commercial value in this invention; and therefore, it is recommended that the rights be released to the inventor with due recognition of the contractual obligations of the University to the United States Navy, the sponsoring agent, and that, if the inventor does not wish to apply for a patent, all rights of the University be released to the United States Navy.

I concur in these recommendations.

On motion of Mr. Clement, these recommendations were approved.

APPOINTMENT OF DIRECTOR OF NONACADEMIC PERSONNEL

(2) A search committee charged with the responsibility of recommending a successor to Mr. Donald E. Dickason as Director of Nonacademic Personnel at the University of Illinois, and as Director of the University Civil Service System of Illinois, who will retire from active service on September 1, 1961, has submitted its report. The committee recommends the appointment of Dr. Arlyn C. Marks, presently Director of University Personnel Services at the State University of Iowa, to this dual position at a salary of \$15,000 of which \$11,250 will be paid by the University of Illinois and \$3,750 by the University Civil Service System of Illinois.

President Henry stated that he concurs in the appointment of Dr. Marks as Director of Nonacademic Personnel at the University effective September 1, 1961, at the salary indicated, subject to approval of his appointment by the Merit Board of the University Civil Service System of Illinois.

On motion of Mr. Swain, this appointment was approved and authorization was given to joint announcement of the appointment when the Merit Board has acted.

On motion of Mr. Hughes, the Board adjourned.

A. J. JANATA
Secretary

KENNEY E. WILLIAMSON
President