

MEETING OF THE BOARD OF TRUSTEES
OF THE
UNIVERSITY OF ILLINOIS

October 26, 1963



The October meeting of the Board of Trustees of the University of Illinois was held in the Illini Union, Urbana, Illinois, on Saturday, October 26, 1963, beginning at 9:30 a.m.

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

Also present were President David D. Henry, Executive Vice-President and Provost Lyle H. Lanier, Vice-President Norman A. Parker, Chicago Undergraduate Division, Vice-President Joseph S. Begando, University of Illinois at the Medical Center, Chicago, Director C. S. Havens of the Physical Plant, Mr. C. E. Flynn, Assistant to the President and Director of Public Information, Mr. James J. Costello, Legal Counsel, Mr. V. L. Kretschmer, Director of Auxiliary Services, Mr. Earl W. Porter, Assistant to the President, Mr. Donald C. Neville, Assistant to the Director of the Physical Plant, Professor John E. Baerwald of the Department of Civil Engineering and University Traffic Engineer, Mr. Ambrose Richardson, Consulting Architect; and Mr. A. J. Janata, Secretary of the Board.

BUSINESS PRESENTED BY THE PRESIDENT OF THE UNIVERSITY
The Board took up consideration of the following reports and recommendations from the President of the University.

PRESIDENT'S REPORT

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

AWARD OF CERTIFIED PUBLIC ACCOUNTANT CERTIFICATES

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

<i>Name</i>	<i>Address</i>	<i>State from Which They Obtained Certificates</i>
WILLIAM ANTHONY KANE	Palatine, Illinois	Montana
EUGENE FRANCIS MCALLISTER	Davenport, Iowa	Iowa
THOMAS JOSEPH SCHOPP	Ladue, Missouri	Missouri

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

ADVISORY COMMITTEE FOR INSTITUTE FOR RESEARCH ON EXCEPTIONAL CHILDREN

(2) The Director of the Institute for Research on Exceptional Children recommends the following appointments to the Advisory Committee of the Institute for Research on Exceptional Children for terms as indicated, beginning September 1, 1963.

Representatives of the University

PROFESSOR RUPERT EVANS, Associate Dean, College of Education, two years

PROFESSOR LLOYD G. HUMPHREYS, Department of Psychology, three years (reappointment)

Professor Louis Schneider, Department of Sociology, is the other representative of the University. His term expires in 1964.

Representatives of the Department of Mental Health and Children's Services

DR. WILLIAM SLOAN, State Department of Mental Health, Springfield, three years

Dr. Donald Brieland, Director of Children's Services, is the other representative from the Department of Mental Health. His term expires in 1964.

Representatives of the Department of Public Instruction

DR. JOHN H. O'NEILL, Assistant Superintendent, State Department of Public Instruction, three years

MR. VERNON F. FRAZEE, Director, Division of Special Education, State Department of Public Instruction, two years

The Board of Trustees on July 16, 1952, approved the plan for the organization of the Institute which includes an Advisory Committee consisting of three representatives from the University, two from the Department of Public Welfare (now Department of Mental Health), and two from the Department of Public Instruction, each appointed for a three-year term.

The Dean of the College of Education and the Executive Vice-President and Provost endorse these nominations.

I recommend approval.

On motion of Mr. Williamson, these appointments were 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. JUDITH AGASSI, Assistant Professor of Sociology, in the Division of General Studies, on two-thirds time, for one year from September 1, 1963, at a salary of \$5,000.
2. JEAN R. BOATRIGHT, Staff Physician, Health Center and McKinley Hospital, and Assistant Professor of Hygiene, beginning September 16, 1963, at an annual salary of \$17,000.
3. LOUIS D. BOSNES, Clinical Associate Professor of Neurology, in the Department of Neurology and Neurological Surgery, on one-fourth time, beginning September 1, 1963, at an annual salary of \$3,000.
4. TELL ERTL, Visiting Professor of Mining Engineering, for four and one-half months from February 1, 1964, at a salary of \$7,200.
5. JANE FARLEY, Clinical Assistant Professor of Psychology, in the Department of Psychiatry, College of Medicine, beginning September 1, 1963, without salary.
6. HAROLD FEINBERG, Associate Professor of Pharmacology, College of Medicine, on one-tenth time, beginning September 1, 1963, at an annual salary of \$1,200.
7. JOHN C. FRYE, Professor of Geology, beginning September 1, 1963, without salary.
8. ROBERT W. GLENN, Staff Physician, Health Center and McKinley Hospital, and Assistant Professor of Hygiene, beginning September 16, 1963, at an annual salary of \$14,000.
9. ARNOLD W. GUESS, Assistant Professor of Astronomy, beginning September 1, 1963, at an annual salary of \$9,000.
10. SHEPPARD G. KELLAM, Assistant Professor of Psychiatry, College of Medicine, beginning September 1, 1963, without salary.
11. CALVIN A. KUENZEL, Visiting Associate Professor of Law, for four and one-half months from February 1, 1964, at a salary of \$6,500.
12. HAROLD H. NIEBEL, Clinical Associate Professor of Oral Pathology, College of Dentistry, beginning September 1, 1963, without salary.
13. JEANETTE SCHULZ, Clinical Associate Professor of Pediatrics, College of Medicine, beginning September 1, 1963, without salary.
14. ADOLFS SPRUDZS, Law Library Assistant with rank of Assistant Professor, beginning October 1, 1963, at an annual salary of \$8,200.
15. ROBERT E. STAKE, Associate Professor of Educational Psychology and Associate Director of the Office of Educational Testing, College of Education, beginning September 1, 1963, at an annual salary of \$13,500.

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

CHAIRMANSHIP OF THE DEPARTMENT OF ART AT THE CHICAGO UNDERGRADUATE DIVISION

(4) The members of the faculty of professorial rank in the Department of Art at the Chicago Undergraduate Division have voted to recommend a change in the form of the organization of the Department from one organized with a head to one organized with a chairman. The Dean of the College of Architecture and Art and the Vice-President for the Chicago Undergraduate Division have approved this recommendation.

The Dean and the Vice-President also recommend the appointment of Professor John E. Walley, who has been serving as Acting Head of the Department for the past year, as Professor of Art on indefinite tenure, and Chairman of the Department of Art at the Chicago Undergraduate Division for two years from September 1, 1963. No change in salary is involved. This appointment is recommended after consultation with the appropriate members of the faculty of the Department of Art, and is concurred in by the Executive Vice-President and Provost, and the Acting Dean of the Graduate College.

I concur in the above recommendations.

On motion of Mrs. Watkins, these recommendations were approved.

DEPARTMENT OF GERMANIC LANGUAGES AND LITERATURES

(5) The faculty of the Department of German has requested that its name be

officially changed to "Department of Germanic Languages and Literatures," which more clearly describes its operations, for it teaches Gothic and Old Icelandic as well as German with its older forms (Old and Middle High German) and offers courses in modern Scandinavian literature. The recommendation is concurred in by the Executive Committee of the College of Liberal Arts and Sciences and the Executive Vice-President and Provost.

I recommend approval.

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

RESIGNATION OF DEAN J. W. PELTASON

(6) I report the resignation of Dean J. W. Peltason of the College of Liberal Arts and Sciences and Professor of Political Science, effective July 1, 1964. Dean Peltason has accepted the Deanship of the College of Arts, Letters, and Sciences at the University of California at Irvine.

This report was received for record.

APPROPRIATION BY THE ATHLETIC ASSOCIATION

(7) The Board of Directors of the Athletic Association of the University of Illinois has approved an assignment of \$6,000 from surplus funds of the Association for the expenses of the University of Illinois football band to Madison, Wisconsin, November 15-16, 1963.

Confirmation of this action is requested.

On motion of Mr. Swain, this assignment of funds was confirmed.

APPROPRIATIONS FOR NONRECURRING EXPENDITURES

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

Urbana-Champaign

Physical Plant Department

Remodeling of the building at 1308 West Springfield Avenue for use as office space by the Digital Computer Laboratory.....\$ 3 460 00

Remodeling to provide adequate space for a new program in plant physiology research:

Room 107, Vegetable Crops Building..... 11 630 00

Room 204, Floriculture Building..... 16 740 00

Remodeling in the Administration Building and in the Illini Union to provide office quarters for relocation of personnel in the President's and Provost's Office, and for relocation of the Board of Trustees Office; and moving of equipment..... 5 865 00

Total.....\$37 695 00

I concur.

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

EMPLOYMENT OF ARCHITECTS AND ENGINEERS

(9) The Director of the Physical Plant and the Vice-President and Comptroller recommend employment of the following architectural and engineering firms for the services and on the terms as indicated below.

Projects at Urbana-Champaign

<i>Project</i>	<i>Firm</i>	<i>Fee</i>
Steam and electric distribution system extension	Sargent and Lundy, Chicago	Same as present Sargent and Lundy contract

(The present Sargent and Lundy fee is based on a current expense charge for engineering and drafting at actual salaries and wages, plus 50 per cent of the

stenographic and clerical services and travel expenses and miscellaneous expenses at actual cost and a fixed fee charge of 1½ per cent of the mutually agreed estimate of the cost of the project to completion exclusive of charges included above and the University's engineering supervisory and overhead costs. If a resident field engineer is requested, the service will be billed at actual salary plus 15 per cent, plus traveling and field expenses.)

<i>Project</i>	<i>Firm</i>	<i>Fee</i>
Storm and water main extension to serve Civil Engineering Building and East Chemistry Building Addition	Wilson and Anderson, Urbana	Schedule A of minimum fees of Illinois Society of Professional Engineers
Remodeling food service areas in Illini Union Building	Fred Schmid Associates, Chicago	\$15 per hour of professional employees plus out of pocket expenses
Air-conditioning study for Urbana campus	Sargent and Lundy, Chicago	Salaries of engineers plus 100 per cent for overhead and commission; plus clerical services and other expense to be billed at actual cost

Projects at the Medical Center, Chicago

Remodeling in the Dentistry-Medicine-Pharmacy Building	Richardson, Severns, Scheeler, and Associates, Champaign	Salaries of engineers plus 100 per cent for overhead and commission; but not to exceed \$47,000
Remodeling in the Hospital	Fugard, Burt, Wilkinson, and Orth, Chicago	Salaries of architects, plus 100 per cent for overhead and commission, but not to exceed \$43,000

Funds for all the projects except the Illini Union are available in state capital appropriations. Funds are available from the proceeds of the revenue bond issue for the Illini Union Services.

The Advisory Committee on the Selection of Architects and Engineers and the Committee on Buildings and Grounds have previously considered these recommendations and concur.

I concur.

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

CONTRACTS FOR CONSTRUCTION OF ADDITION TO EAST CHEMISTRY BUILDING

(10) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of contracts for construction of the first addition to the East Chemistry Building, the award in each case being to the lowest acceptable bidder: General — Kuhne-Simmons Company, Inc., Champaign.....\$2 224 160

Base bid\$2 219 000

Additive alternates for

Service charge for assignment of other contracts to the general contractor..... 69 000

Installation of underground condenser water tank... 2 300

Deductive alternates for

Substituting the Mills Company partitions for those specified — 45 290

Eliminating factory glazing on windows..... — 7 400

Substituting kitchen unit for kitchenette..... — 650

Substituting ceramic tile for structural glazed tile..	—	9 800
Substituting Wood Conversion Company acoustical tile	—	3 000
Elevator — Westinghouse Electric Corporation Elevator Division, Chicago.....		124 856
Plumbing — Reliable Plumbing and Heating Company, Champaign....		505 590
Base bid	\$	449 890
Additive alternate for replacing 8 inch sanitary sewer in California Avenue		6 000
Deductive alternate for substituting kitchen unit for kitchenette	—	300
Heating, Piping, Refrigeration, and Automatic Temperature Control — Healy Plumbing and Heating Company, St. Paul, Minnesota....		652 770
Base bid	\$	627 800
Additive alternates for		
Installation of underground condenser water storage tank		11 700
Installation of liquid nitrogen line.....		12 200
Substituting plastic pipe for tin lined pipe.....		970
Change pipe and valves from brass to tin lined brass		100
Ventilation and Distribution Systems for Conditioned Air — R. H. Bishop Company, Champaign.....		297 442
Pipe Covering and Insulation — Mechanical Insulation Company, Inc., Kewanee		141 250
Electrical — William H. Brunkow, doing business as Brunkow Electric Company, Champaign.....		458 970
Base bid	\$	459 000
Deductive alternate for substituting kitchen unit for kitchenette	—	30
Laboratory Equipment — E. H. Sheldon Equipment Company, Muskegon, Michigan		964 064
Base bid	\$	1 207 000
Deductive alternates for		
Substituting Isoshel bench tops.....	—	58 000
Substituting Colorlith for Colorseran on inner fume hood surfaces	—	33 936
Substituting fume hoods manufactured by E. H. Sheldon Equipment Company.....	—	151 000
<i>Total</i>		\$5 369 102

It is also recommended that all contracts other than the general contract be assigned to the contractor for general work, making the total of his contract \$5,369,102; and it is further recommended that an agreement be entered into with Kuhne-Simmons Company, Inc., Champaign, for the assignment of these other contracts for \$69,000 which amount is included in the contract price, being the amount bid by that Company for service charge for supervision of other contracts assigned to the general contractor.

Funds are available from the state capital appropriations to the University from the University's Building Fund, subject to release, and from a grant of \$1,600,000 from the National Science Foundation and a grant of \$750,000 from the National Institutes of Health.

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

I recommend the awards of contracts, as indicated, subject to the release of the state funds.

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

**CONTRACTS FOR CONSTRUCTION OF MATERIALS
RESEARCH LABORATORY, PHASE II**

(11) Submitted herewith is a report from the Physical Plant Department on the construction of the Materials Research Laboratory, Phase II, including a schedule of the bids received, a copy of which is filed with the Secretary of the Board for record.

The First National Bank of Chicago has agreed to loan the University of Illinois Foundation \$4,500,000 at 2½ per cent interest over a twelve-year period to finance that portion of the total cost which will be repaid by the Atomic Energy Commission and Advanced Research Projects Agency. The total cost of the building, including architectural costs and Phase I of the construction previously approved by the Board, is estimated at \$4,750,000. The Vice-President and Comptroller and the Executive Vice-President and Provost recommend that \$250,000 of the costs for Phase I and architectural services, temporarily financed from indirect costs, be provided from funds which are available in state capital appropriations.

The Vice-President and Comptroller also recommends that the construction bids be assigned to the University of Illinois Foundation, that the site be leased to the Foundation for a period of thirty years, that the Foundation be requested to borrow funds for construction from the First National Bank of Chicago, and lease the property back to the University for biennial periods at rental sufficient to cover interest, principal, and other costs to the Foundation.

I concur and recommend adoption of the following resolution:

Resolution for Materials Research Laboratory, Phase II

Be It, and It Hereby Is, Resolved by this Board of Trustees of The Board of Trustees of the University of Illinois, a public corporation of the State of Illinois, that the Comptroller and Secretary of this public corporation be, and they hereby are, authorized for and in the name of, and on behalf of, this public corporation:

(1) to sign, execute, and deliver an agreement with and to University of Illinois Foundation, a not for profit corporation of the State of Illinois, hereinafter referred to as "Foundation," which agreement shall provide that this public corporation will lease certain hereinafter described property owned by it in Urbana, Illinois, to Foundation; that Foundation will borrow money for the purpose of constructing, and will construct, on said property a building and facilities for use as a Materials Research Laboratory; that Foundation will sublease said premises, including the building and facilities thereon, to this public corporation at a rental sufficient to pay Foundation's indebtedness incurred in connection with the construction and equipping of said building and facilities; and that upon completion of the repayment of said indebtedness from said rentals title to said property, including all improvements and facilities thereon, shall be vested in this public corporation;

(2) to enter into a lease with Foundation providing for the leasing by this public corporation to Foundation of the following described property, viz:

"Situated in the State of Illinois, the County of Champaign, the City of Urbana and being a part of the N½ of the NE¼ NE¼ of Section 18 Township 19 North and Range 9 East of the Third Principal Meridian and being more fully bounded and described as follows:

Beginning at a corner of the East property line of Goodwin Avenue in said City of Urbana, said corner being 301.31 feet distant South of and 1236.9 feet distant west of the N.E. corner of said Section 18, and being marked with an iron pipe monument; thence Easterly along a line perpendicular to the East property line of said Goodwin Avenue a distance of 372.12 feet to a corner, said corner being marked with an iron pipe monument; thence Southerly along a line parallel to the East property line of said Goodwin Avenue a distance of 278.0 feet to a corner, said corner being marked with an iron pipe monument; thence Westerly along a line perpendicular to the East property line of said Goodwin Avenue a distance of 372.12 feet to a corner on the East property line of said Goodwin Avenue, said corner being marked with an iron pipe monument; thence Northerly along the East property line of said Goodwin Avenue, a distance of 278.0 feet to the place of

beginning, and being further described as the South 35.69' of the East 56.0' of Lot 1, the South 35.69' of Lots 2, 3, 4, and 5, and the South 35.69' of the West 52.12' of Lot 6, all in Block 6 of the Urbana Rail Road Addition to the City of Urbana; and the West 184.12' of Lot 2, the East 188.0' of Lots 3 and 4, the North 62.81' of the East 142.0' of Lot 5, the North 62.81' of Lot 6, the North 62.81' of the West 78.12' of Lot 7, all in W. M. Goodwin's Addition to the City of Urbana; containing 2.375 acres, more or less."

for a term of, thirty years commencing on the first day of November A.D. 1963 and extending to and including the 31st day of October A.D. 1993, or until the indebtedness incurred by Foundation in connection with the construction and equipping of said building and facilities has been paid and liquidated, whichever shall first occur; in consideration of Foundation's constructing thereon a building and facilities for use as a Materials Research Laboratory pursuant to plans and specifications therefor as now on file in the office of the University Architect of this public corporation and for which bids have been received as hereinafter set forth, and in consideration of Foundation's reimbursing this public corporation for architectural and engineering fees incurred in connection with said construction and the plans and specifications therefor, and in consideration of Foundation's subleasing said premises and the building and facilities thereon to this public corporation upon the terms and conditions hereinafter set forth; and providing further that in the event this public corporation should become in default under the terms of said sublease or fail to exercise any option for renewal of the term of said sublease under the terms and conditions therein set forth that thereupon Foundation shall have the full and unrestricted right to the use and possession of said premises and the building and facilities thereon for the remainder of the original term of said lease and the right to assign said lease or sublet said premises with the building and facilities thereon to others for the remainder of the original thirty year term of said lease;

(3) to enter into a sublease agreement with Foundation when the construction of said building and facilities has been completed, providing for the subleasing by Foundation to this public corporation of said premises including the building and facilities thereon, under which sublease this public corporation will agree to pay a rental sufficient to meet all current installment payments becoming due and required to be paid by Foundation during the term of said sublease on Foundation's indebtedness incurred in connection with the construction of said building and facilities; said sublease to run from the date of the closing of Foundation's permanent loan secured for the financing of said improvements and extend to June 30 of the first subsequent odd-numbered year thereafter, and which permanent loan it is contemplated will be repayable in forty quarterly installments of approximately One Hundred Twelve Thousand Five Hundred Dollars (\$112,500) each with interest at an effective net interest rate of 2% per cent due each quarter on the unpaid balance; and which sublease shall contain options giving to this public corporation the right to renew said sublease for successive two year periods from July 1 of each odd-numbered year to June 30 of the next succeeding odd-numbered year by giving written notice to Foundation between the first and fifteenth day of July in each year when such renewal is to be made, until said sublease is finally terminated by the payment and liquidation of the above mentioned indebtedness;

(4) to commit this public corporation to act as agent for Foundation in the supervision of construction and administration of contracts therefor and change orders thereto, and the administration and service of said indebtedness, and in making payments of and disbursements from and of funds made available by the creditor of Foundation for the purpose of said construction and acquisition of facilities; and

(5) to sign, execute, acknowledge, and deliver any and all other documents and instruments deemed necessary or desirable by said Comptroller and said Secretary to accomplish the purpose herein set forth.

Be It, and It Hereby Is, Further Resolved by this Board of Trustees of The Board of Trustees of the University of Illinois, a public corporation of the State of Illinois, that the bids received on September 24 and October 1, 1963, for the construction of Materials Research Laboratory, Phase II, and all rights thereunder, including but not limited to, the right to contract with the bidder, a copy of a schedule of which bids has been filed with the Secretary of this Board of

Trustees for record, be and they hereby are, assigned to Foundation; and this Board of Trustees recommends to the Board of Directors of University of Illinois Foundation that contracts for construction of Materials Research Laboratory, Phase II, be awarded by Foundation as follows:

General—Johnson, Drake, and Piper, Incorporated, Terre Haute, Indiana	
Base bid	\$2 236 00
Additive alternate for service charge for assignment of other contracts to the general contractor.....	60 000
Deductive alternate for omitting panels and steel members in back of precase grills.....	<u>—2 500</u>
	\$2 293 500
Plumbing—The Economy Plumbing and Heating Company, Inc., Skokie.....	
	337 777
Heating, Process Piping, Refrigeration and Pneumatic Tube—Borg, Inc., Chicago, based on York absorption machine.....	
	381 000
Ventilating—The Robert Irsay Company, Skokie.....	
	346 853
Pipe Covering and Insulation—Culberg Asbestos and Cork Company, Chicago	
	83 450
Temperature Control—The Johnson Service Company, Urbana	
Base bid	\$ 57 425
Additive alternate for central control panel.....	<u>27 400</u>
	84 825
Electrical—G. L. Wilsky, an individual doing business as Downtown Electric, Urbana	
Base bid	\$ 428 325
Additive alternate for master air conditioner control panel	100
Deductive alternate for omitting telephone trough.....	<u>—7 200</u>
	421 225
Laboratory Equipment—The Walrus Manufacturing Company, Decatur	
	75 400
Fume Hoods—The Laboratory Furniture Company, Mincola, New York	
	44 200
Elevators and Elevator Equipment—The Otis Elevator Company, Chicago	
	<u>54 908</u>
	\$4 123 138

This Board of Trustees further recommends to the Board of Directors of University of Illinois Foundation that all contracts other than the contract for general work be assigned to the contractor for general work, making a total for such contract a price of \$4,123,138, and that an agreement be entered into by Foundation with Johnson, Drake, and Piper, Incorporated, for the assignment of these other contracts, for \$60,000, which amount is included in the aforesaid contract price, being the amount bid by that Company for service charge for supervision of other contracts assigned to the general contractor.

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

CONTRACT FOR CONSTRUCTION OF 100-FOOT ANTENNA RESEARCH TOWER

(12) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for \$26,980, to English Brothers Company, Champaign, the amount of their base bid and a deductive alternate substituting Douglas fir for yellow pine for construction of a 100-foot Antenna Research Tower south of Bondville, Illinois, for the Department of Electrical Engineering, subject to completion of acquisition of title to the land required.

Funds are available from a research contract with the United States Navy. I concur.

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

CONTRACT FOR CONSTRUCTION OF ANTENNA MODEL PATTERN RANGE

(13) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of contracts for construction of an antenna model pattern range to be constructed south of Bondville, Illinois, for the Department of Electrical Engineering, the award in each case being to the lowest bidder, subject to completion of acquisition of title to the land required.

General—Lynne Meyer, doing business as Lynne Meyer Company,
Champaign \$29 830 00
Electrical—Potter Electric Service, Inc., Urbana..... 4 737 00
Plumbing—Willis H. Thomas and Wren C. Thomas, doing business
as Thomas Plumbing and Heating Company, Urbana..... 2 175 00
Funds are available from a research contract with the United States Navy.
I concur.

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

WATER RESOURCES CENTER

(14) The Acting Dean of the Graduate College recommends that a Water Resources Center be established at the University of Illinois and that it be administered by the Graduate College. The Executive Vice-President and Provost concurs in this recommendation.

The Center will encourage and coordinate university-wide planning and implementation of interdisciplinary programs for research and graduate education in water resources. The interests of the Center will encompass current and future programs of water resources within the various academic departments of the University and cooperating agencies, including the State Water Survey and the other state surveys. The administration of water resources programs will continue to be the responsibility of the academic departments and cooperating agencies.

The Center will administer funds assigned or granted to it. It will review proposals and allocate such funds to the cooperating departments and agencies for the development of programs on water resources. As a unit of the Graduate College, the Center will review grant proposals made to outside agencies or to University sources for the support of water resources programs and will recommend appropriate action on such proposals. Finally, for purposes of information, coordination, and referral, the Center will maintain a current file of all water resources programs of the University and the cooperating agencies.

The Center will be administered by an Executive Committee through a Director. The Dean of the Graduate College will appoint the members of the Executive Committee, which consists of the Directors of the Agricultural and the Engineering Experiment Stations, a representative of the College of Liberal Arts and Sciences, and two members representing other participating units and agencies. The Dean of the Graduate College, with the advice of the Executive Committee, will appoint a Director of the Center who will then become a member of the Executive Committee and serve as its secretary. The Executive Committee will give policy and broad program direction to the work of the Center and will establish a standing technical advisory committee and other groups as needed to consider specific problems or activities related to water resources programs.

I concur.

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

SUPPLEMENTAL ANNUITIES FOR RETIRED UNIVERSITY PERSONNEL

(15) The University Retirement System of Illinois was created by an Act of the General Assembly of Illinois approved June 21, 1941, and began operating on September 1, 1941. Since then, it has provided the retirement, disability, death, and survivor benefits for all members of the faculty and other employees of the six state-supported institutions of higher education, the state scientific surveys, and certain auxiliary state agencies such as the System itself. All benefits accruing to the personnel covered by the System are defined by state law; and any changes in benefits are pursuant to legislative action.

Prior to the establishment of the University Retirement System, the Board of Trustees of the University of Illinois established a program and policies, which became operative September 1, 1925, providing for payment of retirement and death benefits from University funds. All personnel who retired prior to September 1, 1941, have received their benefits from this University of Illinois System, and those still living continue to receive their retirement benefits from University funds.

Retirement benefits, then as now, were based upon salaries paid during the last several years of active service and the period of such service. It is apparent that the retirement annuities determined by salaries which were being paid in 1941 are wholly inadequate when measured by present costs of living. The same is true, although perhaps in most cases to a somewhat lesser extent, of annuities being paid to those who retired after September 1, 1941, under the University Retirement System of Illinois prior to the increases in benefits established by the amendments to the Act made by the General Assembly in 1959. While the University may supplement the annuities of those who retired under the University of Illinois System established in 1925, and which is under the sole jurisdiction of the Board of Trustees of the University of Illinois, action to improve the benefits of those who retired under the University Retirement System of Illinois requires specific authorization of the General Assembly.

The Seventy-second General Assembly of Illinois established a precedent for supplemental annuities of employees after retirement by an Act providing for additional annuities for teachers in the State Teachers and the Chicago Teachers Retirement Systems, the constitutionality of which law has been upheld by the Supreme Court of Illinois. Under that law, retired teachers are permitted to purchase additional annuities to bring their total retirement benefits to a maximum of \$50 a year for each year of service but in no event in excess of \$2,250 per year. For such supplemental benefits the individual is required to make a payment of \$5 for each year of credited service at the time of retirement into a separate fund to which fund the state also contributes. The supplemental benefits are payable only out of that fund.

Since University of Illinois personnel who retired prior to September 1, 1941, are under a retirement system which was established and has been operated solely by the University, the Board of Trustees may act to supplement the benefits of such retired personnel without state legislation; and the precedent cited above justifies such action as a matter of policy. Seven members of the University faculty and other employees who retired prior to September 1, 1941, and who are still living, are eligible to purchase supplemental annuities if the formula used for those who retired under the State and Chicago Teachers Systems is applied. The totals of the annuities of these seven retired staff members would thus be supplemented by \$4,510 per year. Initial payments required of them would total \$1,021.26, resulting in a net cost of \$3,488.74 during the first year. Based on the life expectancy of these individuals, the total program would cost approximately \$17,116 to be paid over a period of years.

The Vice-President and Comptroller recommends that the Board approve the establishment of such a program of supplementary retirement benefits on a basis comparable to that provided by the Seventy-second General Assembly for retired personnel under the State Teachers and the Chicago Teachers Retirement Systems, and authorize the payment into such separate fund such amounts as may be necessary to pay the net cost of said supplemental annuities from funds received for reimbursement for the indirect costs of operation of research and service contracts. This proposal has been considered by the Committee on General Policy which recommends approval.

I concur.

On motion of Mr. Johnston, this recommendation was approved, and the assignment of funds required for supplemental annuities was authorized; this action was taken by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Page, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner.

UNITED STUDENT AID FUNDS, INCORPORATED

(16) The Board has authorized a contract with the United Student Aid Funds, Incorporated, whereby deposits made with that agency by the University guarantee loans obtained by its students from banks in their home areas.

Of the \$5,000 authorized, \$2,000 was advanced in May, 1963, by the University of Illinois Foundation to the University, which was then deposited with USA Funds and, when matched by an equivalent amount by the USA Funds, made possible loans aggregating \$50,000. This amount was completely loaned within a few weeks.

Authorization is requested to accept an additional \$10,000 from the Foundation for this purpose and to deposit it with the USA Funds as required, which will result in a total authorization of \$15,000. While USA Funds can give no assurance at present as to what amount, if any, can be assigned by it to match the University contribution, each dollar of the deposit, consisting of the University advance and USA Funds matching funds, is used by USA Funds to guarantee \$12.50 in loans obtained by students from their local banks.

On motion of Mrs. Watkins, authority was given as requested.

BEQUESTS OF DR. L. C. H. E. ZEIGLER, DECEASED

(17) The will of the late Dr. L. C. H. E. Zeigler of Chicago includes two bequests to the University, each approximately \$3,000, one to the University without restriction and the other for the Research and Educational Hospitals. The attorneys for the estate have requested adoption of a resolution by the Board of Trustees authorizing acceptance of these bequests. The following resolution is submitted.

Resolution

WHEREAS, L. C. H. E. Zeigler, a resident of Chicago, Illinois, departed this life on the 17th day of March, 1961, leaving a Last Will and Testament and Codicil which have been duly admitted to probate in Cook County, Illinois, said Last Will and Testament containing provisions for bequests as follows: University of Illinois—Chicago Research and Educational Hospitals and Illinois State University.

Now, Therefore, Be It, and It Is Hereby, Resolved, by this Board of Trustees of The Board of Trustees of the University of Illinois, that the said bequests be and the same are hereby accepted by said The Board of Trustees of the University of Illinois for the uses and purposes therein set forth; and

Be It Further Resolved that C. C. DeLong, as Bursar of the University of Illinois, be and he is hereby authorized to accept payment on behalf of said The Board of Trustees of the University of Illinois, and to execute and deliver to John O. Root, William Culbertson, Henry C. Crowell, Ernest C. Christiansen, and Stanley Staiger, Executors of the Last Will and Testament and Codicil of said L. C. H. E. Zeigler, Deceased, the receipt of said The Board of Trustees of the University of Illinois in satisfaction thereof.

Dr. Zeigler's will includes the lists of some 450 legatees and devisees. His bequests to the University are under the names of "Illinois State University" and "University of Illinois—Chicago Research Hospitals," each being approximately \$3,000, or a total of \$6,000. The above resolution authorizes acceptance of both.

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

PURCHASES

Purchases Authorized

(18) 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 in each case was recommended on the basis of the lowest acceptable bid.

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

Purchases from Institutional Funds

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One lot electronic instruments and accessories, including resistors, voltmeters, oscillators, and signal generators, to be used at the Indian Institute of Technology in Kharagpur, India	Agency for International Development (India)	General Radio Co., West Concord, Mass.	\$2 925 50 f.o.b. West Concord, Mass.
Thirty microscopes, laboratory type, with standard optics and accessories, mounted in a case, for export to India under the United States AID program at the Uttar Pradesh University	Agency for International Development (India)	Bausch & Lomb, Inc., Rochester, N.Y.	8 934 60 f.a.s. New York
Polygraph and accessories to be used to record physiological data	Agency for International Development (Thailand)	Grass Instrument Co., Quincy, Mass.	5 640 00 f.a.s. New York
Furnish and erect one silo, size 16 ft. by 60 ft., poured concrete, including foundation, at the University of Illinois Wright Farm No. 4 located at Malta, Illinois; the silo is to be used for corn silage in connection with livestock feeding research being conducted by the Agricultural Economics Department of the College of Agriculture	Agricultural Economics	Bertram Construction, Grafton, Wis.	3 375 00 f.o.b. delivered and erected
Fertilizer as follows: 17.60 tons diammonium phosphate 18.275 tons granular high analysis phosphate 22.45 tons ammonium phosphate nitrate	Agricultural Economics	Tennessee Valley Authority, Wilson Dam, Ala.	4 217 93 f.o.b. Sheffield, Ala.
To be used for ten Allerton Trust Farms; the Allerton Farm tenants will reimburse the University for one-half the total cost			
Furnish materials and labor to construct a water tower, 75 ft. high, with water tank, 30,000 gallons capacity, complete with all necessary piping, paint, and insulation, and dismantle existing 12,000 gallon tank and 50 ft. tower at Robert Allerton Park	Robert Allerton Park	Universal Tank & Iron Works, Inc., Indianapolis, Ind.	18 580 00 f.o.b. delivered and erected

On motion of Mr. Johnston, 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.

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

Purchases from Appropriated Funds

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One lot scientific apparatus and supplies consisting of one refractometer, 500 plastic bottles, thirty bags, corks, forty packages test paper, eight cases chemicals, seventy cases laboratory glassware, 5,000 rubber bulbs, ten gross graduate cylinders	Physical Science, Chicago Undergraduate Division	LaPine Scientific Co., Chicago	\$4 415 00 delivered

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One ultrasonic cleaner and supplies	Research and Educational Hospitals	Zimmer-Ramsay Associates, Chicago	\$ 4 299 70 delivered
One lot of laboratory apparatus and equipment including balances, spectrophotometers, furnaces, PH meters, centrifuge and accessories, heaters, ovens, and laboratory hardware, to be used to equip the Agronomy section of the new Plant Sciences Building	Agronomy	Schaar Scientific Co., Chicago	11 750 00 f.o.b. delivered
One polarizing microscope, research type, regulating transformer with ammeter, with attachable graduated polarizing mechanical stage and accessories	Agronomy	W. H. Kessel & Co., Chicago	2 712 00 f.o.b. delivered
One vacuum X-ray spectrographic unit, complete, including supervised installation and consisting of constant potential X-ray generator and control current stabilizer, electronic circuit panel, goniometer assembly, vacuum spectrographic attachment, electronic recorder, scintillation counter attachment, water cooler system and accessories, plus six months' full warranty excepting X-ray tubes	Agronomy	Philips Electronic Instruments, Chicago	23 761 00 f.o.b. delivered
One spectrograph for ultraviolet and visible regions including power source and excitation stand, one hundred feet of 35 mm. film, two magazines, daylight developing kits, and chemicals	Chemistry and Chemical Engineering	Applied Research Laboratories, Inc., Westchester	4 200 00 f.o.b. delivered
Additional equipment to expand and upgrade the laboratory work in Physics courses 343 and 344 electronic circuits, consisting of thirty-six power supplies, eighteen voltage reference sources, eighteen laboratory meters, eighteen three-inch oscilloscopes, thirty-six substitution boxes, six volt-ohm milliamperes, seven generators, six voltmeters, thirty-six chassis and parts kits, fifty amplifier parts group, and eighteen tool sets (Note: This purchase will be made from both Appropriated Funds, \$7,216.65, and Institutional Funds, \$4,452.39, for a total of \$11,669.04.)	Physics	Heath Co., Benton Harbor, Mich.	7 216 65 f.o.b. Benton Harbor, Mich.
Assignment of library binding contract (books, serials, and newspapers) for the University Library for the period July 1, 1963, through June 30, 1965	Library	Hertzberg-New Method, Inc., Jacksonville	100 000 00
Sixty-three hanging wall closets, with double doors, wood, 66 in. high by 22 in. wide by 7 in. deep, to be wall mounted for use in the patient rooms in McKinley Hospital	McKinley Hospital	Hill-Rom Co., Inc., Batesville, Ind.	3 181 50 f.o.b. delivered
Three ovens, mechanical convection, two autoclaves, steam heated, one laboratory mill, two furnaces, muffle type, and one water bath, constant temperature for new equipment in Plant Sciences Building	Agronomy	Fisher Scientific Co., Chicago	11 433 25 f.o.b. delivered
Two balances, one macro and one semi-micro, for new equipment in the Plant Sciences Building	Agronomy	E. H. Sargent & Co., Chicago	3 390 00 f.o.b. delivered
<i>Purchases from Institutional Funds</i>			
One automatic recording spectrophotometer and accessories	Biological Chemistry, Chicago	Perkin-Elmer Corp., Norwalk, Conn.	\$ 5 898 00 delivered
One refrigerated centrifuge and accessories	Biological Chemistry, Chicago	Ivan Sorvall, Inc., Norwalk, Conn.	2 695 00 delivered
One ultra high-speed preparative centrifuge with two rotors and one tube slicer	Biological Chemistry, Chicago	Spinco Division, Beckman Instruments, Inc., Palo Alto, Calif.	8 192 00 delivered
Fermentation equipment, consisting of one fermentor, two drying ovens, and two shakers	Biological Chemistry, Chicago	New Brunswick Scientific Co., Inc., New Brunswick, N.J.	6 461 50 delivered

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One automatic ultraviolet analyzer	Biological Chemistry, Chicago	Vanguard Instrument Co., La Grange	\$2 800 00 delivered
One spectrophotofluorometer with accessories of eight cells, two cell adapters, one polarizer, and one recorder	Clinical Research Center, Chicago	American Instrument Co., Inc., Barrington	7 275 50 delivered
One photomicroscope and accessories	Dental Radiology, Chicago	W. H. Kessel & Co., Chicago	4 223 00 delivered
Rental of approximately sixty-nine hours of computer time on various electronic computers for data processing during the period of November 1, 1963, through June 30, 1964	Library, Chicago Undergraduate Division	Lutter & Maremont Co., Inc., Chicago	3 995 00
One lot of laboratory equipment and supplies consisting of one centrifuge, three ovens, twelve stopwatches, and thirty-eight dozen rolls of aluminum foil	Medical Center, Chicago	LaPine Scientific Co., Chicago	3 467 00 delivered
Twenty-five refrigerators and eight freezers for laboratories	Medical Center, Chicago	Frigidaire Sales Corp., Chicago	5 205 75 delivered
One lot of scientific equipment and supplies consisting of one ultracentrifuge, twelve pipette baskets, 1,056 plastic bottles, 270 packages corks, 500 ounces microscope cover glasses, 200 vials capillary tubes, ninety-six rolls aluminum foil, and six stopwatches	Medical Center, Chicago	A. Daigger & Co., Chicago	8 118 32 delivered
Steel laboratory furniture consisting of four tables, nineteen stools, and twelve cabinets; wood laboratory furniture consisting of thirty-one tables, twenty stools, two cabinets, three wall cases, and four glassware pegboards	Medical Center, Chicago	Browne-Morse Company, Muskegon, Mich. (steel furniture) Kewaunee Manufacturing Co., Evanston (wood furniture)	2 724 29 (6 609 10) 9 333 39
Sixty-six animal cage racks, 410 dropping pans, 300 medium sized animal cages, and 500 guinea pig cages; right reserved to increase or decrease quantities by 15 per cent without penalty	Medical Research Laboratory, Chicago	Production Steel Co. of Illinois, Broadview	52 144 00 delivered
200 stainless steel rat breeder cage tops 200 stainless steel rat breeder cage bottoms Right reserved to increase or decrease quantities by 15 per cent without penalty	Medical Research Laboratory, Chicago	Jos. T. Ryerson & Son, Inc., Chicago	4 560 00 delivered
One ultra high-speed centrifuge, three rotors, thirty-six tubes, and twenty-four tube caps	Medical Research Laboratory, Chicago	Spinco Division, Beckman Instruments, Inc., Palo Alto, Calif.	8 941 20 delivered
One lot of laboratory equipment and supplies consisting of two spectrophotometers, 274 packages of filter paper, twelve pails, 200 gross finger cots, 400 books lens paper, twenty-four pipetters, two pipette rinsers, 500 gross slides, and sixty gross pipettes	Medicine, Chicago	Aloe Scientific Co., Schiller Park	5 880 00 delivered
One lot of laboratory equipment	Medicine, Chicago	Aloe Scientific Co., Schiller Park	9 164 10 delivered
One automatic gamma scintillation system and dual-channel analyzer with time and count printout	Medicine, Chicago	Nuclear-Chicago Corp., Chicago	9 960 80 delivered
One lot of laboratory equipment and supplies consisting of four balances, 522 plastic bottles, 124 bags of corks, 192 rolls of aluminum foil, and 100 ounces of cover glasses	Medicine, Chicago	E. H. Sargent & Co., Chicago	3 600 00 delivered
One polygraph and accessories for recording heart action and blood pressure	Medicine, Chicago	Sanborn Co., Chicago	2 693 00 delivered
One vapor pressure osmometer and accessories	Pharmacy, Chicago	Mechrolab Inc., Mountain View, Calif.	2 621 00 f.o.b. Mountain View, Calif.

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One replacement recording apparatus for an existing automatic blood pressure recording system in the Department of Psychiatry; this apparatus will also make it possible to record skin temperature and electrocardiograms	Psychiatry, Chicago	Spinco Division, Beckman Instruments, Inc., Palo Alto, Calif.	\$ 2 781 20 delivered
400 dozen infant diapers, 15 in. by 21 in., and 600 dozen infant diapers, 21 in. by 40 in.	Physical Plant, Chicago	Will Ross, Inc., Milwaukee, Wis.	2 516 00 delivered
Furnish and install one farrowing house, size 26 ft. by 66 ft., including foundation and concrete work, complete with slat flooring for farrowing crates, galvanized farrowing stalls, feeders, waterers, pig brooders with thermostat control air-intake system, and all necessary wiring and electrical service	Animal Science	Honegger's & Co., Inc., Fairbury	5 411 66 f.o.b. delivered and installed
One basic X-ray small angle scattering camera goniometer, and accessories, used for the detection and measurement of nucleation and crystal growth in oxide glass systems of minute sizes	Ceramic Engineering	Siemens America, Inc., New York, N.Y.	3 635 00 delivered
One goniometer assembly system including a change gear, one constant potential generator including current stabilizer, one electronic circuit panel including a scintillation counter attachment and electronic recorder, and one line voltage regulator, for X-ray diffraction equipment to be used in X-ray studies	Chemistry and Chemical Engineering	Philips Electronic Instruments, Chicago	16 595 00 f.o.b. delivered
X-ray diffraction equipment consisting of: one constant potential generator 20 KV to 60 KV, one diffractometer, one single crystal device, one horizontal tube stand, one molybden target tube, one copper target tube; plus installation	Chemistry and Chemical Engineering	Siemens America Inc., New York, N.Y.	14 347 00 f.o.b. delivered
One constant temperature room, approximately 47 ft. by 73 ft. by 79 ft., with a temperature range of 4°C to 60°C, for research studies on the effect of the curing of various paving materials at different temperatures	Civil Engineering	Hotpack Corp., Chicago	3 695 00 f.o.b. delivered
One generator, sweep signal, x-band, 8.2 to 12.4 kmc. with levelled output of ± 0.5 db. calibrated output power	Coordinated Science Laboratory	Alfred Electronics, c/o Carter Electronics, Inc., Chicago	3 500 00 f.o.b. delivered
One electron beam evaporating unit complete with 2000 watt power supply, ten spare filaments and two electrical feedthroughs for study of evaporated film of tantalum, niobium, and alumina	Coordinated Science Laboratory	Varian Associates, Palo Alto, Calif.	4 985 00 f.o.b. Palo Alto, Calif.
One centrifuge, superspeed, automatic, refrigerated, large capacity with one 400 milliliter capacity rotor for study of the manner in which certain microorganisms produce or synthesize various compounds of biochemical interest	Dairy Science	Ivan Sorvall, Inc., Norwalk, Conn.	2 575 00 f.o.b. delivered
One complete feed storage, grinding, and blending system with four compartments and approximately thirty-two ton storage capacity; system to be complete including foundation and erection at the University Dairy Farm, Urbana	Dairy Science	Mix-Mill Inc., Bluffton, Ind.	4 577 38 f.o.b. delivered and erected
Labor and materials for updating of magnetic drum memory system of Illiac II from fixed heads to aerodynamic (floating) heads	Digital Computer Laboratory	Vermont Research Corp., Springfield	10 300 00 f.o.b. Springfield, Vt.

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
3,000,000 sets — single part tabulating forms, 14½ in. by 11 in., including marginal guide strip on each side; the quantity is the estimated requirement for one year for the 7090 computer; the forms are to be shipped at various times during the period as required	Digital Computer Laboratory	Uarco, Inc., Decatur	\$ 9 360 00 f.o.b. delivered
One amplifier, pulse-power, with 20:1 step-down plug-in unit, peak power output 20 KW, peak current output 100 amps, output pulse droop less than 5 per cent, pulse width 1 to 10 microseconds	Electrical Engineering	Velonex, Division of Pulse Engineering, Inc., Santa Clara, Calif.	3 268 26 f.o.b. delivered
One evaporator, high vacuum with ultimate blank-off pressure 1 by 10 ⁻⁷ , counter balanced hoist for bell jar, stainless steel base plate, straight through pumping path, and extra power supply, to be used in research on p-n laser junctions	Electrical Engineering	Consolidated Vacuum Corp., Chicago	6 854 00 f.o.b. delivered
Print and bind: 20,000 copies <i>Charting the Universe</i> , trim size 8½ in. by 11 in., 96 pages per copy 20,000 copies <i>The Universe in Motion</i> , trim size 8½ in. by 11 in., 104 pages per copy 20,000 copies <i>Gravitation</i> , trim size 8½ in. by 11 in., 104 pages per copy 7,000 copies <i>Charting the Universe</i> , Teacher's Guide, trim size 8½ in. by 11 in., 72 pages per copy 7,000 copies <i>The Universe in Motion</i> , Teacher's Guide, trim size 8½ in. by 11 in., 104 pages per copy	Elementary Education	George Banta Co., Chicago	14 971 91 f.o.b. delivered
One lot laboratory glassware, micro size, to include standard tapers, adapters, liebig type condensers, distillation columns, flasks, funnels, and stirring apparatus	General Chemical Stores	Research Apparatus, Inc., Franklin Park	8 517 56 f.o.b. delivered
Film badge service for the period November 1, 1963, through June 30, 1965, for determination of exposure to radioactive materials to all personnel so involved, under the direction and authority of the University Health Physicist as follows: 220 beta-gamma film badges every two weeks 26 beta-gamma film badges every week for nine months, September 18 to June 18 5 beta-gamma finger (ring) badges every two weeks 55 neutron-beta-gamma film badges every two weeks	Physics	Nuclear Chicago Corp., Des Plaines	7 210 00 f.o.b. delivered
One double pass grating monochromator, with prisms to provide radiation of a single narrow wavelength region at the exit slit when "white light" sources are focused on the entrance slit and be compatible with existing equipment	Physics	The Perkin-Elmer Corp., La Grange	3 615 00 f.o.b. delivered
Fabricate three special rotating periscopes with magnetic oxide coating on the rotating drums, with magnetic reading and writing heads attached to the frame of the drums, similar to those originally produced at the U. S. Atomic Energy Commission supported Lawrence Radiation Laboratory, University of California	Physics	Lawrence Radiation Laboratory, University of California, Berkeley, Calif.	8 625 00 f.o.b. delivered
Eight plastic scintillators, all edges polished, 48 in. by 25 in. by ¾ in. thick	Physics	Pilot Chemicals, Inc., Watertown, Mass.	3 200 00 f.o.b. delivered
Thirty-five issues, 3,500 copies each, Channel 12 Newsletter, for Station WILL, two pages (one sheet), 8½ in. by 11 in., printed both sides	Television	Fleming Printing Co., Champaign	3 220 00 f.o.b. delivered

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Lease eighteen films, 16 mm. color, for ten-year period, and purchase one film, 16 mm., color	Visual Aids Service	Walt Disney 16 mm. Films, Park Ridge	\$ 4 645 00 f.o.b. delivered
One counter to measure density of solutions, count and determine the size of blood cells, complete with vacuum pump, aperture tube, manometer, stand, and one automatic dilutor for use with above; equipment to be used in general hospital blood work	McKinley Hospital	Coulter Electronic Sales Co., Chicago	3 830 00 f.o.b. delivered
Print and bind 18,000 copies <i>Illinois Farm Record Book, Part I</i>	Agriculture Administration	George Banta Co., Chicago	2 680 73 f.o.b. delivered
750 cases napkins, paper, size 12 in. by 13 in., packed 12,000 per case	Office Supply Storeroom	Levin Brothers Paper Corp., Chicago	12 301 50 f.o.b. delivered
300 cases napkins, paper, size 12 in. by 16½ in., packed 7,500 per case			
For Office Supply Storeroom stock; an estimated ten to twelve months' supply			
700 cartons tile, acoustical, fissured mineral type, incombustible, to be stocked by the Physical Plant Store-room for use in jobs on the Urbana campus	Physical Plant	Brinkoetter Tiling Co., Decatur	7 614 05 f.o.b. delivered
Eight air handling units each with a ventilating capacity of 4000 cubic feet per minute with filter units and heating coils; units are required for proper use of laboratory space in Chemistry Annex during the winter months	Physical Plant	The Trane Co., Peoria	5 445 00 f.o.b. delivered
One spectrophotometer, atomic absorption, including burner, photo-multiplier detector, digital readout, control box, cathode ray lamps and mounting brackets, to be used for analysis of mineral content in animal tissue and ration ingredients	Animal Science	The Perkin-Elmer Corp., La Grange	5 960 00 f.o.b. delivered
One lot of component parts for the ultra high vacuum equipment consisting of vacuum chambers, flanges, gaskets, ion gauge controls, power supplies, feed throughs, elbows, tees, bake out units, viewing parts, and special nuts and bolts, to be used to build additional vacuum capacity around existing equipment	Coordinated Science Laboratory	Varian Associates, Palo Alto, Calif.	27 746 00 f.o.b. Palo Alto, Calif.
40,000 diodes, type 1 N 995	Digital Computer Laboratory	Hughes Aircraft Co., Chicago 20,000 units	3 440 00
		Sylvania Electric Products, Inc., Chicago 20,000 units	3 400 00 (6 840 00) f.o.b. delivered
One electrophoresis diffusion instrument capable of simultaneous and independent operation of three cells complete with three diffusion cells and rack assemblies	Food Science	Spinco Division, Beckman Instruments, Inc., Palo Alto, Calif.	21 340 00 f.o.b. delivered
One lot of laboratory equipment and apparatus consisting of ten analytical balances, two photometers, 1,752 assorted polyethylene bottles, 144 test tube supports, and sixty pairs disposable polyethylene gloves; this equipment is for stock in the General Chemical Stores (a three months' supply) and for the Department of Chemistry and Chemical Engineering	General Chemical Stores	E. H. Sargent & Co., Chicago	9 285 00 f.o.b. delivered
40,000 tolbutamide tablets, 0.5 gm. a drug used in the control of diabetes; this is a six months' supply of the item	Pharmacy, Chicago	The Upjohn Co., Chicago	2 928 00 delivered
One chromatography-radioactivity analysis system, including a gas chromatograph for isothermal or temperature programming, one high temperature flow chamber with a rigid coaxial line, and one recorder	Radiocarbon Laboratory	Applied Physics Corp., Monrovia, Calif.	7 727 50 f.o.b. delivered

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
160 steel bookshelf units, each 36 in. wide by 9½ in. deep by 84 in. high	Office Supply Storeroom	The Interior Steel Equipment Co., Bloomington	\$ 5 196 80 f.o.b. delivered
Furnish and install padding and carpeting on the main floor and balcony of the Recital Hall in Smith Music Hall	Physical Plant	De Sitter Brothers, Chicago	5 079 90 f.o.b. delivered and installed
Furnish and install four electric door operators, two right hand and two left hand, at the southeast and southwest entrances of the Pennsylvania Avenue Residence Halls	Physical Plant	JED Products Co., Royal Oak, Mich.	4 483 00 f.o.b. delivered and installed
Eighty-eight temperature control items to be used by the Physical Plant Department in the installation of control equipment for ventilation in the Chemistry Annex	Physical Plant	Johnson Service Co., Urbana	2 674 80 f.o.b. delivered

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

COMPTROLLER'S REPORT OF CONTRACTS

(19) The Comptroller's report of contracts executed during the period September 1 to 30, 1963.

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
State of Illinois Department of Mental Health Project 17-121	Psychiatric residency training program	\$ 50 000 00	July 15, 1963
State of Illinois Department of Mental Health Project 17-157	Assessment of parent child-rearing practices in clinic and nonclinic families	35 366 00	September 1, 1963
United States of America	Symphony orchestra tour of Latin America	178 203 00	June 14, 1963
United States Army DA49-193-MD-2481	Chemistry and mechanism of action of potential anti-viral agents	12 976 00	August 1, 1963
United States Department of Health, Education, and Welfare OE-4-10-058	Sequential social sciences courses for the secondary schools	250 000 00	September 15, 1963
United States of America Agency for International Development AID-afe-132	Establish and develop Njala College at Njala, Sierra Leone	1 039 913 00	August 16, 1963
United States of America Agency for International Development AID-nesa-64	Render technical advise and assistance to the Ministry of Agriculture of the Government of Jordan	153 520 00	September 6, 1963
<i>Total</i>		<u>\$1 719 978 00</u>	

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid by the University</i>	<i>Effective Date</i>
Allan Sherman Enterprises, Inc.	Perform an engagement at the Assembly Hall, September 28, 1963	\$11 500 00	August 29, 1963
State's Attorney of Douglas County	Payment in lieu of taxes, for services rendered (Hackett)	1 451 50	August 22, 1963
State's Attorney of La Salle County	Payment in lieu of taxes, for services rendered (Weber)	3 634 77	August 1, 1963
State's Attorney of Piatt County	Payment in lieu of taxes, for services rendered (Allerton and Warren)	12 587 67	August 21, 1963
<i>Total</i>		<u>\$29 173 94</u>	

Leases

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
Sherman McCord	Rental of second-floor apartment of Burt house (Airport) from September 1, 1963, to August 31, 1964	\$ 960 00 (annual rental)	September 1, 1963

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
Peter E. Meyer	Rental of first-floor apartment of Burt house (Airport) from September 1, 1963, to August 31, 1964	\$1 020 00 (annual rental)	September 1, 1963
Total		\$1 980 00	
<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid by the University</i>	<i>Effective Date</i>
City of Chicago	Rental of Navy Pier building from July 1, 1963, to December 31, 1964	\$242 010 00 (13 445 00 per month)	July 1, 1963
City of Chicago	Rental of Drill Hall adjacent to Navy Pier from July 1, 1963, to June 30, 1965, for Student Activity Building	62 000 16 (2 583 34 per month)	July 1, 1963
Mrs. Eunice C. Creamer and Mr. Newton M. Cunningham	Rental of room 200, 627½ South Wright Street, Champaign, from July 1, 1963, to June 30, 1965, for Provost's Office	3 840 00 (160 00 per month)	July 1, 1963
Dixon National Bank	Rental of room 20, 101 First Street, Dixon, from September 1, 1963, to June 30, 1964, for Extension Division	400 00 (40 00 per month)	September 1, 1963
Kathleen F. Gallivan	Rental of second floor northwest storage room, 26 East Springfield Avenue, Champaign, from July 1, 1961, to June 30, 1962, for Department of Art	129 60	July 1, 1961
Albert N. Gregerson and Beatrice E. Gregerson	Rental of property at 1112 West California Avenue, Urbana, from September 1, 1963, to January 31, 1964, for Housing Division	2 485 00	September 1, 1963
International Business Machines Corp.	One item: conversion of eight-tape units from model number II to model number V	4 020 00	March 4, 1963
Mrs. Rosemund Lowry	Rental of property at 1007 South Fifth Street, Champaign, from September 1, 1963, to January 31, 1964, for Housing Division	2 475 00	September 1, 1963
Riley J. McCulley	Rental of property at 107 West California Avenue, Urbana, from September 8, 1963, to August 31, 1964, for Housing Division	18 000 00	September 8, 1963
B. A. Strauch	Rental of space at 707-709 South Wright Street, Champaign, from July 1, 1963, to June 30, 1964, for Commerce and Business Administration	2 400 00 (200 00 per month)	July 1, 1963
University of Illinois Foundation	Rental of Hott Memorial Center, Monticello, from July 1, 1963, to June 30, 1965, as an extension of Robert Allerton Park	24 000 00 (6 000 00 semiannually plus interest)	July 5, 1963
University of Illinois Foundation	Rental of Goodwin Avenue apartments located at Southeast corner of Green Street and Goodwin Avenue, Urbana, from July 1, 1963, to June 30, 1965, for Housing Division	114 280 00 (14 285 00 per quarter)	July 1, 1963
University of Illinois Foundation	Rental of 129 North Race Street, Urbana, from July 1, 1963, to June 30, 1965, for Psychology Department	20 424 00 (851 00 per month)	July 1, 1963
Cyrus W. Vaughn	Rental of 1102-A West Main Street, Urbana, from July 1, 1963 to June 30, 1964 for Education and University High School	1 920 00 (160 00 per month)	July 1, 1963
Total		\$498 383 76	

Contract Changes

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
Amstead Research Laboratories	Properties of refractories	\$30 000 00	August 12, 1963

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
Bendix Corp.	High-temperature thermal properties of ceramic-metal combinations	\$ 3 035 00	October 1, 1963
Griffin Wheel Co.	Improvement of cast steel railway car wheels	14 787 69	July 1, 1963
United States Air Force AF 41 (609)-1481	Determinants of monitoring behavior in complex tasks	10 951 00	July 26, 1963
United States Department of Defense SD-131	Research in science of materials (Materials Research Laboratory)	1 691 400 00	May 31, 1963
United States Navy Nobs-86688	Survey of existing knowledge of brittle fracture phenomena	30 000 00	June 5, 1963
United States Navy Nonr-1834(17)	Current problems of solid state and surface physics of semiconductors	30 000 00	August 1, 1963
United States Navy Nonr-1834 (34)	Luminescence of marine organisms	25 055 00	July 22, 1963
United States Navy Nonr-1834 (37)	Mechanism of antibody formation in the pig	35 027 00	July 25, 1963
United States Navy Nonr-1834 (38)	Dependence of dielectric properties on crystal structures	30 000 00	July 23, 1963
United States Navy Nonr-1834 (39)	Structure of individual differences in psychological phenomena	18 593 00	July 19, 1963
United States Navy Nonr-1834 (40)	Heat stable enzymes	10 214 00	July 1, 1963
United States of America, Agency for International Development AID-afe-63-A-1	Consolidating facilities of the present college and experiment station at Njala, Sierra Leone	4 000 00	February 5, 1963
VioBin Corp.	Fish meal and fish meal products in swine nutrition	1 500 00	August 1, 1963
<i>Total</i>		<u>\$1 934 562 69</u>	

Adjustments Made in 1962-63 Cost-Plus Contracts

<i>With Whom</i>	<i>Purpose</i>	<i>Amount</i>	<i>Date</i>
Harry F. Fisher (Plastering)	Four items: \$50.00 deduct to \$670.40	\$ 590 92	August, 1963

Adjustments Made in 1963-64 Cost-Plus Contracts

<i>With Whom</i>	<i>Purpose</i>	<i>Amount</i>	<i>Date</i>
George S. Grimmett & Co. (Plastering)	Twenty-five items: \$350.00 deduct to \$1,400.00	\$5 000 00	August and September, 1963

Summary

Amount to be paid to the University.....	\$3 656 520 69
Amount to be paid by the University.....	533 148 62

This report was received for record.

INVESTMENT REPORT Report of the Finance Committee

(20) The Finance Committee reported the following changes in investments of endowment and other funds for the month of August, 1963:

Ceramic Scholarship Fund

<i>Sale</i>				
\$ 5 000	U. S. Treasury Notes	3¾	11/15/64	\$ 5 007 03
<i>Exchange</i>				
\$ 5 000	U. S. Treasury Bonds	2½	8/15/63 for	
5 000	U. S. Treasury Notes	3¾	11/15/64	
<i>Purchase</i>				
\$ 5 000	U. S. Treasury Bonds	4	8/15/72	\$ 5 018 75

Duke Fund

<i>Sale</i>				
\$ 15 000	U. S. Treasury Notes	3¾	11/15/64	\$ 15 021 09
<i>Exchange</i>				
\$ 15 000	U. S. Treasury Bonds	2½	8/15/63 for	
15 000	U. S. Treasury Notes	3¾	11/15/64	

Kinley Fund

Sale

\$ 1 000	U. S. Treasury Notes	3¾	11/15/64	\$ 1 001 41
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Exchange

\$ 1 000	U. S. Treasury Bonds	2½	8/15/63 for	
1 000	U. S. Treasury Notes	3¾	11/15/64	

Purchase

\$ 1 000	U. S. Treasury Bonds	4	2/15/80	\$ 1 001 56
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Noyes Fund

Sale

\$ 10 000	U. S. Treasury Notes	3¾	11/15/64	\$ 10 014 06
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Exchange

\$ 10 000	U. S. Treasury Bonds	2½	8/15/63 for	
10 000	U. S. Treasury Notes	3¾	11/15/64	

Purchase

\$ 10 000	U. S. Treasury Bonds	4	2/15/80	\$ 10 015 63
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Chicago — Beneficial Interest in Trust

Exchange

\$ 178 000	U. S. Treasury Ctfs	3½	8/15/63 for	
178 000	U. S. Treasury Notes	3¾	11/15/64	

Purchase

\$ 3 000	U. S. Treasury Notes	3¾	11/15/64	\$ 3 007 50
8 000	U. S. Treasury Bonds	2⅝	2/15/65	7 935 00

Report of the Comptroller

The Comptroller reported the following changes in investments of current and unexpended plant funds, over which he has authority as indicated:

Current Funds

Restricted Group (June 20, 1962)

Sale

\$ 67 000	U. S. Treasury Notes	3¾	11/15/64	\$ 67 094 22
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Exchange

\$ 67 000	U. S. Treasury Bonds	2½	8/15/63 for	
67 000	U. S. Treasury Notes	3¾	11/15/64	

Agency Funds

University of Andes (June 20, 1962)

Sale

\$ 1 000	U. S. Treasury Notes	3¾	11/15/64	\$ 1 001 41
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Exchange

\$ 1 000	U. S. Treasury Bonds	2½	8/15/63 for	
1 000	U. S. Treasury Notes	3¾	11/15/64	

Construction Funds

Assembly Hall (June 23, 1959, and March 17, 1962)

Purchase

\$ 265 000	U. S. Treasury Bills		12/12/63	\$ 262 194 39
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Chicago — Congress Circle Union (June 19, 1963)

Purchase

\$ 550 000	U. S. Treasury Bills	9/19/63	\$ 547 844 00
220 000	U. S. Treasury Bills	10/10/63	218 675 97
340 000	U. S. Treasury Bills	11/14/63	336 876 53
315 000	U. S. Treasury Bills	12/19/63	311 132 33
260 000	U. S. Treasury Bills	1/15/64	256 043 67
895 000	U. S. Treasury Bills	4/15/64	873 404 15
7 610 000	U. S. Treasury Bills	7/15/64	7 356 942 16

Chicago — Dentistry-Medicine-Pharmacy Auxiliary (December 16, 1953)

Purchase

\$ 100 000	U. S. Treasury Bills	1/16/64	\$ 98 304 00
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Illini Union and Health Center (December 21, 1960)

Purchase				
\$ 212 000	U. S. Treasury Bills	12/12/63	\$	209 769 41
23 000	U. S. Treasury Bills	1/2/64		22 677 43

Illinois Street Residence Halls (October 17, 1962)

Sale				
\$ 670 000	U. S. Treasury Notes	3¾	11/15/64	\$ 670 837 50
Exchange				
\$ 670 000	U. S. Treasury Ctfs	3½	8/15/63 for	
670 000	U. S. Treasury Notes	3¾	11/15/64	
Purchase				
\$ 384 000	U. S. Treasury Bills	12/12/63	\$	379 959 68
30 000	U. S. Treasury Bills	1/2/64		29 579 25

Orchard Downs and SG-2 (June 14, 1960)

Purchase				
\$ 141 000	U. S. Treasury Bills	11/14/63	\$	139 840 28

Orchard Downs Addition (May 24, 1962)

Sale				
\$ 495 000	U. S. Treasury Notes	3¾	11/15/64	\$ 495 618 75
Exchange				
\$ 495 000	U. S. Treasury Bonds	2½	8/15/63 for	
495 000	U. S. Treasury Notes	3¾	11/15/64	
Purchase				
\$ 193 000	U. S. Treasury Bills	10/17/63	\$	191 929 71
193 000	U. S. Treasury Bills	11/14/63		191 412 58

Pennsylvania Avenue (June 21, 1961)

Purchase				
\$ 18 000	U. S. Treasury Bills	10/15/63	\$	17 887 15
67 000	U. S. Treasury Bills	10/17/63		66 627 29

Student Services (May 17, 1961)

Purchase				
\$ 7 000	U. S. Treasury Bills	10/15/63	\$	6 956 11

Sinking Funds

Chicago—Congress Circle Union (June 19, 1963)

Purchase				
\$ 196 000	U. S. Treasury Bills	9/19/63	\$	195 231 68
810 000	U. S. Treasury Bills	7/15/64		783 064 81

Housing Revenue Bonds (December 17, 1958; June 23 and October 21, 1959; June 14, 1960; June 21, 1961; and May 24 and October 17, 1962)

Sale				
\$ 146 000	U. S. Treasury Notes	3¾	11/15/64	\$ 146 205 31
Exchange				
\$ 35 000	U. S. Treasury Bonds	2½	8/15/63 and	
111 000	U. S. Treasury Ctfs	3½	8/15/63 for	
146 000	U. S. Treasury Notes	3¾	11/15/64	
Purchase				
\$ 796 000	U. S. Treasury Bills	9/19/63	\$	793 873 95
442 000	U. S. Treasury Bills	2/6/64		434 510 92
323 000	U. S. Treasury Bills	7/15/64		312 444 63

Illini Union and Health Center (December 21, 1960)

Purchase				
\$ 284 000	U. S. Treasury Bills	9/19/63	\$	283 062 01
141 000	U. S. Treasury Bills	11/29/63		139 782 07
6 000	U. S. Treasury Bills	1/30/64		5 907 38
22 000	U. S. Treasury Bills	8/31/64		21 214 71

Men's Residence Halls of 1956 (March 23 and September 18, 1956)

Sale					
\$ 44 000	U. S. Treasury Notes	3¾	11/15/64	\$ 44 061 88	
Exchange					
\$ 44 000	U. S. Treasury Bonds	2½	8/15/63 for		
44 000	U. S. Treasury Notes	3¾	11/15/64		
Purchase					
\$ 44 000	U. S. Treasury Bills		9/19/63	\$ 43 887 09	
37 000	U. S. Treasury Notes	3¾	8/15/64	37 080 94	

Men's Residence Halls of 1957 (March 12, 1957, and November 18, 1959)

Sale					
\$ 118 000	U. S. Treasury Notes	3¾	11/15/64	\$ 118 000 00	
Exchange					
\$ 118 000	U. S. Treasury Bonds	2½	8/15/63 for		
118 000	U. S. Treasury Notes	3¾	11/15/64		
Purchase					
\$ 100 000	U. S. Treasury Notes	3¾	8/15/64	\$ 100 281 25	
93 000	U. S. Treasury Bonds	2⅝	2/15/65	91 953 75	

Student Services (May 17, 1961)

Purchase					
\$ 27 000	U. S. Treasury Bills		9/19/63	\$ 26 922 17	
31 000	U. S. Treasury Bills		1/30/64	30 494 18	

Women's Residence Halls of 1956 (September 18, 1956, and February 15, 1961)

Sale					
\$ 100 000	U. S. Treasury Notes	3¾	11/15/64	\$ 100 140 63	
Exchange					
\$ 100 000	U. S. Treasury Bonds	2½	8/15/63 for		
100 000	U. S. Treasury Notes	3¾	11/15/64		
Purchase					
\$ 100 000	U. S. Treasury Bills		9/19/63	\$ 99 743 39	
32 000	U. S. Treasury Bonds	2⅝	2/15/65	31 610 00	
50 000	U. S. Treasury Notes	4⅝	5/15/65	50 875 00	

On motion of Mr. Williamson, this report was received for record.

REPORT ON "A MAJOR STREET AND HIGHWAY PLAN FOR THE CHAMPAIGN-URBANA AREA"

(21) In March, 1961, "A Major Street and Highway Plan for the Champaign-Urbana Urban Area" was presented to local government and University officials and other interested parties of the community. This report had been prepared for the Illinois Division of Highways by the firm of Harland Bartholomew and Associates, St. Louis, Missouri.

The Plan has been studied extensively by various units concerned in the University and a report of University reactions has subsequently been made to both the cities of Champaign and Urbana. A copy is being filed with the Secretary of the Board.

The city of Champaign has officially approved and adopted the report for future planning. The city of Urbana is in the process of doing so.

It is now recommended that the Board of Trustees approve in principle "A Major Street and Highway Plan for the Champaign-Urbana Area" for planning purposes, and the University's participation in the planning organization to be established for this area, which organization is required by the Federal-Aid Highway Act of 1962.

At the request of President Henry, the foregoing recommendation was presented by Director C. S. Havens of the Physical Plant Department, and Dr. John E. Baerwald, Director of Highway Traffic Safety Center and Professor of Traffic Engineering. Professor Baerwald discussed the plan in detail, illustrating his presentation with slides.

On motion of Mr. Johnston, the recommendations were approved.

DEGREES CONFERRED IN OCTOBER

The Secretary presented for record the following list of degrees conferred at Urbana as of October 15, 1963, on recommendation of the Urbana-Champaign Senate.

Summary

Degrees in the Graduate College, conferred at Urbana:

Doctor of Philosophy.....	167
Doctor of Education.....	10
Doctor of Musical Arts.....	2
Master of Arts.....	24
Master of Science.....	55
Master of Music.....	2
Master of Education.....	4
Master of Accounting Science.....	1
Advanced Certificate in Education.....	1
<i>Total, Graduate College.....</i>	<i>(226)</i>

Degrees in Veterinary Medicine, conferred at Urbana:

Bachelor of Science.....	3
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Baccalaureate Degrees, conferred at Urbana:

Bachelor of Science, College of Agriculture.....	2
Bachelor of Science, College of Engineering.....	7
Bachelor of Arts, College of Liberal Arts and Sciences.....	7
Bachelor of Science, College of Liberal Arts and Sciences.....	3
Bachelor of Science, College of Education.....	2
Bachelor of Science, College of Commerce and Business Administration...	5
Bachelor of Music, College of Fine and Applied Arts.....	1
Bachelor of Science, College of Physical Education.....	1
<i>Total, Baccalaureate Degrees.....</i>	<i>(31)</i>
<i>Total, Degrees Conferred at Urbana.....</i>	<i>297</i>

GRADUATE COLLEGE

Degree of Doctor of Philosophy

In Agronomy

RAM DEWAN SINHA, B.S., Patna University, 1951; M.S., 1961

In Animal Nutrition

HEMMIGE NARASIMHACHAR BHAGAVAN, Diploma, Indian Institute of Science, 1957; B.S., University of Mysore, 1958

In Animal Science

WILLIAM FOSTER DEAN, JR., B.S.A., M.S., University of Arkansas, 1956, 1957

WAYNE MERRILL DURDLE, B.S., Illinois State Normal University, 1959; M.S., 1961

JOHN ALLEN RESKO, A.B., St. Charles Seminary, 1955; M.S., Marquette University, 1960

ROBERT EWING SMITH, B.S., M.S., McGill University, 1955, 1957

In Botany

FAKHRI ABDUL LATIF BAZZAZ, Licence, Teachers Training College (Baghdad, Iraq), 1953; M.S., 1960

CHARLES LINDLEY KEMP, A.B., M.S., University of British Columbia, 1957, 1960

BARBARA JEAN KIECKHEFER, B.S., University of Wisconsin, 1959; M.S., 1961

RICHARD REGIS RUNGE, B.S., M.S., 1953, 1954

In Business

ROBERT EDWARD COFFEY, A.B., Principia College, 1953; M.B.A., Northwestern University, 1958

ARTHUR ADELBERT DONE, B.S., M.B.A., University of Utah, 1955, 1956

MARVIN GENE NEWPORT, B.S., Eastern Illinois University, 1957; M.S., 1961

In Ceramic Engineering

ROY EDWARD BICKELHAUPT, B.S., 1950; M.Met.E., Rensselaer Polytechnic Institute, 1959

RICHARD JOSEPH HERBST, B.S., M.S., 1958, 1960

In Chemical Engineering

RITCHIE DEANE MIKESELL, B.S., M.S., Rose Polytechnic Institute, 1955, 1958

In Chemistry

WILLIAM SCOTT CHILTON, B.S., Duke University, 1955

VICTOR FREDERICK GERMAN, B.S., University of Richmond, 1958

ROBERT LOUIS GERTEIS, B.S., Municipal University of Wichita, 1958; M.S., 1961

WEI-TSE HSIEH, B.S., National Taiwan University, 1956; M.S., 1960

CYNTHIA SANTOS JUAN, B.S., University of the Philippines, 1958; M.S., 1961

WILLIAM GEORGE KOCH, B.S., University of Notre Dame, 1947; A.M., Montana State University, 1953

CHUN-YEN LAI, B.S., M.S., National Taiwan University, 1954, 1957

JOHN ROBERT MARQUART, B.S., University of Arizona, 1955; M.S., 1961

CHARLES GORDON MCCARTY, B.S., M.S., University of Wichita, 1957, 1959

RICHARD ADLIN MEYER, B.S., M.S., Northeastern University, 1956, 1958

EDWARD LAPORTE SAFFORD, B.S., Northern Illinois University, 1958; M.S., 1960

JOSEPH HERMAN SCHAUBLE, B.S., M.S., Western Illinois University, 1954, 1956

JOHN EDWARD SCHULTZ, A.B., Westminster College, 1958

ROGER SEARLE, A.B., Oberlin College, 1958

CHARLES KENDALL STEINHARDT, B.S., University of Wisconsin, 1957

JOHN CLIFFORD SUMMERS, A.B., Augustana College, 1958

GERALD JAY TENNENHOUSE, B.S., M.S., Wayne State University, 1959, 1960

FLORIS YUNG TSANG, B.S., University of California (Berkeley), 1960

JAMES RONALD VAN HISE, B.S., Walla Walla College, 1959

In Civil Engineering

RICHARD HUGH BIGELOW, B.S., Michigan State College, 1941; M.S., North Carolina State College of Agriculture and Engineering, 1955

WILLIAM FINCH CARROLL, B.S., United States Military Academy, 1957; M.S., 1961

ALLEN FREDERICK DILL, B.S., United States Naval Academy, 1946; B.C.E., M.C.E., Rensselaer Polytechnic Institute, 1949, 1950

ATEF AHMED EL SAYED EL-ASSAL, B.C.E., Cairo University, 1956; M.S., 1961

PETER GERGELY, B.Eng., McGill University, 1960; M.S., 1962

GORDON GRACIE, B.A. Sc., University of Toronto, 1952

JOHN THOMAS HANLEY, B.S., M.S., Dartmouth College, 1947, 1948

ALFRED JOSEPH HENDRON, Jr., B.S., M.S., 1959, 1960

JAMES OTIS JIRSA, B.S., University of Nebraska, 1960; M.S., 1962

NAT WETZEL KRAHL, A.B., B.S., The Rice Institute, 1942, 1943; M.S., 1950

JOHN HENRY LAMB, Jr., B.S., M.S., 1956, 1959

AHMED KHAIRY NOOR, B.C.E., Cairo University, 1958; M.S., 1961

WILLIAM JAMES NORDELL, B.S., M.S., 1958, 1959

LOUIS GEORGE PETRO, B.C.E., Clarkson College of Technology, 1949; M.C.E., Brooklyn Polytechnic Institute, 1954

RICHARD BOYKIN POOL, B.S., University of South Carolina, 1942; M.S., Georgia Institute of Technology, 1952

CHARLES MATTHEW RADLER, B.S., United States Military Academy, 1957; M.S., 1962

JOHN CORNELIUS SIEMENS, B.S., University of California (Berkeley), 1957; M.S., 1958

SILVIO JOSEPH SPIGOLON, B.S., University of Mississippi, 1951, 1956

WILLIAM HAMILTON WALKER, B.S., University of Massachusetts, 1956; M.S., 1958

In Classical Philology

ELVIS OTHA WINGO, A.B., Mississippi College, 1955; A.M., 1956

In Communications

ROBERT JOSEPH GWYN, B.F.A., A.M., University of Texas, 1948, 1953

JACK SCHWARTZ, A.B., Temple University, 1954; A.M., University of Chicago, 1958

- ANKANAHALLI VENKATAPPA SHANMUGAM, A.B., A.M., A.M., University of Mysore, 1955, 1957, 1958
 YASUMASA TANAKA, A.B., Gakushuin University, 1954; A.M., 1961
 WILLIAM WEKSEL, A.B., Queens College, 1958; A.M., 1959

In Dairy Science

- JOEL SUNRISE TRUPIN, B.S., M.N.S., Cornell University, 1954, 1956

In Economics

- ROBERT WILFORD BECKSTEAD, B.S., M.B.A., University of Utah, 1955, 1956
 ROBERT EDWARD COLEBERG, JR., A.B., William Jewell College, 1953; M.B.A., Cornell University, 1957; A.M., 1961
 JOHN WILLIAM EILERT, A.B., Wheaton College, 1950; M.S., Northern Illinois University, 1958
 ROBERT FERDINAND SEVERSON, JR., B.S., A.M., 1958, 1960
 ARTHUR LLOYD WELSH, B.S.C., A.M., Ohio University, 1958, 1960

In Education

- MILTON LEON ADLER, B.S., Rutgers University, 1951; M.S., City College of New York, 1952
 WAYNE WALLACE ANTENEN, B.S., M.S., Illinois State Normal University, 1953, 1957
 ELMER EARL FERRIER, A.B., University of Michigan, 1950; A.M., University of Alabama, 1953
 GERALD LEW LARSON, B.S., M.S., Indiana University, 1956, 1957
 DALE EDWARD MATTSON, A.B., Colorado College, 1959; A.M., 1961
 ROBERT RICHARD REILLY, B.Mus.Ed., Illinois Wesleyan University, 1957; A.M., 1961
 JAMES RICHARD ROBERTS, A.B., Ed.M., University of Florida, 1957, 1958

In Electrical Engineering

- MAIER LIONEL BLOSTEIN, B.Eng., M.Eng., McGill University, 1954, 1959
 JAMES PETER BOBIS, B.S., M.S., 1958, 1959
 BRUCE EDWIN BRILEY, B.S., M.S., 1958, 1959
 MAX STUART CASLER, B.S., M.S., 1950, 1951
 DALE M. DIAMOND, B.S., University of Utah, 1957; M.S., 1961
 WILLIAM DONALD FRAZER, B.S.E., Princeton University, 1959; M.S., 1961
 HENRY GUCKEL, B.S., University of Buffalo, 1958; M.S., 1960
 CASSIUS ALBERT HESSELBERTH, B.S., M.S., 1957, 1958
 JAAN KRUS, B.A.Sc., University of Toronto, 1959; M.S., 1961
 RAMAKRISHNA NARAYANASAMY, B.Eng., University of Madras, 1956; M.S., 1960
 MATTHEW JOSEPH REMEC, B.S., 1956; M.S. (E.E.), M.S. (Math.), University of Wisconsin, 1957, 1958
 JAMES ALBERT RESH, B.S., Michigan State University, 1959; M.S., 1961

In English

- MICHAEL JOSEPH COLACURCIO, JR., A.B., A.M., Xavier University, 1958, 1959
 MARY JEAN DEMARR, A.B., Lawrence College, 1954; A.M., 1957
 ROBERT WILLIAM LEWIS, JR., A.B., University of Pittsburgh, 1952; A.M., Columbia University, 1958
 JOSEPH EDMUND MILOSH, JR., A.B., St. Edward's University, 1958; A.M., 1960

In Entomology

- FRANCISCO PACHECO, Ing.Agr., National School of Agriculture (Mexico), 1952; M.S., University of Massachusetts, 1955

In Food Science

- FRANCIS FREDRICK BUSTA, A.B., M.S., University of Minnesota, 1957, 1961
 HENRY PRIDGEN FLEMING, B.S., M.S., North Carolina State College of Agriculture and Engineering, 1954, 1958
 EDWARD CLARENCE GROESCHEL, JR., B.S., Illinois Institute of Technology, 1958; M.S., 1962
 CHAIM GUR-ARIEH, B.S., Technion-Israel Institute of Technology, 1960; M.S., 1962

In French

ROBERT JOSEPH HARDIN, A.B., A.M., North Texas State College, 1950, 1956
LOUISE MARIE JEFFERSON, A.B., Hunter College, 1947; A.M., 1957

In Geology

PAUL DAVID FULLAGAR, A.B., Columbia University, 1960
ELIZABETH JEAN HANAGAN, A.B., Southern Illinois University, 1954; A.M., University of Wyoming, 1957
CONSTANTINE THOMAS MANOS, B.S., City College of New York, 1958; M.S., 1960
RUBINI SOERIA-ATMADJA, B.S., M.S., University of Indonesia, 1957, 1958
DANIEL ANDREW TEXTORIS, A.B., Western Reserve University, 1958; M.S., Ohio State University, 1960

In History

ELIZABETH CHIDESTER DURAN, A.B., College of the Pacific, 1952; A.M., Fletcher School of Law and Diplomacy, 1956
JOHN EDWARD HODGE, B.S., College of Charleston, 1959; A.M., 1960
GEORGE WILLIAM PILCHER, A.B., University of Dayton, 1957; A.M., Oklahoma State University of Agriculture and Applied Science, 1959
LEWIS MILTON ROBINSON, A.B., Westmont College, 1951; A.M., 1956
KEITH LAVERNE SPRUNGER, A.B., Wheaton College, 1957; A.M., 1958
ROBERT ALFRED WALLER, A.B., Lake Forest College, 1953; A.M., 1958

In Horticulture

JOHN EDWARD LOVE, B.S., M.S., Louisiana State University and Agricultural and Mechanical College, 1958, 1960

In Library Science

HERBERT LYMAN SEARCY, A.B., Eastern Kentucky State College, 1946; A.M., Ohio State University, 1948; M.S., 1954

In Mathematics

EARL OWEN EMBREE, B.S., Morgan State College, 1950; M.S., 1952
CLINTON ROSS FOULK, A.B., University of Kansas, 1951; A.M., 1958
VYTAS BRUTUS GYLYS, B.S., Roosevelt University, 1951; M.S., Northwestern University, 1953
ADNAN FARHAN IFRAM, B.S., American University of Beirut, 1959; M.S., 1961
GEORGE THOMAS RUBLEIN, B.S., St. Mary's University of San Antonio, 1957; M.S., 1958
JAMES EDWARD SKEATH, A.B., Swarthmore College, 1958; A.M., 1960
HARRIS WESTCOTT VAYO, A.B., Culver-Stockton College, 1957; M.S., 1959
ROBERT MARTIN VOGT, B.S., M.S., 1956, 1958

In Mechanical Engineering

WILLIAM JAMES BATTIN, B.S., Swarthmore College, 1950; M.S.E., Princeton University, 1955
ARTHUR MARVIN CLAUSING, B.S., Valparaiso University, 1958; M.S., 1960
JOHN BRUCE MILES, B.S., M.S., University of Missouri School of Mines and Metallurgy, 1955, 1957
CHOR-WENG TAN, B.S., Evansville College, 1959; M.S., 1961
ROBERT ALLAN WHITE, B.S., M.S., 1957, 1959

In Metallurgical Engineering

ROBERT JAY BLOCK, B.S., Massachusetts Institute of Technology, 1956; M.S., Columbia University, 1958

In Microbiology

ROAR LEIF IRGENS, B.S., 1957
WILLIAM JOHN MANDY, B.S., Elmhurst College, 1958; M.S., University of Houston, 1962
SAUL ALLEN YANKOFKY, B.S., 1959

In Philosophy

SANDRA SCHWARTZ BARTKY, A.B., A.M., 1955, 1959

DON DAVIS ROBERTS, A.B., Roosevelt University, 1956; A.M., 1958

In Physical Education

KENNETH STEVENS CLARKE, B.S., George Williams College, 1953; M.S., 1957

JAMES STANFORD SKINNER, B.S., M.S., 1958, 1960

In Physics

BARRY LOUIS BERMAN, A.B., Harvard College, 1957; M.S., 1959

ROBERT DARROW FOCHAUX, A.B., B.S., Lehigh University, 1956, 1956; M.S., 1958

GORDON LEON KANE, A.B., University of Minnesota, 1958; M.S., 1961

JAMES DAVID LESLIE, B.A.Sc., University of Toronto, 1957; M.S., 1960

FRED MARCUS LURIE, B.S., University of North Carolina, 1952; M.S., 1957

KONG KI MIN, A.B., Amherst College, 1957; M.S., 1959

CHARLES HERBERT NEUMAN, B.S., California Institute of Technology, 1958; M.S., 1960

In Physiology

JOHN EDWARD GREENLEAF, B.S., 1955; A.M., New Mexico Highlands University, 1956; M.S., 1962

JOHN ANTHONY NICOLETTE, A.B., Dartmouth College, 1956; M.S., 1960

DONALD THEODORE PALS, A.B., Calvin College, 1956; M.S., 1960

In Political Science

THAD LEWIS BEYLE, A.B., A.M., Syracuse University, 1956, 1960

ROBERT DON HEIDORN, A.B., Lawrence College, 1959; A.M., 1960

LOIS MORRELL PELEKODAS, B.S., Wisconsin State College (Eau Claire), 1956; A.M., 1958

In Psychology

ALAN RONALD BASS, A.B., Washington University, 1953; A.M., 1959

LAWRENCE RAYMOND BOULTER, A.B., University of British Columbia, 1959

FRANKLIN HOWARD GROFF, B.S., 1956

JAMES WILLIAM JULIAN, A.B., Michigan State University, 1955; A.M., 1960

JOSEPH LEVIN, A.B., Hebrew University (Jerusalem), 1951

HALSEY HULBURT MATTESON, A.B., A.M., 1959, 1962

IRVIN MOELIS, A.B., 1957

DANIEL CRAIG O'CONNELL, A.B., Ph.L., A.M., S.T.L., St. Louis University, 1951, 1952, 1953, 1960

In Sociology

THOMAS JOSEPH DUGGAN, A.B., Ph.L., A.M., St. Louis University, 1957, 1958, 1959

PHILIP WOBBER MARDEN, A.B., Rutgers University, 1955; A.M., 1960

GEORGE ALLEN POWNALL, B.S., M.S., Illinois State Normal University, 1952, 1957

JOHN RAY STRATTON, A.B., A.M., 1957, 1959

BARBARA RUTH WILLIAMS, A.B., Austin College, 1954; A.M., 1957

In Speech

LARRY DALE CLARK, B.S., Southwest Missouri State College, 1956; A.M., University of Missouri, 1961

WILLIAM SCOTT CRAIG, A.B., College of Wooster, 1956; A.M., 1957

THEODORE HERSTAND, A.B., A.M., State University of Iowa, 1953, 1957

ROBERT KENNEDY SIMPSON, B.S., Eastern Illinois University, 1950; M.S., 1955

In Theoretical and Applied Mechanics

NELSON ROBERT BAULD, JR., B.S., M.S., West Virginia University, 1958, 1960

LEE ROY CALCOTE, B.S., M.Eng., Agricultural and Mechanical College of Texas, 1948, 1952

JAMES MARTIN DOYLE, B.S., M.S., Iowa State University, 1956, 1960

JAMES LAKE HILL, B.S., University of Oklahoma, 1959; M.S., 1962

RALPH MARLAND VERETTE, B.S., M.S., Purdue University, 1960, 1961

I CHIH WANG, B.S., National Taiwan University, 1956; M.S., 1960

In Veterinary Medical Science

ROBERT FRANK LOCKE, D.V.M., Agricultural and Mechanical College of Texas, 1942; M.P.H., University of Michigan, 1948

Degree of Doctor of Education*In Education*

JAMES FERRIS BILLINGSLEY, A.B., A.M., University of Michigan, 1949, 1954
DELORES MAY CURTIS, B.S., Indiana State Teachers College, 1951; M.S., 1957
WESLEY LLOYD FACE, B.S., Northern State Teachers College (South Dakota), 1951; M.S., Stout State College, 1956
DANIEL LEE HOUSEHOLDER, B.S., M.S., Eastern Illinois University, 1954, 1957
VIRGINIA ROSE MOORE, B.S., M.S., Central Missouri State College, 1949, 1950
JOHN JOSEPH TWOMBLY, B.Ed., Eastern Illinois University, 1934; A.M., Northwestern University, 1941
JAMES DOUGLAS WALDEN, B.Ed., Wisconsin State College (LaCrosse), 1951; M.S., University of Wisconsin, 1954

In Music Education

JANET LOUISE VAN MATRE MEYER, B.S., M.S., 1949, 1951
MARILYN RUTH PFLEDERER, B.Mus., Illinois Wesleyan University, 1951; M.S., 1955
BENNETT REIMER, B.S., State University of New York College of Education (Fredonia), 1954; M.S., 1955

Degree of Doctor of Musical Arts

JAMES AVERY HOFFMANN, B.Mus., New England Conservatory of Music, 1951; B.Mus., M.Mus., Yale University, 1952, 1953
FRANK ROBERT SHALLENBERG, B.Mus., B.Mus.Ed., Phillips University, 1953, 1953; M.Mus., 1957

Degree of Master of Arts*In Art History*

DEBORAH ANN JONES, A.B., Elmira College, 1962

In Economics

EUGENE STANLEY BUINO, B.S., DePaul University, 1962
LAWRENCE ARTHUR RUPLEY, A.B., Manchester College, 1962

In English

ANNE TROPP, A.B., Cornell University, 1961

In French

CHRISTINA VON HÜLPHERSHAUSEN ABDELLA, A.B., 1962
DARRYL BRUCE WILSON, A.B., Augustana College, 1959

In History

RICHARD WHEELER CALLENDER, A.B., 1959
MICHAEL FRANCIS FOLEY, JR., A.B., American International College, 1961
JAMES HARRY FORSE, A.B., State University of New York College of Education (Albany), 1962
PAUL DAVID HÉBERT, A.B., Knox College, 1961
FREDERICK EDWARD LAURENZO, A.B., Houghton College, 1961
JAMES RUSSELL MCCOSH, A.B., 1953; B.D., Northern Baptist Theological Seminary, 1956
GLENN OSMOND NICHOLS, A.B., Franklin and Marshall College, 1961
JEROME RICHARD ROSENBERG, A.B., Knox College, 1959

In Labor and Industrial Relations

PHILIP GRABER, B.S., 1961
GEORGE ROBERT ITTEL, A.B., Amhurst College, 1960
ALLAN DAVID SILBERMAN, A.B., Miami University, 1957

In Mathematics

RICHARD KARL COBURN, B.S., Utah State University, 1943

In Political Science

LOUIS SILVERSTEIN, B.B.A., College of the City of New York, 1962

In Psychology

STEPHEN LEWIS CARMEAN, A.B., 1960

JOHN EDWARD HUNTER, B.S., University of New Mexico, 1961

EVA DELL MAURER, B.S., Illinois State Normal University, 1959

In Spanish

ARTHUR JOE PIANA, A.B., 1943

ALICE LUELLEN WATSON, A.B., Marietta College, 1961

Degree of Master of Science*In Accountancy*

SAMUEL LEE BARNETT, B.S., Miami University, 1961

DONALD GLENNON HOHE, B.S., Washington University, 1958

In Advertising

DAVID PAUL WINKELMANN, B.S., 1961

In Agricultural Economics

HARRY JOSEPH BOURN, B.S., 1962

CHARLES EDWARD HARSHBARGER, JR., B.S., 1962

In Agricultural Engineering

GARY LEE STAHL, B.S., 1962

JACK LYNN WOERNER, B.S., Washington State University, 1961

In Agronomy

DARRELL WAYNE NELSON, B.S., 1961

CHARLES DUANE SOPHER, B.S., Western Illinois University, 1961

In Ceramic Engineering

RONALD WILLIAM KNAKE, B.S., 1962

In Chemical Engineering

KLANE F FORSGREN, B.E.S., Brigham Young University, 1961

KENNETH WILLIAM HALEY, B.S., Stanford University, 1961

DEAN LEROY ULRICHSON, B.S., University of Nebraska, 1962

In City Planning

DONALD EDGAR BAILEY, B.B.A., University of Wisconsin, 1953

RAYMOND CLIFFORD ROBINSON, JR., B.Arch., Kent State University, 1961

In Civil Engineering

RONALD KEITH BREWER, B.S., 1962

ROBERT NANCE LESLIE, B.S., 1962

In Commercial Teaching

LOUIS HOWARD FLECK, B.S., 1953

In Dairy Science

DONALD CLARENCE BEITZ, B.S., 1962

In Dairy Technology

MUHSIN MOHAMMED ALI AL-SHABIBI, B.S., University of Bagdad, 1957

In Education

MARGARET ELIZABETH COSTLOW DYSON, B.S., South Dakota State College of Agriculture and Mechanic Arts, 1940

LAWRENCE THOMAS FRASE, A.B., University of Miami, 1960

DEVORE EUGENE KILLIP, B.S., D.D.S., 1945, 1947

ROGER ESMOND MARTIN, A.B., 1958

In Electrical Engineering

KENNETH LEROY SEIB, B.S., Evansville College, 1960
MARVIN LEE WAHL, B.S., 1962

In Finance

FRED RICHARD DIEZ, B.S., Elmhurst College, 1958
AHMAD DAUOD MOHAMMAD ISSA, B.S., 1962

In Food Science

SAMUEL ANTHONY PALUMBO, B.S., Loyola University, 1961
VINCENT THEODORE RIECK, B.S., 1962

In Geology

GREGORY THOMAS SPANSKI, B.S., University of Missouri School of Mines and Metallurgy, 1961
CYNTHIA ROSEMAN WRIGHT, A.B., Augustana College, 1960

In Home Economics

MARTHA JEAN KIELHORN GAINES, B.S., 1962
JEANNE LOUISE HAFSTROM, B.S., 1958
JANE ELIZABETH HUMPHREY, B.S., 1961
DELIA ARMIDA NAVARRETE, Graduate, University of Honduras, 1958
ANNA ELIZABETH RAUBENHEIMER, B.S., 1963
KAY MARILYN WEBEL, B.S., Western Illinois University, 1961

In Horticulture

EDWARD LAW ROSE, B.S., 1962

In Journalism

RUSSELL LEE HERRON, B.S., Eastern Illinois University, 1957

In Library Science

NAJAF ALI KHAN, B.S., Panjab University, 1956

In Management

ROGER DUANE RODERICK, B.S., Eastern Illinois University, 1960

In Marketing

FRANK LUPI, B.S., 1961

In Mathematics

KYAW MYA THEIN, B.S., M.S., 1959, 1961

In Metallurgical Engineering

ALBERT GUSTAV JORDAN, B.S., Purdue University, 1962
WEI TONG SHIEH, Grad., Taiwan Provincial Taipei Institute of Technology, 1955;
B.A.Sc., University of Toronto, 1961

In Physical Education

ROBERT WAYNE GRUENINGER, B.S., Springfield College, 1962

In Physics

JOHN G. HUBER, B.S., Stanford University, 1962

In Sanitary Engineering

MILLARD WAYNE HALL, B.Eng., Vanderbilt University, 1962
WALTER NEILL THOMASSON, B.Eng., Vanderbilt University, 1962

In Theoretical and Applied Mechanics

ELMER EUGENE REIS, JR., B.S., 1962
LAXMAN SAKHARAM SANE, B.Eng., M. Eng., University of Poona, 1953, 1961
SOSROWINARSO SOSRODININGRAT, Doctor, Institute of Technology (Bandung), 1955

In Veterinary Medical Science

SAHEB SINGH AHLUWALIA, B.S., M.S., Agra University, 1952, 1959

In Zoology

DAVID LEON STOCUM, A.B., Susquehanna University, 1961

Degree of Master of Music

DIXIE RODEHAVER BIELENBERG, B.Mus., 1961

CAROLYN SUE JACKSON, B.Mus., Indiana University, 1962

Degree of Master of Education

ROBERT EDWARD BURNS, A.B., Blackburn College, 1957

MARJORIE WALLER CARTER, B.S., Eastern Illinois University, 1951

KENNETH LEE GRAHAM, B.S., Memphis State University, 1960

DAVID MONK, B.S., Diploma, University of Sydney, 1955, 1956

Degree of Master of Accounting Science

GARY NEIL ERVIN, B.S., 1962

Advanced Certificate*In Education*

FRANK ARDEEN BRIDGEWATER, B.S., M.S., 1946, 1950

COLLEGE OF AGRICULTURE**Degree of Bachelor of Science***In Home Economics*

KATHRYN JANET COLLINS

In Home Economics Education

JANET AKIN FARO, Honors

COLLEGE OF ENGINEERING**Degree of Bachelor of Science***In Aeronautical and Astronautical Engineering*

WILLIAM STANLEY EBERHART

In Civil Engineering

JOHN ANDREW SANDEEN

DAVID LEE TRAVER, High Honors

In General Engineering

TODD SHELDON PARKHURST

In Electrical Engineering

ALAN LEE FENSIN

EUGENE CLARENCE PUDIL

In Engineering Physics

PHILIP ERNEST STICHA

COLLEGE OF LIBERAL ARTS AND SCIENCES**Degree of Bachelor of Arts***In Liberal Arts and Sciences*

WILLIAM FREDERIC BECKMAN

JAMES RICHARD HAMMOND

PATRICIA ANN HORNICK

DORIS PAUL HUNTER

DAVID EUGENE SCHOB

HOWARD BLOUGH WILLIAMSON

In the Teaching of Social Studies

MILTON PAUL NOVAK

Degree of Bachelor of Science*In Liberal Arts and Sciences*DALE BRIAN ENGQUIST
BURTON GITLES

PAUL EARL HEPNER, JR.

COLLEGE OF EDUCATION**Degree of Bachelor of Science***In Elementary Education*STEPHANIE CHERRY BALTER
MARLENE SCHARF ENGBERG**COLLEGE OF COMMERCE AND BUSINESS ADMINISTRATION****Degree of Bachelor of Science***In Accountancy*

STEPHEN BLANSETT HILL, High Honors

In Commercial Teaching

ADELE LYNN HERDT

In Finance

HOWARD JEROME SIEGEL

In Marketing

ALBERT JAYE TILL

In Secretarial Training

L. PAULINE VAUGHAN

COLLEGE OF FINE AND APPLIED ARTS**Degree of Bachelor of Music**

LYNNE WOODS, Honors

COLLEGE OF PHYSICAL EDUCATION**Degree of Bachelor of Science***In Recreation*

PATRICIA MARIE KORTKAMP

COLLEGE OF VETERINARY MEDICINE**Degree of Bachelor of Science***In Veterinary Medicine*WILLIAM EDWARD FABIAN
CHARLES WILLIAM SALZMAN

NORMAN STEVEN SILVERSTEIN

SECRETARY'S REPORTS

The Secretary presented for record the following lists: appointments to the faculty made by the President; appointments of fellows; cancellations, declinations, resignations, and terminations; leaves of absence; cancellation of sabbatical leave of absence.

APPOINTMENTS MADE BY THE PRESIDENT

(The date in parentheses is the date on which the appointment was approved by the President of the University. C = College; S = Station; E = Extension.)

ADAMS, WILLIAM C., Instructor in Physical Education for Men, $\frac{2}{3}$ time, academic year beginning September 1, 1963, \$3,800, supersedes (9-12-63).

ALEXANDROU, NICHOLAS E., Research Associate in Chemistry, five months from September 1, 1963, \$508.33 a month (9-26-63).

- ALI, ISRAR, Research Assistant in Biological Chemistry (Medicine), one year from September 1, 1963, \$5,150 (10-3-63).
- ALLEN, JOHN W., Assistant in Economics, $\frac{1}{2}$ time, nine months from September 16, 1963, \$2,275, and Assistant in Finance, $\frac{1}{2}$ time, September 16, 1963-January 31, 1964, \$1,050, supersedes (10-2-63).
- ALLERHAND, ADAM, Instructor in Physical Chemistry, academic year beginning September 1, 1963, \$6,800 (9-4-63).
- ALSOBROOK, JAMES M., JR., Visiting Assistant Professor of Psychology, $\frac{2}{3}$ time, one year from September 1, 1963, \$5,880 (9-26-63).
- ANDERSON, LYNN R., Instructor in Psychology, $\frac{1}{3}$ time, and Research Associate in Psychology, $\frac{1}{3}$ time, academic year beginning September 1, 1963, \$3,400 (9-5-63).
- ANDERSON, WILLIAM L., Research Associate in the State Natural History Survey and in the Graduate College, $\frac{1}{2}$ time, seven months from November 1, 1963, \$1,919.19, and full time, one month from June 1, 1964, \$548.33, supersedes (9-27-63).
- ANTONY, KIZHAKKEVALIAVEEDU S., Assistant in Physics, Department of Chemistry (Pharmacy), nine months from September 16, 1963, \$4,200 (9-23-63).
- APPLEBEE, ROGER K., Associate Director of Cooperative Research Project No. 1994, Department of English, one year from September 1, 1963, \$10,500 (9-26-63).
- ARLT, MRS. PHYLLIS B., Instructor in Speech and Theatre, $\frac{1}{2}$ time, academic year beginning September 1, 1963, \$3,520 (9-26-63).
- ARO, AURELIA M., Instructor in Pharmacognosy and Pharmacology (Pharmacy), $\frac{1}{2}$ time, academic year beginning September 1, 1963, \$2,950, supersedes (9-20-63).
- AST, MRS. MARIA E., Instructor in Foreign Languages (Chicago Undergraduate Division), academic year beginning September 1, 1963, \$5,000 (9-4-63).
- ATLAS, AMOS, Research Associate in Theoretical and Applied Mechanics (C), academic year beginning September 1, 1963, \$5,700 (9-13-63).
- BAIN, WILLIAM H., Instructor in Educational Administration (College of Education), one year from September 1, 1963, \$7,500 (8-31-63).
- BAKER, HAROLD A., Visiting Lecturer in Law, September 12, 1963, and continuing until further notice but not beyond January 31, 1964, \$1,000 a month (9-30-63).
- BAKRI, MAARIB, Assistant in Botany, $\frac{1}{2}$ time, and Research Assistant in Botany, $\frac{1}{2}$ time, September 16, 1963-January 31, 1964, \$2,100 (10-1-63).
- BANERJEE, AMAL C., Research Assistant in Agricultural Entomology (C), $\frac{1}{2}$ time, nine months from September 1, 1963, \$216.67 a month, and full time, three months from June 1, 1964, \$433.33 a month (8-31-63).
- BARKER, RONNIE C., Research Assistant in Chemistry, September 16, 1963-August 31, 1964, \$4,945 (9-27-63).
- BARTKY, SANDRA S., Instructor in Philosophy (Chicago Undergraduate Division), $\frac{1}{2}$ time, academic year beginning September 1, 1963, \$3,000 (9-4-63).
- BASU, GOBINDA L., Research Associate in Chemistry, one year from September 1, 1963, \$6,800 (9-26-63).
- BAULING, DOUGLAS B., Instructor in Agricultural Engineering (C and S), one year from September 1, 1963, \$8,000 (9-26-63).
- BAYM, GORDON A., Research Assistant Professor of Physics, academic year beginning September 1, 1963, \$8,100, supersedes (9-23-63).
- BAZZAZ, FAKHRI, Visiting Assistant Professor of Botany, nine months from September 16, 1963, \$6,700 (9-25-63).
- BEAVERS, JOSEPH E., Assistant Professor and Adjutant of Military Science, August 1, 1963-August 31, 1964, \$600 a year (8-19-63).
- BECK, CHARLES E., Consultant in Psychiatry, Health Service, one year from September 1, 1963, without salary (9-25-63).
- BELL, MRS. CHRISTEL W., Assistant in German, September 16, 1963-January 31, 1964, \$2,300, supersedes (9-27-63).
- BENZEL, JAMES F., Research Associate in Ceramic Engineering (S), full time, September 1-15, 1963, and $\frac{1}{3}$ time, September 16, 1963-May 31, 1964, \$2,000, supersedes (9-19-63).
- BERNSTEIN, IRA H., Research Associate and Instructor in Psychology, academic year beginning September 1, 1963, \$5,000 (9-20-63).

- BLUMENTHAL, MRS. SHIRLEE, Instructor in English, first semester of academic year, September 1, 1963-January 31, 1964, \$2,600 (9-4-63).
- BOGDANSKA, MRS. HALINA, Research Associate in Animal Science (S), one year from September 1, 1963, \$6,500, supersedes (9-20-63).
- BOS, WILLIAM G., Research Associate in Chemistry, one year from September 1, 1963, \$6,300 (9-19-63).
- BREHMAN, GEORGE E., JR., Assistant in Educational Administration, nine months from September 16, 1963, \$4,500 (9-20-63).
- BROOKS, F. LESLIE, Instructor in Physical Chemistry, academic year beginning September 1, 1963, \$7,500 (9-26-63).
- BROOM, GLEN M., Assistant Extension Editor, with rank of Instructor (E), September 16, 1963-August 31, 1964, \$6,133.30, supersedes (9-3-63).
- BROWN, RICHARD M., Research Assistant in Ceramic Engineering (C), eleven months from October 1, 1963, \$7,000 a year, supersedes (10-2-63).
- CAMERON, EDMUND S., Instructor in Inorganic Chemistry, $\frac{1}{2}$ time, academic year beginning September 1, 1963, \$3,200 (9-9-63).
- CARPER, MRS. GLADYS, House Director, Temporary Housing at 1112 West California Avenue, Urbana, September 8, 1963-January 23, 1964, \$900; for the convenience of the University, she will also receive room and meals at Busey Dining Rooms while the dining rooms are in operation (10-3-63).
- CARR, KENNETH R., Instructor in Electrical Engineering (C), $\frac{1}{4}$ time, to render service during the first semester of the academic year beginning September 1, 1963, \$675 (10-1-63).
- CARRAWAY, CORALIE A., Research Assistant in Chemistry, one year from September 1, 1963, \$5,400 (9-11-63).
- CARSELLO, CARMEN J., Counselor (Reading Improvement Laboratory), Student Counseling Service, and Instructor in Education (Chicago Undergraduate Division), one year from September 1, 1963, \$9,200 (9-27-63).
- CARTER, HERBERT E., Acting Dean of the Graduate College, beginning September 1, 1963, and continuing until further notice, \$1,000 a year; this is in addition to his present appointment as Professor of Biochemistry and Head of the Department of Chemistry and Chemical Engineering; supersedes (9-3-63).
- CHAMP, DAVID G., Instructor in Architecture, academic year beginning September 1, 1963, \$6,500 (9-3-63).
- CHAPMAN, MRS. MARGUERITE R., Instructor in Medical Social Work (Medicine), one year from September 1, 1963, \$7,500 (9-20-63).
- CHAPMAN, PETER J., Research Associate in Chemistry, one year from September 1, 1963, \$7,000, supersedes (9-26-63).
- CHEIFETZ, DAVID I., Assistant Professor of Nursing, $\frac{1}{4}$ time, September 30-December 20, 1963, and March 23-June 12, 1964, total salary \$1,550 a year; this is in addition to his appointment as Assistant Professor of Psychology, Department of Psychiatry (Medicine), without salary (10-3-63).
- CLAGGETT, W. STEPHEN, Assistant in Agricultural Law (Agricultural Economics) (E), two months from October 1, 1963, \$511.12 a month (10-5-63).
- CLAUSING, ARTHUR M., Assistant Professor of Mechanical Engineering (C), academic year beginning September 1, 1963, \$9,000, supersedes (9-26-63).
- COLEMAN, PHILIP Y., Instructor in English, $\frac{1}{2}$ time, academic year beginning September 1, 1963, \$3,500 (9-20-63).
- COLSMAN, DONNA L., Instructor in Medical Social Work (Medicine), August 26, 1963-August 31, 1964, \$6,200 a year (9-4-63).
- COMPTON, MARION E., Assistant in Veterinary Pathology and Hygiene (College of Veterinary Medicine), one year from September 1, 1963, \$5,600, supersedes (9-17-63).
- COOLEY, HAROLD N., Assistant Administrative Dean in the Vice-President's Office (Chicago Undergraduate Division), two years from September 1, 1963, \$14,000 a year, supersedes (9-4-63).
- CORNELL, HARRISON K., Educational Script Writer in Broadcasting and Television-Motion Pictures (College of Journalism and Communications), one year from September 1, 1963, \$7,000 (9-4-63).
- COTTRELL, FRANCES B., Assistant in Botany, nine months from September 16, 1963, \$4,200, supersedes (9-27-63).

- CRAWFORD, JAMES E., Assistant Director of Housing for Undergraduate Residence Halls (Physical Plant and Office of Dean of Students), one year from September 1, 1963, \$9,000; for the convenience of the University, he will also receive room and board; supersedes (9-4-63).
- CREMER, BENNETT J., Staff Physician in the Health Service, September 9, 1963-June 30, 1964, \$14,000 a year (10-2-63).
- CROY, LAVOY I., Assistant in Crop Physiology (Agronomy) (S), full time, September 1-15, 1963, \$233.33, and $\frac{1}{4}$ time, September 16, 1963-August 31, 1964, \$1,341.71, supersedes (9-4-63).
- DAVIES, MICHAEL S., Instructor in Electrical Engineering (C), $\frac{1}{2}$ time, academic year beginning September 1, 1963, \$2,500, supersedes (8-31-63).
- DAVIS, E. E., Visiting Instructor in Psychology, $\frac{2}{3}$ time, nine months from September 16, 1963, \$4,400 (9-26-63).
- DEAM, EDWARD L., Associate Professor of Architecture (Chicago Undergraduate Division), indefinite tenure from October 1, 1963, to render service during each academic year, \$12,600 a year, supersedes (10-3-63).
- DEFOTIS, WILLIAM, Assistant Professor of General Engineering (Chicago Undergraduate Division), academic year beginning September 1, 1963, \$7,300, supersedes (9-4-63).
- DE MARCO, WILLIAM, Visiting Instructor in Psychology, $\frac{1}{2}$ time, nine months from September 16, 1963, \$3,000 (9-19-63).
- DERBYSHIRE, WILLIAM, Research Associate in Chemistry, one year from September 1, 1963, \$6,500, supersedes (9-20-63).
- DETERT, DAVID G., Research Assistant in Electrical Engineering (S), one year from September 1, 1963, \$5,600 (9-3-63).
- DEVITO, ROBERT A., Research Assistant in Psychiatry (Medicine), August 1, 1963-August 31, 1964, without salary (9-19-63).
- DHAWAN, DEVINDRA, Research Associate in Chemistry (Pharmacy), one year from September 1, 1963, \$6,600 (9-20-63).
- DIXIT, SARYU N., Research Associate in Chemistry (Pharmacy), one year from September 1, 1963, \$6,360 (9-4-63).
- DOTY, DABNEY B., Instructor in General Engineering (C), $\frac{1}{4}$ time, September 16, 1963-January 31, 1964, \$750 (9-4-63).
- DOWNING, ROBERT W., Research Physicist, College of Engineering, one year from September 1, 1963, \$7,000, supersedes (9-4-63).
- EERSPACH, GUENTER, Instructor in German, academic year beginning September 1, 1963, \$6,300 (9-26-63).
- EHRMAN, JOHN R., Research Assistant Professor of Physics (Digital Computer Laboratory), two years from September 1, 1963, to render service during each academic year, \$8,500 a year (9-26-63).
- EISEN, NATHANIEL H., Assistant Professor of Psychology, $\frac{1}{2}$ time, academic year beginning September 1, 1963, \$4,500 (9-24-63).
- ELKINS, HARRY R., Assistant in the Institute of Aviation, one year from September 1, 1963, \$6,000 (9-7-63).
- ENGEL, MILTON B., Professor of Orthodontics (Dentistry), $\frac{3}{5}$ time, indefinite tenure from September 1, 1963, \$9,600 a year, supersedes (9-27-63).
- FABER, L. PENFIELD, Clinical Instructor in Surgery (Medicine), one year from September 1, 1963, without salary (9-20-63).
- FARA, HARRY, Research Associate in Mining, Department of Mining, Metallurgy, and Petroleum Engineering (C), $\frac{3}{4}$ time, September 16, 1963-January 31, 1964, \$2,249.81 (10-1-63).
- FEDER, CECILE S., Instructor in Mathematics (Chicago Undergraduate Division), $\frac{1}{2}$ time, academic year beginning September 1, 1963, \$3,100 (9-4-63).
- FEINBERG, ARNOLD, Research Assistant in Civil Engineering (C), nine months from September 16, 1963, \$4,600, supersedes (9-4-63).
- FELDMAN, SHEDON, Research Assistant Professor in the Institute of Communications Research (College of Journalism and Communications), $\frac{1}{2}$ time, and of Psychology (College of Liberal Arts and Sciences), $\frac{1}{2}$ time, academic year beginning September 1, 1963, \$8,000 (10-3-63).
- FERBER, MRS. MARIANNE A., Lecturer in Economics, September 16, 1963-January 31, 1964, \$4,000 (9-26-63).
- FISCHER-WYBREGT, SUSANNE H., Research Associate in Pediatrics (Medicine), one year from September 1, 1963, \$6,640 (10-3-63).

- FISHERMAN, ELMER W., Clinical Associate in Medicine (Medicine), one year from September 1, 1963, without salary (9-25-63).
- FLEEGER, JAMES L., Research Associate in Dairy Science (S), one year from September 1, 1963, \$6,750 (9-4-63).
- FLEISCHER, WERNER R., Clinical Assistant Professor of Pathology (Medicine), $\frac{2}{3}$ time, eight months from October 1, 1963, \$600 a month (8-21-63).
- FLENNER, MRS. JACQUELINE W., Research Programmer in the Digital Computer Laboratory, September 16, 1963-August 31, 1964, \$8,500 a year (9-26-63).
- FORD, NEIL M., Research Associate in the Bureau of Economic and Business Research, one year from September 1, 1963, \$6,100 (10-1-63).
- FOWLER, WYMAN B., JR., Research Associate in Metallurgical Engineering (C), nine months from December 1, 1963, \$8,000 a year, supersedes (9-25-63).
- FRANKMANN, MRS. JUDITH P., Assistant Professor of Psychology, $\frac{1}{3}$ time, academic year beginning September 1, 1963, \$2,500 (9-20-63).
- GARRETT, BARRY B., Research Associate in Chemistry, one year from September 1, 1963, \$6,300 (9-19-63).
- GDALMAN, LOUIS, Clinical Instructor in Pharmacy (Pharmacy), September 3, 1963-August 31, 1964, without salary (9-20-63).
- GEORGE, T. V., Research Assistant in Electrical Engineering (C), one year from September 1, 1963, \$6,400, supersedes (9-3-63).
- GERARDO, JAMES, Research Associate in Electrical Engineering (S), one year from September 1, 1963, \$10,000 (9-26-63).
- GHOSH, BINAY KUMAR, Research Associate in Chemistry (Pharmacy), eleven months from October 1, 1963, \$6,500 a year (9-20-63).
- GILLFILLAN, RICHARD A., Assistant and Extension Marketing Specialist in Agricultural Economics (E), nine months from September 16, 1963, \$5,415 (9-4-63).
- GLISSENDORF, OWEN F., Assistant Editor, with rank of Assistant Professor (S), October 7, 1963-August 31, 1965, \$9,300 a year (9-26-63).
- GOLAND, PHILIP, Research Associate in Orthodontics (Dentistry), eleven months from October 1, 1963, \$10,000 a year, supersedes (10-3-63).
- GOLDMAN, ELAINE D., Assistant in Mathematics (Chicago Undergraduate Division), nine months from September 16, 1963, \$4,800 (9-4-63).
- GORE, MRS. PEARL M., Assistant Professor of Psychology, two years from September 1, 1963, to render service during each academic year, \$7,300 a year, supersedes (9-19-63).
- GRABER, MRS. DORIS A., Lecturer in Political Science (Chicago Undergraduate Division), $\frac{2}{3}$ time, nine months from September 16, 1963, \$1,900 (9-4-63).
- GRANIRER, EDMOND E., Instructor in Mathematics, academic year beginning September 1, 1963, \$7,000 (9-4-63).
- GRANT, E. RHODA, Research Associate in Pathology (Medicine), eleven months from October 1, 1963, \$8,500 a year, supersedes (9-27-63).
- GREENFIELD, GEORGE B., Clinical Instructor in Radiology (Medicine), 15/100 time, September 15, 1963-August 31, 1964, \$2,220 a year, supersedes (9-27-63).
- GREENLEE, MRS. NANCY A., Assistant in Education (University High School), nine months from September 16, 1963, \$5,300 (9-11-63).
- GRIMM, CLYDE L., JR., Assistant Professor of English, academic year beginning September 1, 1963, \$7,000 (9-19-63).
- GUEVARA, PEDRO A., JR., Instructor in Prosthodontics (Dentistry), one year from September 1, 1963, \$7,500 (9-27-63).
- GUNTHER, RICHARD I., Instructor in Fixed Partial Prosthodontics (Dentistry), $\frac{1}{2}$ time, one year from September 1, 1963, \$4,250, supersedes (9-27-63).
- GUPTA, OM PRAKASH, Assistant Professor of Radiology (Dentistry), October 1, 1963-August 31, 1965, \$10,500 a year (9-27-63).
- HAFELE, JOSEPH C., Assistant in Physics (C), $\frac{1}{2}$ time, September 16, 1963-January 31, 1964, \$1,150, and Research Assistant in Physics, $\frac{1}{2}$ time, one year from September 1, 1963, \$2,810, supersedes (9-4-63).
- HAIR, BENJAMIN M., Clinical Assistant Professor of Preventive Medicine (Medicine), one year from September 1, 1963, without salary (9-27-63).
- HALL, DARL M., Associate Professor, Leader of Extension Studies, Cooperative Extension (E), September 15, 1963-March 14, 1964, $\frac{1}{4}$ time, \$1,290 (9-26-63).
- HAMILTON, HERBERT, Research Assistant Professor of Sociology (College of Liberal Arts and Sciences), without salary, and in the Bureau of Community

- Planning, 55/100 time, and in the Institute of Communications Research, 45/100 time, academic year beginning September 1, 1963, \$7,200 (9-19-63).
- HAMLIN, ROY M., Professor of Psychology, 17/100 time, indefinite tenure from September 1, 1963, to render service during each academic year, \$2,100 (9-23-63).
- HANCOCK, ROGER N., Visiting Assistant Professor of Philosophy, nine months from September 16, 1963, \$7,600 (9-26-63).
- HANSON, MRS. DOLORES M., Assistant Editor in the Public Information Office, $\frac{3}{4}$ time, eleven months from October 1, 1963, \$4,500 a year, supersedes (10-2-63).
- HARBAUGH, TERENCE E., Research Assistant in Civil Engineering (C), nine months from September 16, 1963, \$6,000 (9-4-63).
- HEBING, CHARLES, Instructor in Operative Dentistry (Dentistry), $\frac{3}{5}$ time, one year from September 1, 1963, \$5,400, supersedes (9-20-63).
- HEFFINGTON, MARVIN D., Instructor in the Division of Intramural Activities (College of Physical Education), October 1, 1963-June 15, 1964, \$6,450 a year, supersedes (9-26-63).
- HEINZE, SHIRLEY J., Assistant Professor of Psychology, Department of Psychiatry and Department of Otolaryngology (Medicine), one year from September 1, 1963, \$9,500 (8-28-63).
- HENDRON, ALFRED J., JR., Assistant Professor of Civil Engineering (C), two years from September 1, 1963, to render service during each academic year, \$8,100 a year (9-27-63).
- HEWITSON, RICHARD E., Instructor in Chemistry (Pharmacy), $\frac{1}{2}$ time, academic year beginning September 1, 1963, \$3,000 (9-20-63).
- HINELY, MRS. JAN ANN L., Instructor in English, academic year beginning September 1, 1963, \$6,800 (9-4-63).
- HIRAI, KENJI, Research Assistant in Aeromedical Laboratory (Medical Center, Chicago) one year from September 1, 1963, \$5,700 (8-26-63).
- HOELSCHER, RANDOLPH P., Professor of General Engineering (C), 3/10 time, September 16, 1963-January 31, 1964, \$1,800 (9-26-63).
- HOLMES, ROBERT P., Instructor in Architecture, academic year beginning September 1, 1963, \$6,800 (9-4-63).
- HOOVER, MRS. JEANETTE J., Physician in the Health Service (Medical Center, Chicago), $\frac{4}{5}$ time, one year from September 1, 1963, \$8,800 (9-19-63).
- HOUCK, RUSSELL L., Assistant in Biology (Chicago Undergraduate Division), nine months from September 16, 1963, \$4,800 (9-4-63).
- HUDSON, MRS. JANETTE C., Assistant in German, September 16, 1963-January 31, 1964, \$2,100 (10-5-63).
- HUGGINS, RAYMOND W., Visiting Research Associate in Electrical Engineering (C), September 16, 1963-August 31, 1964, \$8,000 a year (9-20-63).
- HULTZEN, LEE S., Professor of Speech and Linguistics, indefinite tenure from September 1, 1963, to render service during each academic year, \$11,000 a year, supersedes (9-26-63).
- HUMPHREYS, ROBERT L., Assistant in Animal Science (S), November 6, 1963-August 31, 1964, \$4,670.83 (9-20-63).
- IRGENS, ROAR, Research Associate in Dairy Science (S), one year from September 1, 1963, \$6,800 (9-3-63).
- JAMES, JOSEPH A., Registered Pharmacist in Hospital Pharmacy (Research and Educational Hospitals) (Pharmacy), July 22, 1963-August 31, 1964, \$7,200 a year (8-31-63).
- JANES, ROBERT W., Associate Professor of Sociology, five months from October 1, 1963, \$858.33 a month, supersedes (9-19-63).
- JANUSZKO, DANUTA, Clinical Instructor in Physical Medicine and Rehabilitation (Medicine), eleven months from October 1, 1963, without salary (10-2-63).
- JONES, ROBERT E., Lecturer in Psychology, with rank of Associate Professor, $\frac{1}{3}$ time, September 16, 1963-January 31, 1964, \$1,650 (9-26-63).
- JORDAN, LAURA J., Assistant Professor of Special Education (Institute for Research on Exceptional Children), one year from September 1, 1963, \$9,600 (9-4-63).
- JORDAN, MRS. LOUISE C., Research Assistant in Microbiology, August 16, 1963-August 31, 1964, \$5,364.63 (9-5-63).
- KAHN, WALTER J., Instructor in Ophthalmology (Medicine), $\frac{4}{5}$ time, one year from September 1, 1963, \$6,720 (9-20-63).

- KAISER, HENRY F., Professor of Educational Psychology (College of Education), indefinite tenure from September 1, 1963, \$16,000 a year; and Professor of Psychology (College of Liberal Arts and Sciences), without salary (9-26-63).
- KATZ, EVELYN W., Research Assistant Professor of Psychology (College of Liberal Arts and Sciences), and in the Institute of Communications Research (College of Journalism and Communications), $\frac{1}{2}$ time, academic year beginning September 1, 1963, \$4,000 (9-20-63).
- KELLERHOUSE, LELAND E., JR., Research Assistant in Medicine (Medicine), one year from July 1, 1963, without salary (9-23-63).
- KELLOGG, MRS. ISABEL M., Assistant Professor of Occupational Therapy (Medicine), $\frac{3}{4}$ time, September 1-October 10, 1963, \$531.25 a month, supersedes (8-26-63).
- KEPLER, MRS. NANCY O., Assistant in Home Economics (S), one year from September 1, 1963, \$5,900 (9-11-63).
- KERANEN, DOLORES, Instructor in the Humanities (Chicago Undergraduate Division), academic year beginning September 1, 1963, \$5,200 (10-3-63).
- KIM, SERENA, Project Assistant in the State Natural History Survey and in the Graduate College, four months from September 1, 1963, \$900 (9-3-63).
- KLAPMAN, HOWARD J., Instructor in Psychiatry (Medicine), one year from September 1, 1963, without salary (10-2-63).
- KLEHR, HAROLD, Associate Professor of Psychology, indefinite tenure, and director of Student Counseling Service, one year (Chicago Undergraduate Division), from September 1, 1963, \$13,700 a year, supersedes (8-26-63).
- KOLB, MRS. DOROTHY, Assistant in German, September 16, 1963-January 31, 1964, \$2,500 (10-2-63).
- KOTLER, NANCY K., Instructor in English (Chicago Undergraduate Division), $\frac{1}{2}$ time, to render service during the first semester of the academic year, September 1, 1963-January 31, 1964, \$1,300 (9-4-63).
- KOTT, NANCY, Project Assistant in the State Natural History Survey and in the Graduate College, September 16, 1963-December 31, 1963, \$1,137.50 (9-20-63).
- KREHBIEL, ROBERT H., Professor of Anatomy at the Faculty of Medicine, Chiangmai Hospital, Chiangmai, Thailand, under Contract AID/fe-2, for the day August 1, 1963, and resuming service August 19, 1963, continuing through August 31, 1963, \$16,195 a year, and for the period September 1, 1963, through August 17, 1965, \$16,989 a year; and Professor of Anatomy (Medicine), indefinite tenure from September 1, 1965 for the academic year (9-5-63).
- KUMARICH, DAN, Instructor in Operative Dentistry (Dentistry), $\frac{4}{5}$ time, one year from September 1, 1963, \$6,400, supersedes (9-27-63).
- KYSAR, JOHN E., Director of Health Service and Assistant Professor of Hygiene (Chicago Undergraduate Division), 7/10 time, one year from September 1, 1963, \$13,500, supersedes (9-4-63).
- LABANOWICH, STANLEY, Supervisor of Recreation and Athletics, with rank of Instructor, Division of Rehabilitation-Education Service (College of Physical Education), one year from September 1, 1963, \$7,250 (9-26-63).
- LAITINEN, HERBERT A., Professor of Analytical Chemistry, and Associate Head of the Department of Chemistry and Chemical Engineering, indefinite tenure from September 1, 1963, to render service during each academic year, \$20,300 a year, supersedes (9-24-63).
- LAND, VERA F. C., Assistant in Foreign Languages (Chicago Undergraduate Division), nine months from September 16, 1963, \$4,800 (10-3-63).
- LEE, MRS. LEAH S., Research Assistant in Law, six months from September 1, 1963, \$3,450, and Research Assistant in the Graduate College, six months from March 1, 1964, \$3,450 (9-17-63).
- LEE, M. RAYMOND, Assistant Professor of Biological Science (Division of General Studies) $\frac{2}{3}$ time, and Zoology, $\frac{1}{3}$ time, two years from September 1, 1963, to render service during each academic year, \$8,200 a year, supersedes (9-3-63).
- LENER, BARBARA A., Instructor in Psychology, Department of Psychiatry (Medicine), eleven months from October 1, 1963, \$7,000 a year (9-19-63).
- LENER, LEON, Research Assistant in Biological Chemistry (Medicine), September 16, 1963-August 31, 1964, \$5,150 a year (10-3-63).
- LIVERMAN, ROBERT D., Instructor in Physical Education for Men, $\frac{1}{2}$ time, one year from September 1, 1963, \$3,400 (9-12-63).

- LOESER, CORNELIUS J., Instructor in Geography (Chicago Undergraduate Division), academic year beginning September 1, 1963, \$6,750 (9-4-63).
- LOFTISS, EUGENE W., Research Assistant in Speech and Theatre, nine months from September 1, 1963, \$4,844.45 (9-27-63).
- LUKENS, SHIRLEY A., Instructor in Occupational Therapy (Medicine), one year from September 1, 1963, \$7,000 (9-4-63).
- MAGELL, JACK, Instructor in Surgery (Medicine), $\frac{1}{2}$ time, August 29, 1963-February 29, 1964, \$2,000 (9-20-63).
- MAGLIONE, FRANK D., JR., Supervisor of Counseling, with rank of Instructor, Division of Rehabilitation-Education Services (College of Physical Education), one year from September 1, 1963, \$7,000 (9-26-63).
- MAHAFFEY, MRS. ANNA K., Instructor in Business Education (College of Commerce and Business Administration), academic year beginning September 1, 1963, \$5,200, supersedes (9-26-63).
- MANN, LINDSAY A., Research Assistant in English (Graduate College), September 16, 1963-January 31, 1964, and Assistant in English (College of Liberal Arts and Sciences), February 1-June 15, 1964, \$4,600 (10-2-63).
- MASON, JAMES H., Instructor in Surgery (Medicine), $\frac{1}{2}$ time, one year from September 1, 1963, \$4,900, supersedes (9-4-63).
- MATTHEWS, MRS. DOROTHY E., Instructor in English, academic year beginning September 1, 1963, \$6,800 (9-26-63).
- MATTHIAS, WILLIAM, JR., Extension Specialist in the Division of University Extension, one year from September 1, 1963, \$8,500 (9-3-63).
- MCDONALD, OWEN G., Clinical Assistant Professor of Surgery (Medicine), $\frac{1}{4}$ time, one year from September 1, 1963, \$2,400 (9-4-63).
- MCGURK, FLORENCE F., Research Assistant in the State Water Survey and in the Graduate College, September 16, 1963-June 30, 1964, \$5,500 a year (9-11-63).
- MCQUEEN, R. DAVID, Instructor in Veterinary Physiology and Pharmacology (College of Veterinary Medicine) and in Veterinary Research (Agricultural Experiment Station), one year from September 1, 1963, \$10,500 (9-27-63).
- METROPOLE, MRS. SONIA, Instructor in Theoretical and Applied Mechanics (C), $\frac{2}{3}$ time, academic year beginning September 1, 1963, \$3,733.34, supersedes (9-23-63).
- MEYER, EWY, Research Associate in Ophthalmology (Medicine), $\frac{1}{2}$ time, one year from September 1, 1963, \$4,200 (9-27-63).
- MILLER, ARNOLD L., Assistant Professor of Psychology, $\frac{1}{3}$ time, academic year beginning September 1, 1963, \$2,900 (9-26-63).
- MIRZA, MAHMOOD BEG, Instructor in Mining Engineering (C), $\frac{1}{2}$ time, academic year beginning September 1, 1963, \$3,400 (10-3-63).
- MIYASATO, FUJIIHIKO, Research Assistant in Medicine (Medicine), one year from July 1, 1963, without salary (9-3-63).
- MOFFAT, JEAN E., Research Assistant in Medicine (Medicine), one year from September 1, 1963, \$6,000 (9-4-63).
- MOREL, JOHN L., Administrative Intern in the President's Office, $\frac{1}{4}$ time, one year from September 1, 1963, \$1,500 (10-7-63).
- MORGAN, LEZLIE A., Research Assistant in the Coordinated Science Laboratory (C), one year from September 1, 1963, \$5,540 (9-5-63).
- MORSHED, H., Research Assistant in Electrical Engineering (C), one year from September 1, 1963, \$5,300 (9-20-63).
- MOTTO, HARRY L., Research Associate in Soil Chemistry (Agronomy) (S), one year from September 1, 1963, \$7,500 (9-4-63).
- MOWAT, BRUCE, Instructor in Operative Dentistry (Dentistry), $\frac{2}{3}$ time, academic year beginning September 1, 1963, \$2,620, supersedes (9-27-63).
- MROTEK, SHARON F., Assistant in Speech (Chicago Undergraduate Division), nine months from September 16, 1963, \$4,400 (9-4-63).
- NAGATA, TETSUJI, Research Associate in Physiology and Biophysics, eleven months from October 1, 1963, \$6,100 a year, supersedes (9-27-63).
- NAIMAN, MRS. SANDRA M., Instructor in English (Chicago Undergraduate Division), to render service during the first semester of the academic year, September 1, 1963-January 31, 1964, \$2,700 (9-4-63).
- NIETO-RAMIREZ, JOSE A., Research Associate in Civil Engineering (C), September 16, 1963-January 31, 1964, \$3,500 (9-3-63).

- NILSSON, ANNA, Research Associate in Animal Science (S), one year from September 1, 1963, \$6,500 (9-20-63).
- NONA, DANIEL A., Instructor in Pharmacy (Pharmacy), $\frac{1}{2}$ time, academic year beginning September 1, 1963, \$2,500 (9-20-63).
- NORTHCOTE, R. S., Visiting Research Associate in the Digital Computer Laboratory, one year from January 13, 1964, \$7,945 (9-5-63).
- OATES, GEOFFREY D., Clinical Instructor in Surgery (Medicine), $\frac{2}{3}$ time, August 30, 1963-August 31, 1964, \$3,000 (9-20-63).
- O'CONNOR, JOHN T., Assistant Professor of Sanitary Engineering (Civil Engineering) (C), academic year beginning September 1, 1963, \$8,500 (9-3-63).
- OFFER, DWIGHT F., Instructor in the Institute of Aviation, one year from September 1, 1963, \$8,000 (9-4-63).
- OMORI, DOROTHY K., Instructor in Occupational Therapy (Medicine), four months from September 1, 1963, \$6,700 a year (9-4-63).
- ORAN, CENAP, Assistant Professor of Civil Engineering (C and S), second semester of the academic year 1963-64, \$3,900 for the period (9-25-63).
- ORE, DONALD E., Instructor in Dentistry (Dentistry), $\frac{3}{4}$ time, one year from September 1, 1963, \$4,800, supersedes (9-27-63).
- PAGE, BENJAMIN F., Instructor in the Graduate School of Library Science, $\frac{1}{2}$ time, academic year beginning September 1, 1963, \$3,000 (7-12-63).
- PALCIAUSKAS, RAYMOND, Instructor in Engineering (Chicago Undergraduate Division), academic year beginning September 1, 1963, \$8,500 (9-4-63).
- PALMER, REX A., Research Associate in Chemistry, one month from September 1, 1963, \$558.33 (9-20-63).
- PARNAS, MRS. HANNA G., Research Assistant in Microbiology, August 16, 1963-August 31, 1964, \$5,625 (9-5-63).
- PATTERSON, LANE E., Field Assistant in the State Natural History Survey and in the Graduate College, September 1-15, 1963, \$300 a month (9-13-63).
- PATTERSON, VIRGINIA N., Assistant Professor of Radiology (Medicine) and Assistant Radiologist in the Research and Educational Hospitals, October 1, 1963-August 31, 1965, \$15,660 a year, supersedes (9-20-63).
- PATTISON, JEFFREY, Research Associate in Chemistry, one year from September 1, 1963, \$6,500 (10-2-63).
- PATTISON, VALERIE, Research Assistant in Botany, one year from September 1, 1963, \$5,150 (9-17-63).
- PEDERSOLI, WALDIR M., Instructor in Veterinary Physiology and Pharmacology (College of Veterinary Medicine), $\frac{2}{3}$ time, one year from September 1, 1963, \$4,850 (9-20-63).
- PHELAN, J. F., Research Associate in Electrical Engineering (C), one year from September 1, 1963, \$9,000 (9-20-63).
- PIKE, JOHN R., Assistant Professor of Finance, academic year beginning September 1, 1963, \$8,000, supersedes (9-26-63).
- PRICE, RUPERT M., Associate Professor of Physics, indefinite tenure, and Associate Dean of Engineering, one year, from September 1, 1963 (Chicago Undergraduate Division), \$16,200 a year, supersedes (9-4-63).
- RACSTER, RONALD L., Assistant in Finance, full time, September 16, 1963-January 31, 1964, and $\frac{1}{2}$ time, February 1-June 15, 1964, \$3,150, supersedes (10-2-63).
- RAFFELD, WILLIAM F., Instructor in Speech (Chicago Undergraduate Division), $\frac{3}{4}$ time, academic year beginning September 1, 1963, \$3,120 (9-4-63).
- RAHN, STANLEY W., Assistant Director of Housing and Coordinator of Residential Services (Physical Plant and Dean of Students Office), one year from September 1, 1963, \$12,000; for the convenience of the University he will also receive one meal a day; supersedes (9-4-63).
- REID, H. GORDON, Associate Professor of Hygiene, Health Service (Chicago Undergraduate Division), indefinite tenure from September 1, 1963, \$15,400 a year, supersedes (9-4-63).
- RHIE, YOUNG H., Instructor in Mathematics (Chicago Undergraduate Division), academic year beginning September 1, 1963, \$5,400 (9-4-63).
- RICHARDSON, GEORGE, Research Assistant in Physical Medicine and Rehabilitation (Medicine), August 15, 1963-August 31, 1964, \$5,200 a year (8-26-63).
- ROBERTSON, GILES B., Head of Public Services Division in the Library with rank of Associate Professor (Chicago Undergraduate Division), indefinite tenure from September 1, 1963, \$10,400 a year, supersedes (9-27-63).

- ROBINSON, STANLEY C., Professor of Business Administration, on indefinite tenure, without salary, and Dean of Division of University Extension, from October 1, 1963, and continuing through August 31, 1965, \$18,000 a year, supersedes (9-27-63).
- RODRIGUEZ, EDUARDO, Assistant in Veterinary Pathology and Hygiene (College of Veterinary Medicine), one year from September 1, 1963, \$5,500, supersedes (9-11-63).
- ROOSA, WILLIAM B., Instructor in Anthropology (Chicago Undergraduate Division), academic year beginning September 1, 1963, \$6,400 (9-27-63).
- RUBINSTEIN, DANIEL, Assistant in Botany, nine months from September 16, 1963, \$4,200 (9-19-63).
- SABEL, CHARLES L., Instructor in Psychology (Chicago Undergraduate Division), 83/100 time, academic year beginning September 1, 1963, \$4,750 (9-4-63).
- SANZONE, GEORGE J., Research Engineer in Chemistry (Mass Spectrometer), $\frac{2}{3}$ time, academic year beginning September 1, 1963, \$6,500 (9-3-63).
- SCHACHT, MRS. SYLVIA N., Assistant in English, September 16, 1963-January 31, 1964, \$2,100 (10-2-63).
- SCHILLER, JONATHAN W., Coordinator of Music Communications (School of Music), one year from September 1, 1963, \$8,500 (9-3-63).
- SCHMIDT, PAUL J., Instructor in Ophthalmology (Medicine), $\frac{1}{2}$ time, one year from September 1, 1963, \$4,300 (9-4-63).
- SCHUYLER, NOAH R., Visiting Lecturer in Economics (Chicago Undergraduate Division), $\frac{1}{2}$ time, September 1, 1963-February 29, 1964, to render service during the first semester of the academic year, \$2,000 (9-4-63).
- SEILHEIMER, RICHARD A., Assistant in Industrial Engineering (C), September 16, 1963-January 31, 1964, \$3,100 (9-25-63).
- SETH, SHANTI K., Research Associate in Microbiology, ten months from November 1, 1963, \$7,000 a year, supersedes (9-26-63).
- SHAPIRO, BRENDA, Instructor in Clinical Speech, Department of Otolaryngology (Medicine), eleven months from October 1, 1963, \$7,000 a year (10-3-63).
- SHERMAN, MICHAEL A., Instructor in Physical Education for Men, academic year beginning September 1, 1963, \$5,550, supersedes (9-12-63).
- SHUBERT, HARRY A., Instructor in Electrical Engineering (C), academic year beginning September 1, 1963, \$5,500, supersedes (9-4-63).
- SHULMAN, HAROLD S., Assistant Professor of Psychology, $\frac{1}{2}$ time, academic year beginning September 1, 1963, \$4,950 (9-20-63).
- SIBINOVIC, MRS. SARAH K. H., Research Associate in Center for Zoonoses Research, $\frac{2}{3}$ time, one year from September 1, 1963, \$5,100 (9-4-63).
- SIMON, ELLEN M., Research Associate in Zoology, $\frac{1}{2}$ time, one year from September 1, 1963, \$4,000 (9-26-63).
- SIMPSON, MRS. ALICE A., Assistant in the Center for Zoonoses Research, one year from September 1, 1963, \$5,160 (9-12-63).
- SINGAL, MAHENDAR K., Visiting Assistant Professor of Mathematics, academic year beginning September 1, 1963, \$7,500, supersedes (10-2-63).
- SKARTVEDT, ROMAYNE, Assistant in the Graduate School of Business Administration (College of Commerce and Business Administration), one year from September 1, 1963, \$6,000 (9-4-63).
- SLOAN, RICHARD H., Assistant in Physical Education for Men, nine months from September 16, 1963, \$5,200 (9-12-63).
- SLONIGER, CARL R., Assistant in Physical Education for Men, nine months from September 16, 1963, \$5,700, supersedes (9-12-63).
- SMITH, MRS. ANITA C., Associate Editor in the Graduate School of Library Science, $\frac{1}{2}$ time, September 16, 1963-January 31, 1964, \$1,675 (9-25-63).
- SMITH, GARMOND S., Assistant Professor of Animal Science (C and S), $\frac{1}{2}$ time, two years from September 1, 1963, \$4,600 a year (9-7-63).
- SMITH, MRS. MARGARET A., Research Assistant in the Coordinated Science Laboratory (C), one year from September 1, 1963, \$5,600 (10-3-63).
- SPAETH, VIRGINIA A., Assistant in Biology (Chicago Undergraduate Division), nine months from September 16, 1963, \$4,800 (9-4-63).
- STEIN, HERBERT J., Research Associate in the Coordinated Science Laboratory, $\frac{1}{2}$ time, and Instructor in Electrical Engineering, $\frac{1}{2}$ time (C), academic year beginning September 1, 1963, \$5,750, supersedes (9-20-63).

- STITZEL, ROBERT D., Instructor in Dentistry (Dentistry), $\frac{1}{2}$ time, academic year beginning September 1, 1963, \$1,310 (9-27-63).
- STOLL, GAIL M., Registered Pharmacist in Hospital Pharmacy (Pharmacy), September 3, 1963-August 31, 1964, \$7,000 a year (10-3-63).
- SUGIURA, MASAHIRO, Research Associate in Botany, one year from September 1, 1963, \$6,100 (9-19-63).
- SULLIVAN, EDWARD E., Assistant in English, nine months from September 16, 1963, \$4,200, supersedes (9-19-63).
- SUSSMAN, HANS G., Research Associate in Oral Pathology (Dentistry), one year from September 1, 1963, \$8,000, supersedes (9-27-63).
- TAKAYAMA, TAKASHI, Research Associate in Agricultural Economics (S), one year from September 1, 1963, \$10,800 (9-25-63).
- TALBOT, JOSEPH E., JR., Instructor in Hygiene and Medical Adviser to Men (Chicago Undergraduate Division), $\frac{3}{5}$ time, one year from September 1, 1963, \$7,600 (9-5-63).
- TATSUOKA, MAURICE, Associate Professor of Educational Psychology (College of Education), $\frac{1}{2}$ time, and in the University High School, $\frac{4}{5}$ time, one year from September 1, 1963, \$11,850, supersedes (9-4-63).
- TAYLOR, DONALD P., Assistant Professor of Nematology (Plant Pathology) (C and S), two years from September 1, 1963, \$10,000 a year, supersedes (9-4-63).
- TOMASCHKE, HARRY E., Research Associate in the Coordinated Science Laboratory (C), one year from September 1, 1963, \$7,400, supersedes (10-1-63).
- TORRES, CESAR, Research Assistant in Medicine (Medicine), seven months from September 1, 1963, without salary (10-3-63).
- TRAHERN, JOSEPH B., JR., Assistant Professor of English, two years from September 1, 1963, to render service during each academic year, \$7,300 a year, supersedes (9-26-63).
- TROUSIL, ELAINE B., Research Assistant in Microbiology, eleven months from October 1, 1963, \$4,766.63 (9-20-63).
- TRUDGILL, PETER W., Research Associate in Chemistry, eleven months from October 1, 1963, \$6,500 a year, supersedes (9-26-63).
- UZGIRIS, INA C., Research Associate in Psychology, one year from September 1, 1963, \$6,100 (9-20-63).
- VENEZKY, DIANE A., Research Assistant in Psychiatry (Medicine), one year from September 1, 1963, \$5,160 (8-26-63).
- VERMEULEN, MRS. MARY E., Research Assistant in Microbiology, four months from October 1, 1963, \$1,733.32 (10-5-63).
- VERSEN, WALTER G., Assistant Professor of Physical Education for Men (Chicago Undergraduate Division), two years, and Assistant Director of the Division of Physical Education and Assistant Director of Athletics, one year, from September 1, 1963, to render service during each academic year, \$8,400, and \$1,000 for over-time from the Athletic Association for services to it, supersedes (9-7-63).
- VERSLUIS, DONALD G., Assistant (Flight) in the Institute of Aviation, September 16, 1963-January 31, 1964, \$2,100 (9-5-63).
- VISSION, RICHARD S., Assistant in English (Chicago Undergraduate Division), September 16, 1963-January 31, 1964, \$2,400 (9-4-63).
- WALKER, WILLIAM H., Assistant Professor of Civil Engineering (C and S), two years from September 1, 1963, to render service during each academic year, \$8,000 a year, supersedes (10-2-63).
- WALLER, ROBERT A., Assistant Professor of History (College of Liberal Arts and Sciences), $\frac{1}{2}$ time, and Counselor in Teacher Training Counseling (College of Education), $\frac{2}{3}$ time, two years from September 1, 1963, to render service during each academic year, \$7,500 a year, supersedes (9-26-63).
- WALRAVEN, H. DALE, Professor of General Engineering, indefinite tenure, and Assistant to the Dean of the Chicago Undergraduate Division, one year, from September 1, 1963, \$13,000 a year, supersedes (9-4-63).
- WANG, SHU YUNG, Clinical Associate Professor of Oral Pathology (Dentistry), one year from September 1, 1963, without salary (9-27-63).
- WARREN, MRS. IRVINA P., Research Associate in Medical Social Work (Medicine), $\frac{1}{2}$ time, one year from September 1, 1963, \$4,200 (9-27-63).

- WATERMAN, JACK E., Executive Officer and Associate Professor of Naval Science, August 1, 1963-August 31, 1965, \$600 a year (9-26-63).
- WATTS, MRS. EMILY S., Instructor in English, $\frac{2}{3}$ time, academic year beginning September 1, 1963, \$4,550 (9-26-63).
- WEICHSEL, PAUL M., Assistant Professor of Mathematics, two years from September 1, 1963, to render service during each academic year, \$9,500 a year (9-26-63).
- WEIRAUCH, DONALD F., Research Assistant in Ceramic Engineering (C), $\frac{1}{2}$ time, September 16, 1963-June 15, 1964, \$2,250, and full time, June 16-August 31, 1964, \$1,250 (8-31-63).
- WEISSMAN, IRVING, Consultant in Radiology (Health Service), $\frac{1}{4}$ time, two years from September 1, 1963, \$5,400 a year (10-2-63).
- WERCH, MRS. AGNES S., Instructor in Medical Social Work (Medicine), eleven months from October 1, 1963, \$8,250 a year (10-3-63).
- WIEDENMAYER, FELIX, Research Assistant in Geology, eleven months from October 1, 1963, \$4,720.87 (9-27-63).
- WIGGINS, MRS. NANCY A., Instructor in Psychology, $\frac{1}{3}$ time, academic year beginning September 1, 1963, \$2,000 (9-19-63).
- WILLIS, MRS. JUDITH, Instructor in the School of Life Sciences, academic year beginning September 1, 1963, \$6,500 (9-20-63).
- WOOD, JEAN M., Instructor in Nursing, to render service during the academic year, 1963-64, beginning October 7, 1963, \$7,000 a year (9-27-63).
- WOODARD, MRS. MARGARETHA W., Visiting Lecturer in Biology (Chicago Undergraduate Division), academic year beginning September 1, 1963, \$6,750 (9-4-63).
- WRIGHT, ROBERT L., Instructor in Architecture, academic year beginning September 1, 1963, \$6,800 (9-20-63).
- YAMAMOTO, TOSHIO, Research Assistant in the State Natural History Survey and in the Graduate College, $\frac{1}{2}$ time, nine months from September 1, 1963, \$1,980, and full time, three months from June 1, 1964, \$1,320 (9-27-63).
- YOUNG, MRS. BILOINE W., Instructor in Televised Instruction, Elementary Education, and in the Office of Instructional Television (College of Education, and Executive Vice-President and Provost's Office), academic year beginning September 1, 1963, \$6,000 (9-27-63).
- YU, KYUNG HI, Research Assistant in Food Science (S), one year from September 1, 1963, \$5,200 (9-27-63).

FELLOWS

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

- ADAM, WILLIAM S., United States Public Health Service Fellow (Trainee) in Anatomy, ten months from September 1, 1963, \$2,600 (9-20-63).
- ANDERSON, PHILIP A., Lilly Endowment Postdoctoral Fellow in Psychology, nine months from September 16, 1963, \$5,000 (9-16-63).
- ANKER, JANE A., National Institute of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1963, \$1,800 (8-13-63).
- ATKINS, GLADYS, United States Public Health Service Fellow in Physiology, six months from September 21, 1963, \$1,100 (9-27-63).
- BALDWIN, JON M., National Science Foundation Graduate Fellow in Chemistry, one year from September 1, 1963, \$2,000 (6-11-63).
- BARRETT, IRENE M., United States Public Health Service Fellow (Trainee) in Nursing (Psychiatric), nine months from September 16, 1963, \$2,400 (9-12-63).
- BEEBY, GARY J., Office of Vocational Rehabilitation Fellow (Trainee) in Speech, one year from September 1, 1963, \$2,400 (8-26-63).
- BERNSTEIN, JERROLD, United States Public Health Service Fellow (Trainee) in Physiology, nine months from October 1, 1963, \$2,999.97 (9-18-63).
- BINNS, WILLIAM H., JR., United States Public Health Service Fellow (Trainee) in Dentistry, September 16, 1963-June 30, 1964, \$5,541.63 (9-12-63).
- BROWNING, EDWARD T., United States Public Health Service Fellow (Trainee) in Pharmacology, ten months from September 1, 1963, \$2,000 (8-13-63).
- CHARRON, RODNEY E., Office of Vocational Rehabilitation Fellow (Trainee) in Speech, one year from September 1, 1963, \$2,400 (8-26-63).

- CONWAY, ANNA M., United States Public Health Service Fellow (Trainee) in Anatomy, ten months from September 1, 1963, \$200 (9-24-63).
- COPELAND, LEE I., United States Public Health Service Fellow (Trainee) in Oral Pathology, ten months from September 1, 1963, \$4,166.67 (8-12-63).
- DAVIS, LORIN R., Engineering Faculty Development Teaching Fellow in Mechanical and Industrial Engineering, nine months from September 16, 1963, \$1,500 (9-16-63).
- DAVIS, MRS. LUCILLE, United States Public Health Service Fellow (Trainee) in Nursing (Psychiatric), nine months from September 16, 1963, \$2,400 (9-12-63).
- DE LARCO, JOSEPH E. P., United States Public Health Service Fellow (Trainee) in Pharmacology, ten months from September 1, 1963, \$2,833 (9-17-63).
- DESA, RICHARD J., United States Public Health Service Predoctoral Fellow in Chemistry, one year from August 16, 1963, \$3,700 (8-22-63).
- DEVINE, RICHARD A., Inland Steel-Ryerson Foundation Fellow in Architecture, September 16, 1963-January 31, 1964, \$1,500 (9-6-63).
- DIAB, IHSAN M., United States Public Health Service Fellow (Trainee) in Pharmacology, ten months from September 1, 1963, \$2,667 (8-13-63).
- DYSON, ROBERT D., United States Public Health Service Predoctoral Fellow in Chemistry, one year from September 1, 1963, \$2,500 (9-17-63).
- FEIERTAG, ROBERT H., United States Public Health Service Predoctoral Fellow in Chemistry, one year from September 16, 1963, \$2,000 (9-17-63).
- FELDMAN, JAY M., United States Public Health Service Fellow (Trainee) in Psychiatry, nine months from September 16, 1963, \$600 (9-24-63).
- FIEDLER, FRED E., Postdoctoral Fellow in Psychology, nine months from September 1, 1963, \$12,050 (8-26-63).
- FLYNN, MARILYN L. J., National Institute of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1963, \$2,000 (8-13-63).
- FOGEL, SAMUEL, United States Public Health Service Fellow (Trainee) in Microbiology, ten months from September 1, 1963, \$2,230 (9-30-63).
- FRIEDLAND, JOAN M., United States Public Health Service Fellow (Trainee) in Biophysics, one year from September 16, 1963, \$2,666 (8-16-63).
- GENTLEMEN, SUSAN B., United States Public Health Service Fellow (Trainee) in Physiology, one year from September 1, 1963, \$2,666 (8-27-63).
- GHOSH, ASHISH K., Kettering Foundation Postdoctoral Fellow in Botany, one year from September 1, 1963, \$6,000 (9-11-63).
- GIACOMONI, DARIO, United States Public Health Service Fellow (Trainee) in Microbiology, one year from September 1, 1963, \$2,820 (8-16-63).
- GRACE, MRS. HELEN M., United States Public Health Service Fellow (Trainee) in Nursing (Psychiatric), nine months from September 16, 1963, \$2,400 (9-12-63).
- GRELAK, ROBERT P., United States Public Health Service Fellow (Trainee) in Pharmacology, ten months from September 1, 1963, \$1,832.50 (8-13-63).
- GRESICK, EDWARD W., United States Public Health Service Fellow (Trainee) in Anatomy, one-tenth time, ten months from September 1, 1963, \$200 (9-24-63).
- GRUEN, WAYNE T., Automotive Safety Foundation Teaching Fellow in Civil Engineering, September 16, 1963-January 31, 1964, \$750 (9-19-63).
- HALEY, JOHN V., Postdoctoral Fellow in Psychology, nine months from September 16, 1963, \$6,000 (10-1-63).
- HANNULA, THOMAS A., National Aeronautics and Space Administration Fellow in Mathematics, one year from September 1, 1963, \$3,000, supersedes (9-12-63).
- HOFFMAN, ROBERT A., Jones and Laughlin Steel Corporation Fellow in Metallurgy, nine months from September 16, 1963, \$2,400 (8-15-63).
- HOFMANN, LORENZ, United States Public Health Service Fellow (Trainee) in Pharmacology, ten months from September 1, 1963, \$2,583.30 (8-13-63).
- HOLTZAPPEL, JAY, Fellow in Music, nine months from September 16, 1963, \$1,500; and two months from June 16, 1964, \$375 (8-27-63).
- HOLSER, CHARLES F., United States Public Health Service Predoctoral Fellow in Chemistry, one year from September 1, 1963, \$3,000 (9-17-63).
- HUDSON, VALERIE F., Office of Vocational Rehabilitation Fellow (Trainee) in Speech, one year from September 1, 1963, \$2,400 (8-27-63).
- JEN, LINDA C., United States Public Health Service Fellow (Trainee) in Chemistry, nine months from September 16, 1963, \$2,100 (7-3-63).

- JOHNSON, JUDITH A., National Institute of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1963, \$2,000 (8-13-63).
- JOHNSON, NORMA J., United States Public Health Service Predoctoral Fellow in Zoology, one year from September 16, 1963, \$2,000 (9-17-63).
- KAPPE, HOLLY, Office of Vocational Rehabilitation Fellow (Trainee) in Speech, one year from September 1, 1963, \$2,400 (8-26-63).
- KAUFFMAN, FREDERICK C., United States Public Health Service Fellow (Trainee) in Pharmacology, ten months from September 1, 1963, \$2,416.66 (8-13-63).
- KLINE, DALE R., Lilly Endowment Postdoctoral Fellow in Psychology, nine months from September 16, 1963, \$5,000 (9-13-63).
- KOPP, JAMES V., United States Public Health Service Predoctoral Fellow in Microbiology, one year from September 16, 1963, \$2,000 (9-17-63).
- KUENZI, NORBERT J., National Science Foundation Mathematics Institute Fellow in Mathematics, nine months from September 16, 1963, \$1,882.50 (9-30-63).
- KUPPERMAN, PHYLLIS P., Office of Vocational Rehabilitation Fellow (Trainee) in Speech, ten months from September 1, 1963, \$2,400 (8-26-63).
- LANDY, ARTHUR H., United States Public Health Service Fellow (Trainee) in Microbiology, one year from September 1, 1963, \$2,820 (8-16-63).
- LINE, WILLIAM F., United States Public Health Service Fellow (Trainee) in Biological Chemistry, September 16, 1963-June 30, 1964, \$1,820.77 (9-12-63).
- LOSEE, DAVID L., National Aeronautics and Space Administration Fellow in Physics, one year from September 1, 1963, \$3,000 superseded (9-12-63).
- LOWENSTEIN, JOHN H., National Science Foundation Graduate Fellow in Physics, nine months from September 16, 1963, \$1,500 (6-18-63).
- MANGEL, WALTER F., United States Public Health Service Fellow (Trainee) in Physiology, one year from September 1, 1963, \$2,666 (8-16-63).
- MANN, WILLIAM S., United States Public Health Service Fellow (Trainee) in Pharmacology, ten months from September 1, 1963, \$2,250 (8-13-63).
- MARKS, COLLEEN J., Office of Vocational Rehabilitation Fellow (Trainee) in Speech, one year from September 1, 1963, \$2,400 (8-26-63).
- MATHER, LAUREN R., National Science Foundation Graduate Fellow in Physics, nine months from September 16, 1963, \$1,350 (9-18-63).
- MCLAIN, LARRY G., United States Public Health Service Fellow (Trainee) in Psychiatry, three months from June 16, 1963, \$600 (7-12-63).
- MELBERG, FREDERICK T., JR., David Kinley Fellow in Business Administration, nine months from September 16, 1963, \$1,500 (9-19-63).
- MERTZ, JOHN C., United States Public Health Service Predoctoral Fellow in Zoology, one year from September 16, 1963, \$2,000 (9-17-63).
- MIZUNO, YOSHIHIRO, Keio-Illinois Exchange Fellow in Labor and Industrial Relations, nine months from September 16, 1963, \$1,500, and two months from June 16, 1964, \$375 (8-27-63).
- MORRIS, DAVID R., United States Public Health Service Predoctoral Fellow in Chemistry, one year from August 16, 1963, \$2,700 (8-30-63).
- MUNDAY, JOHN C., United States Public Health Service Fellow (Trainee) in Biophysics, one year from September 16, 1963, \$2,666 (8-16-63).
- NORTON, ROBERT H., United States Public Health Service Fellow (Trainee) in Biological Chemistry, September 23, 1963-June 30, 1964, \$1,772 (9-12-63).
- OLSEN, RICHARD K., United States Public Health Service Predoctoral Fellow in Chemistry, one year from September 16, 1963, \$4,700 (9-17-63).
- OSMANSKI, C. PAUL, United States Public Health Service Postdoctoral Fellow (Special) in Pathology, one year from July 1, 1963, without salary (9-18-63).
- OTERHOLM, ANDERS, United States Public Health Service Fellow (Trainee) in Food Science, one year from September 1, 1963, \$2,800 (7-29-63).
- OTIENO, OLERO S., United States Public Health Service Fellow (Trainee) in Physiology, September 15, 1963-June 30, 1964, \$1,741.64 (9-25-63).
- OVERBY, LACY R., Postdoctoral Fellow (Trainee) in Microbiology, one-fourth time, August 1, 1963-February 29, 1964, \$1,400 (8-27-63).
- PARDINI, RONALD S., United States Public Health Service Fellow (Trainee) in Food Science, one year from September 1, 1963, \$2,500 (9-19-63).
- PAUL, GORDON L., United States Public Health Service Predoctoral Fellow in Psychology, one year from September 1, 1963, \$4,000 (9-16-63).
- PEACOCK, DOUGLAS W., United States Public Health Service Predoctoral Fellow in Chemistry, one year from September 1, 1963, \$3,000 (9-17-63).

- PERKINS, WILLIAM E., United States Public Health Service Fellow (Trainee) in Pharmacology, ten months from September 1, 1963, \$2,583.30 (9-18-63).
- PERSHE, EDWARD R., United States Public Health Service Predoctoral Fellow in Civil Engineering, one year from September 16, 1963, \$3,500 (9-17-63).
- PLAUT, HANNAH M., United States Public Health Service Fellow (Trainee) in Nursing (Psychiatric), nine months from September 16, 1963, \$2,400 (9-12-63).
- PODOLOSKY, JUDITH, National Institute of Mental Health Fellow (Trainee) in Social Work, nine months from September 16, 1963, \$1,800 (8-13-63).
- RAINSFORD, DENNIS T., Vocational Rehabilitation Administration Fellow (Trainee) in Education, nine months from September 16, 1963, \$2,000 (9-23-63).
- ROSENE, GORDON L., United States Public Health Service Fellow (Trainee) in Anatomy, one-half time, nine months from September 16, 1963, \$1,770 (9-17-63).
- ROTHMAN, HOWARD H., United States Public Health Service Fellow (Trainee) in Biophysics, one year from September 16, 1963, \$2,666 (8-16-63).
- ROUGHEAD, WILLIAM G., JR., National Science Foundation Mathematics Institute Fellow in Mathematics, nine months from September 16, 1963, \$4,800 (9-30-63).
- SANDFORD, PAUL A., United States Public Health Service Predoctoral Fellow in Chemistry, one year from September 1, 1963, \$2,500 (9-30-63).
- SCAPINO, ROBERT P., United States Public Health Service Postdoctoral Fellow (Special) in Oral Anatomy (Dentistry), one year from June 18, 1963, without salary (9-18-63).
- SEDAY, ANN J., United States Public Health Service Fellow (Trainee) in Nursing (Psychiatric), nine months from September 16, 1963, \$2,400 (9-12-63).
- SEELY, OLIVER, JR., United States Public Health Service (Trainee) in Chemistry, one year from September 1, 1963, \$2,400 (9-24-63).
- SEIKKU, ANTTI R. O., Fellow in Law, nine months from September 16, 1963, \$1,500 (9-19-63).
- SHAPIRO, JULES S., United States Public Health Service Fellow (Trainee) in Orthopaedic Surgery, one year from July 1, 1963, \$6,000 (8-26-63).
- SHEA, JAMES H., Shell Company Foundation Fellow in Geology, nine months from September 16, 1963, \$2,100, supersedes (9-20-63).
- SOBEL, SOLOMON, United States Public Health Service Fellow (Trainee) in Medicine, August 5, 1963-June 30, 1964, \$5,435.50 (9-3-63).
- SPENCE, CLARK C., Postdoctoral Fellow in History, academic year beginning September 1, 1963, \$10,500 (8-31-63).
- STEVENS, KENT R., United States Public Health Service Predoctoral Fellow in Dairy Science, one year from September 1, 1963, \$3,000 (9-9-63).
- STIEFEL, HYLENE M., National Institute of Health Fellow (Trainee) in Social Work, nine months from September 16, 1963, \$1,800 (8-13-63).
- SUCHINSKI, JOYCE, United States Public Health Service (Trainee) in Nursing (Psychiatric) — Undergraduate, nine months from September 16, 1963, \$1,800 (9-12-63).
- TAYLOR, DOUGLAS H., Teaching Fellow in Mathematics, 16/100 time, nine months from September 16, 1963, \$750 (9-18-63).
- TERRY, RICHARD B., United States Public Health Service Predoctoral Fellow in Zoology, one year from September 1, 1963, \$3,000 (9-5-63).
- THURMAN, RONALD G., United States Public Health Service Fellow (Trainee) in Pharmacology, ten months from September 1, 1963, \$2,416.66 (9-12-63).
- TKACIK, ARNOLD, Lilly Endowment Postdoctoral Fellow in Psychology, nine months from September 16, 1963, \$5,000 (9-13-63).
- UNZICKER, ROGER G., United States Public Health Service Fellow (Trainee) in Pharmacology, ten months from September 1, 1963, \$2,250 (8-13-63).
- VAN VLEET, JOHN F., United States Public Health Service Fellow (Trainee) in Veterinary Medical Science, one year from September 1, 1963, \$5,500 (7-16-63).
- VERHEY, MRS. CATHERINE A., United States Public Health Service Predoctoral Fellow in Zoology, one year from September 1, 1963, \$2,000 (9-17-63).
- VOILS, DON L., National Science Foundation Mathematics Institute Fellow in Mathematics, nine months from September 16, 1963, \$2,310 (9-30-63).

- WAGNER, NEAL R., National Science Foundation Graduate Fellow in Mathematics, one year from September 1, 1963, \$1,800 (9-17-63).
WEBER, BRUCE A., Office of Vocational Rehabilitation Fellow (Trainee) in Speech, one year from September 1, 1963, \$2,800 (8-26-63).
WILLIAMS, ANN M., Office of Vocational Rehabilitation Fellow (Trainee) in Speech, ten months from September 1, 1963, \$2,400 (9-5-63).
WILLMORE, FLOYD E., National Science Foundation Mathematics Institute Fellow in Mathematics, nine months from September 16, 1963, \$2,310 (9-30-63).
ZIELINSKI, MIECZYSLAW, Postdoctoral Fellow in Chemistry, six months from October 16, 1963, \$2,250 (9-5-63).

RESIGNATIONS, DECLINATIONS, CANCELLATIONS, AND TERMINATIONS

- ALLERHAND, ADAM, Postdoctorate Fellow in Chemistry—resignation effective September 1, 1963.
ANDERSON, MARY P., Research Assistant in Chemistry—declination effective September 1, 1963.
ANDREWS, RICHARD D., Assistant in Veterinary Pathology and Hygiene—declination effective September 1, 1963.
BICKELHAUPT, ROY E., Research Assistant Professor of Ceramic Engineering—resignation effective September 22, 1963.
BLOSTEIN, RHODA, Research Associate in Chemistry—resignation effective June 16, 1963.
BROWN, DONALD E., Associate Professor of Journalism—resignation effective September 1, 1963.
BROWNE, JULIA, Fellow in Art—resignation effective June 16, 1963.
BUSTA, FRANCIS F., United States Public Health Service Predoctoral Fellow in Food Technology—resignation effective October 1, 1963.
DAGRES, JOHN, George A. Miller Fellow in History—resignation effective September 16, 1963.
DE FEO, VINCENT J., Assistant Professor of Anatomy (Medicine)—resignation effective September 1, 1963.
DINGER, SHARON L., Research Assistant in Physiology—resignation effective September 1, 1963.
FELTNER, CHARLES E., Research Assistant Professor of Theoretical and Applied Mechanics—resignation effective September 1, 1963.
FISHER, BARBARA N., United States Public Health Service Fellow (Trainee) in Chemistry—resignation effective September 16, 1963.
FLEY, JO ANN, Assistant Dean of Women—resignation effective February 1, 1964.
FRAZER, WILLIAM D., Fellow in Digital Computer Laboratory—resignation effective September 16, 1963.
GUR-ARIEH, CHAIM, Fellow in Food Technology—cancellation effective September 16, 1963.
HAMILTON, ROBERT C., Orthopaedist in the Division of Services for Crippled Children and Instructor in Orthopaedic Surgery (Medicine)—declination effective September 1, 1963.
HERBST, RICHARD J., Research Associate in Ceramic Engineering—resignation effective September 16, 1963.
HIRST, VIRGINIA A., Fellow in English—resignation effective September 16, 1963.
HRYKEWICZ, BORIS W., Research Assistant in Small Homes Council-Building Research Council—resignation effective September 1, 1963.
IRGENS, ROAR, United States Public Health Service Fellow (Trainee) in Microbiology—cancellation effective September 1, 1963.
JOHNSON, MARGARET L., Instructor in Medical Social Work (Medicine)—declination effective September 1, 1963.
KAISER, HENRY F., Professor of Psychology and of Educational Psychology (Bureau of Educational Research)—declination effective September 1, 1963.
KATAGUE, DAVID B., Instructor in Chemistry (Pharmacy)—resignation effective September 1, 1963.
KELSEY, PATRICIA A., Instructor in Occupational Therapy (Medicine)—resignation effective September 1, 1963.
KITSON, JOHN W., Instructor in Advertising—declination effective September 1, 1963.

- KOSMALLA, NORBERT, Instructor in German—declination effective September 1, 1963.
- MAHANY, RICHARD P., Fellow in History—resignation effective September 16, 1963.
- MALHOTRA, OM P., Assistant Professor of Veterinary Physiology and Pharmacology—resignation effective October 1, 1963.
- McKIBBIN, BRIAN, Clinical Instructor in Surgery (Medicine)—termination effective August 17, 1963.
- MILES, FRED D., Professor of Architecture—resignation effective September 1, 1963.
- NISHIDA, YOSHIRO, Research Assistant in Physiology and Biophysics—resignation effective September 16, 1963.
- NORTON, ROBERT H., Research Assistant in Pharmacognosy and Pharmacology (Pharmacy)—resignation effective September 1, 1963.
- OMORI, DOROTHY K., Instructor in Occupational Therapy (Medicine)—declination effective September 1, 1963.
- PATTISON, MRS. VALERIE, Assistant in Animal Science—resignation effective August 27, 1963.
- PENCHINA, CLAUDE M., Research Associate in Electrical Engineering—cancellation effective September 1, 1963.
- PETERSON, LEWIS V., Producer and Supervisor of Television-Motion Pictures—resignation effective September 1, 1963; retirement effective March 1, 1964.
- REMEC, MATTHEW J., Instructor in Electrical Engineering—resignation effective September 1, 1963.
- ROBERTS, MARGARET R., Research Assistant in the State Water Survey—resignation effective September 12, 1963.
- ROSE, CRONWELL A., Research Assistant in Preventive Medicine (Medicine)—resignation effective August 3, 1963.
- ROSLANSKY, JOHN D., Assistant Professor of Zoology—resignation effective September 1, 1963.
- ROTH, CYNTHIA M., Assistant in Chemistry (Chicago Undergraduate Division)—resignation effective September 16, 1963.
- SARKISSIAN, JOHN L., Instructor in Biological Sciences (Chicago Undergraduate Division)—resignation effective September 1, 1963.
- SASSOON, MABEL I., Instructor in Medical Social Work (Medicine)—resignation effective September 1, 1963.
- SPORLEDER, DONALD E., Assistant Professor of Architecture—resignation effective September 1, 1963.
- STEINHARDT, MARY D., National Science Foundation Graduate Fellow in Chemistry—resignation effective September 1, 1963.
- STEVENS, KENT R., Fellow in Dairy Science—resignation effective September 16, 1963.
- STRAIN, ROBERT J., Research Associate in Electrical Engineering—resignation effective September 18, 1963.
- SUDHOFF, HERBERT A., Executive Officer and Assistant Professor of Naval Science—resignation effective August 1, 1963.
- SWAGO, ANDREW W., Associate Professor of Electrical Engineering—resignation effective September 1, 1963.
- SWANSON, JUDITH E., Research Assistant in Microbiology—declination effective September 1, 1963.
- TALBOT, GEORGE A., Lecturer in Social Science and Sociology, Division of General Studies and Department of Sociology—resignation effective September 1, 1963.
- TOLEDO, FERNANDO, Research Associate in Electrical Engineering—resignation effective October 1, 1963.
- VERMEULEN, MRS. MARY E., Research Assistant in Microbiology—resignation effective October 1, 1963.
- WALLER, MRS. EDNA I., Project Assistant in the Natural History Survey and in the Graduate College—resignation effective September 16, 1963.
- WEICHSEL, PAUL M., Assistant Professor of Mathematics—declination effective September 1, 1963.

LEAVES OF ABSENCE

- CLEARY, EDWARD W., Professor of Law—disability leave of absence, with full pay, from September 1, 1963, and continuing until February 1, 1964.
- CRIBBET, JOHN E., Professor of Law—leave of absence, without pay, for the academic year 1963-64, so that he may accept a position as Visiting Professor of Law at the University of Michigan.
- DRUMMOND, HAROLD A., Lecturer in Medical and Dental History, with rank of Associate Professor, College of Dentistry—leave of absence without pay, for one year from September 1, 1963, so that he may travel abroad.
- FU, MRS. HELENA SUEN, Instructor in Pharmacy, College of Pharmacy—leave of absence, without pay, for one year from September 1, 1963.
- HENDRON, ALFRED J., JR., Assistant Professor of Civil Engineering, College of Engineering—leave of absence for two years from September 1, 1963, for military service.
- HOLDERMAN, JAMES B., Assistant Professor in the Institute of Government and Public Affairs—leave of absence, without pay, for the first semester of the academic year 1963-64, so that he may serve as Social Studies Consultant for the Superintendent of Public Instruction.
- PAUL, SHERMAN, Professor of English and Associate Member of Center for Advanced Study—leave of absence from the Department of English, without pay, during the current academic year (September 1, 1963, through August 31, 1964), in view of the fact that he has received a John Simon Guggenheim Memorial Foundation grant to supplement his appointment as an Associate Member, on one-half time, of the Center for Advanced Study.
- PERLMUTTER, MRS. SHIRLEY, Instructor in Occupational Therapy, College of Medicine—extension of leave of absence, without pay, beginning September 1 through December 31, 1963.
- RUDIN, CECILIA M., Instructor in English (Chicago Undergraduate Division)—extension of leave of absence, without pay, for one year from September 1, 1963, on account of illness.
- STIPPES, MARVIN C., Professor of Theoretical and Applied Mechanics, College of Engineering and Engineering Experiment Station—leave of absence, without pay, for the second semester of 1963-64, so that he may accept a position as Visiting Professor of Civil Engineering at the University of Washington.
- WACHOWSKI, THEODORE J., Clinical Professor of Radiology, College of Medicine, and Associate Radiologist, Research and Educational Hospitals—leave of absence, without pay, for six months from September 1, 1963, so that he may travel and do work in association with his appointment as President of the American College of Radiology.
- ZIOLKOWSKI, EDMUND, Physician in the Health Service (Medical Center, Chicago)—leave of absence, without pay, beginning September 1, and continuing through October 20, 1963, because of the temporary press of other responsibilities.

CANCELLATION OF SABBATICAL LEAVE OF ABSENCE

- STIPPES, MARVIN C., Professor of Theoretical and Applied Mechanics, College of Engineering, and Engineering Experiment Station—sabbatical leave of absence for the second semester of the academic year 1963-64 is hereby cancelled, without prejudice.

FUTURE BOARD MEETINGS

President Clement reminded the Trustees of their previous action changing the date of the regular November meeting from the third Wednesday to Saturday, November 23, 1963, to be held in Urbana, and inquired if the Board desires to consider any other date. Following discussion, it was the consensus of the Trustees that the meeting should be held on November 23 as now scheduled.

The regular December meeting of the Board is scheduled for Wednesday, December 18, and President Clement announced that the Trustees have the annual invitation from the officers of the First National Bank of Chicago to hold the meeting at the Bank.

MEETING OF ASSOCIATION OF GOVERNING BOARDS

Mrs. Watkins reported informally and briefly on the 1963 annual meeting of the Association of Governing Boards of State Universities and Allied Institutions at which she, Mr. Dilliard, and the Secretary, Mr. Janata, represented the Board of Trustees of the University. Mr. Dilliard also commented on this meeting.

Mrs. Watkins stated that she would send a formal, written report to all the Trustees later and a copy would be filed with the Secretary.

RECESS AND EXECUTIVE SESSION

President Clement announced that an executive session has been requested and would be ordered for consideration of reports and recommendations relating to property acquisitions; and that this session will be held immediately after luncheon recess.

At 11:15 a.m., on motion of Mr. Swain, the Board recessed.

INSPECTION OF PHYSICS BUILDING

During the recess, the Trustees and officers of the University visited the new Physics Building for an inspection. Professor G. M. Almy, Associate Head of the Department of Physics, Professor Robert J. Maurer and Associate Professor George A. Russell, of the Department, conducted the inspection tour.

GUESTS OF HONOR AT LUNCHEON

Following inspection of the Physics Building, the Trustees returned to the Illini Union for luncheon. State Senator Everett R. Peters, and State Representatives Charles W. Clabaugh, Edwin E. Dale, and Leo Pfeffer were guests of honor of the Board at luncheon. Presidents Clement and Henry expressed on behalf of the Trustees and other officers of the University appreciation of the services of the Senator and Representatives to the University during the session of the Seventy-third General Assembly of Illinois. The guests of honor responded briefly.

SITE FOR UNDERGRADUATE LIBRARY

Mr. Ambrose Richardson, Consulting Architect, presented sketches of a preliminary study of a new undergraduate library building at Urbana-Champaign showing how such a building could be constructed below grade in the quadrangle between the Auditorium and the Stock Pavilion and connected with the University Library. He illustrated his presentation with slides.

On recommendation of President Henry and on motion of Mr. Swain, this proposal was referred to the Committee on Buildings and Grounds for consideration and report.

DESIGN OF CHILDREN'S RESEARCH CENTER

Mr. Richardson presented the proposed design for the Children's Research Center to be constructed in the area which has been set aside for the Mental Health Building.

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

EXECUTIVE SESSION

The Board reconvened in executive session at 1:30 p.m. and the same Trustees and officers of the University were present as recorded at the

beginning of these minutes with the exception of Mr. Ray Page who asked to be excused and Mr. John A. Baerwald and Mr. Ambrose Richardson, whose services were not required.

The Board proceeded to consider the following reports and recommendations submitted by and on behalf of the President of the University.

VACATION OF STREETS AND ALLEYS BY THE CITY OF URBANA

(1) The Committee on Buildings and Grounds of the Board of Trustees has recommended payment to the city of Urbana of \$147,345 for the vacation of Romine Street between Springfield Avenue and Main Street; Stoughton Street between Romine Street and Mathews Avenue; and the alleys in the two blocks bounded by Springfield Avenue, Mathews Avenue, Main Street, and Romine Street. Such vacations by the City would have the effect of vesting in the University title to the areas vacated.

The areas will be vacated in two parts, namely Romine Street and the west part of the alley in the block bounded by Stoughton, Romine, Main, and Mathews, conditioned upon the payment of \$92,895.00; and Stoughton Street and the alley in the block bounded by Stoughton, Romine, Springfield, and Mathews, conditioned upon a payment of \$54,450. The latter vacation will take place after the University's completion of acquisition of contiguous land.

The city of Urbana has since requested that prior to enactment of the city ordinances that would vacate the streets and alleys subject to payments being made, the Board of Trustees take action to authorize such payments.

It is recommended that the Board of Trustees approve the proposal to the City for vacation of the areas and authorize payments of the amounts required by the City when the ordinances are passed.

Funds are available from the state capital appropriations to the University for the 1963-65 biennium.

I concur.

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

PURCHASE OF FARMLAND SOUTH OF BONDVILLE

(2) In 1957, lease arrangements were completed for the use of a forty-one-acre tract, four miles south of Bondville, Illinois, as a site for a radio direction-finding facility for the Department of Electrical Engineering. This land was purchased by a private company and leased to the University with the lease cost paid from a research contract with the United States Navy. The University has the option to buy the site at any time before the expiration of the lease in 1972 at a cost not to exceed \$18,245.

Two tracts totaling 210 acres are now required for immediate expansion of the research facility and additional land will be required in the future to control construction of fences, metal buildings, and possibly high-growing crops, all of which interfere with the research program. The total land required, including the forty-one acres now leased to the University, is approximately 480 acres.

Negotiations have been under way for acquisition of the two tracts of land required for immediate expansion:

Tract A — Approximately 130 acres north of the original forty-one acres described as:

The North Half of the Northeast Quarter of Section Two, except a strip one rod wide off the full south end thereof, containing 88.78 acres more or less, and the North Half of the East Half of the Northwest quarter of said Section Two, except one square rod in the Southeast corner thereof, containing 41.48 acres more or less, all in Section Two Township 18 North, Range 7 East, of the Third Principal Meridian, in Champaign County, Illinois.

The owner will sell for \$90,000 but retaining for three crop years the right of occupancy of not less than eighty acres of land.

Tract B—Approximately eighty acres east of the original forty-one acres described as:

The South Half (S $\frac{1}{2}$) of the Northeast Quarter (NE $\frac{1}{4}$) of Section 2, Township 18 North, Range 7 East of the Third Principal Meridian.

The owner will sell for \$64,000 and give immediate possession to the University.

The prices are the lowest prices for which the properties can be acquired without condemnation proceedings and the resulting costs thereof.

Funds are available from undistributed indirect costs received under Navy contracts.

The Vice-President and Comptroller recommend that the Board authorize the purchase of the above two properties at the prices and terms outlined above.

I concur.

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

ACQUISITION OF PROPERTY AT 603 EAST DANIEL STREET, CHAMPAIGN, ILLINOIS

(3) The Board has authorized and the University is in the process of acquiring by condemnation the property at 605 East Daniel Street, Champaign (commonly referred to as the Cosmopolitan Club). The adjoining property at 603 East Daniel Street, Champaign (commonly referred to as the Thunderbird Restaurant property) is also required for the University's campus expansion and is under common ownership with the Cosmopolitan Club.

Officials of the University have carefully reviewed the various alternatives available to the University with regard to the acquisition of the Thunderbird property and have concluded that: (1) funds are now available which can be budgeted for this purpose; (2) if it is necessary to institute condemnation proceedings on this property, it would be desirable to consolidate such proceedings with the pending Cosmopolitan Club condemnation; and (3) the acquisition of the property at this time would be in the best interests of the University.

The Thunderbird property consists of a lot 43.68 feet frontage on Daniel Street by 73 feet deep, and is improved with a restaurant occupying most of the land area. The original building was a three-story and basement frame rooming house to which has been added a frame dining room two stories high, a one-story masonry side entrance, and a second-story addition at the rear of the property used as a dining room. The basement has been remodeled into a "rathskeller."

The Director of the Physical Plant and the Vice-President and Comptroller recommend that the Board of Trustees authorize the acquisition of this property by negotiation at a price not to exceed \$100,000. They further recommend that if the University is unable to acquire the property by negotiation, the Board authorize the Executive Committee to adopt a resolution for institution of condemnation proceedings for the acquisition of this property. This resolution was distributed to the members of the Board of Trustees, and a copy was filed with the Secretary of the Board for record.

Funds are available in the state capital appropriations to the University for 1963-65 from the Universities Building Fund.

I concur.

On motion of Mr. Johnston, the foregoing recommendations were approved and authority was given as requested; this action was taken by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Hughes, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Kerner, Mr. Page.

ACQUISITION OF FARMLAND IN LA SALLE COUNTY

(4) In 1955, Miss Laura Weber gave to the University 640 acres of farmland in La Salle County. Included in the gift is a 160-acre farm in Waltham Township, north of Utica. On November 21, a 160-acre farm which adjoins this farm will be sold at public auction by the administrator of an estate. It is desirable for the

University to acquire this farm, or at least eighty acres of it, in order to implement the functions being performed on the Weber property.

The Dean of the College of Agriculture and the Vice-President and Comptroller recommend that the Comptroller or an agent selected by him be authorized to submit not exceeding \$700 an acre for the west eighty acres (which are immediately south of the University property) and not to exceed \$650 an acre for the east eighty acres and not to exceed \$675 an acre for the entire farm.

Approximately \$50,000 is available in the fellowship account established from the income of the Weber farms. This income is unrestricted except that it must be used for the benefit of the College of Agriculture. The Dean of the College recommends that this sum be transferred to endowment funds if the property is acquired. The remainder of the purchase price can be financed from working capital funds of the Weber farms and Wright farms.

The Chairman of the Committee on Agriculture has been consulted and approves the recommendation.

I concur.

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

On motion of Mrs. Watkins, the Board adjourned.

A. J. JANATA
Secretary

HOWARD W. CLEMENT
President