

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

---

**November 9, 1962**



The November meeting of the Board of Trustees of the University of Illinois was held in the Wolford Hotel, Danville, Illinois, on Friday, November 9, 1962, beginning at 10:30 a.m.

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

Also present were President David D. Henry, Executive Vice-President and Provost Lyle H. Lanier, Professor Norman A. Parker, Vice-President, Chicago Undergraduate Division, Dr. Joseph S. Begando, Vice-President, 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; and the officers of the Board, Mr. H. O. Farber, Comptroller, and Mr. A. J. Janata, Secretary.

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

#### **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.

#### **BUILDING PROGRAM FOR 1963-65**

(1) Submitted herewith is the proposed building program for the biennium of 1963-65, based upon the recommendations of the University Building Program Committee<sup>1</sup> and consultation with the University Council.

I recommend that the Board of Trustees approve this building program for presentation to the appropriate state officials and agencies, and committees of the Seventy-third General Assembly of Illinois; and I further recommend that the President of the Board, the Chairmen of the Board Committees on Buildings and Grounds, General Policy, and Finance, and the President of the University be authorized to represent the Board of Trustees in such conferences as may be required in discussing the program with state officials and agencies.

The building program and requests for state capital appropriations for 1963-65, as prepared by the Building Program Committee and recommended by the President of the University, were submitted to the members of the Board of Trustees in advance of today's meeting. The building program had also been studied in detail by the Committee on Buildings and Grounds in consultation with the President and other University officers at two meetings, on July 17 and November 8, 1962, in which other Trustees participated.

President Henry, Vice-President and Provost Lanier, and Comptroller Farber again reviewed the recommendations.

Following this presentation and discussion by the Trustees, on motion of Mr. Pogue, the building program and recommendations were approved, and authority was given as requested. This action was taken by the following vote: Aye, Mr. Clement, Mr. Dilliard, Mr. Johnston, Mr. Pogue, Mr. Swain, Mrs. Watkins, Mr. Williamson; no, none; absent, Mr. Hughes, Mr. Kerner, Mr. Wilkins.

The complete report of the Building Program Committee, including the schedules of capital funds to be requested in state appropriations for 1963-65, on which this action was taken, was filed with the Secretary of the Board for official record.

#### **AWARD OF CERTIFIED PUBLIC ACCOUNTANT CERTIFICATES**

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

<i>Name</i>	<i>Address</i>	<i>State from Which They Obtained Certificates</i>
ARTHUR LIEBER, JR.	University City, Missouri	Missouri
DONALD ALAN NAY	Lombard, Illinois	Indiana
ALFRED F. ROLFE	St. Louis, Missouri	Missouri

I concur.

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

<sup>1</sup> Members of the Building Program Committee are: Executive Vice-President and Provost Lyle H. Lanier, Chairman; G. M. Almy, Associate Head of the Department of Physics; Vice-President Joseph S. Begando, Medical Center; Vice-President and Comptroller H. O. Farber; Kenneth M. Madison, Associate Professor of Biological Sciences, Chicago Undergraduate Division; John P. Marbarger, Professor of Physiology and Director of the Aeromedical Laboratory; Vice-President Norman A. Parker, Chicago Undergraduate Division; Dean Russell N. Sullivan of the College of Law; Dean F. T. Wall of the Graduate College.

### 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. BERNARD CENTURY, Assistant Professor of Biological Chemistry, College of Medicine, beginning September 1, 1962, without salary (DY).
2. RICHARD WILLIAM TIECKE, Lecturer with rank of Professor, Department of Oral Pathology, College of Dentistry, beginning September 1, 1962, on one-tenth time, at an annual salary of \$1,200 (DY10).
3. CLARA BEATRICE WEIMER, Assistant Professor of Psychology, Department of Psychiatry, College of Medicine, beginning September 17, 1962, at an annual salary of \$9,000 (BY100).
4. PENGH-CHIH CONSTANCE YANG, Visiting Assistant Professor of Civil Engineering, for the academic year 1962-63, at a salary of \$6,500 (E).
5. AVIVI I. YAVIN, Research Assistant Professor of Physics, beginning October 15, 1962, at an annual salary of \$11,000 (DY).
6. JAMES WEBB YOUNG, Visiting Professor of Advertising, College of Journalism and Communications, for one month from February 8, 1963, at a salary of \$2,000 (G).

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

### ADVISORY COMMITTEE FOR THE DIVISION OF UNIVERSITY EXTENSION

(4) The Dean of the Division of University Extension recommends the following appointments to the Division of University Extension Advisory Committee for two years beginning September 1, 1962, unless otherwise indicated.

#### Representatives of the University

PROFESSOR CHARLES K. BRIGHTELL, Head, Department of Recreation and Municipal Park Administration

PROFESSOR WARREN F. DOOLITTLE, JR., Department of Art

PROFESSOR KENNETH J. TRIGGER, Department of Mechanical Engineering

These appointees replace Professors Ross J. Martin, College of Engineering; R. Stewart Jones, College of Education; and Duane A. Branigan, Director, School of Music, whose terms have expired.

Other representatives of the University on the Committee are Professors Harvey W. Huegy, Head, Department of Marketing, and George W. White, Head, Department of Geology.

#### Non-University Representatives

RUSSELL L. GUIN, President, Interstate Printers and Publishers, Inc., Jackson at VanBuren, Danville, for one year

WILLIAM R. MCINTOSH, Superintendent, Rockford Public Schools, 201 South Madison Street, Rockford

GERALD PLANK, Director, Department of Personnel, Caterpillar Tractor Company, Joliet

These appointees replace Mr. Dale Sutton, Supervisor of Personnel, Illinois Bell Telephone Company, 212 West Washington Street, Chicago 6, and Mr. Russell L. Guin, Danville, whose terms have expired. Mr. Guin is being re-appointed for one year to fill the unexpired term of Mr. Richard G. Browne who has asked to be relieved of this assignment.

Other non-University representatives are Mr. Lloyd McBride, Sub-district Director, United Steelworkers of America, Granite City, and Mr. Earl I. Swords, President, Peoria Tractor Company, Peoria. Their terms expire September, 1963.

I concur.

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

### APPROPRIATIONS FOR NONRECURRING EXPENDITURES

(5) The Committee on Nonrecurring Appropriations recommends the following appropriations and assignments of funds from the University General Reserve:

*Urbana-Champaign*

1. College of Agriculture	
Department of Agronomy, South Farm heating system.....	\$ 2 800
Department of Plant Pathology, equipment.....	5 965
Department of Forestry, pressure-vacuum cylinder and related instrumentation (an addition to \$10,000 appropriated July 18, 1962).....	4 600
2. College of Education	
Industrial Education, equipment (surface planer and Universal grinder) .....	6 900
University High School, audio-visual equipment and library expansion.....	7 227
3. College of Engineering	
Department of Civil Engineering, Universal testing machine.....	25 500
Physics Betatron, prefabricated metal building.....	8 000
4. College of Fine and Applied Arts	
School of Music, practice pianos and organs.....	36 000
5. College of Liberal Arts and Sciences	
Department of Chemistry and Chemical Engineering, undergraduate teaching equipment.....	5 266
Department of Mathematics, equipment.....	8 135
Department of Psychology, Comparative Laboratory furnishings and equipment .....	9 322
6. Library, equipment .....	21 520
7. College of Physical Education	
Ice Rink, ice resurfacer.....	8 500
8. Physical Plant Department	
Department of Mechanical Engineering, remodeling to increase research space and for expansion of Machine Shop.....	4 400
9. Statistical Service Unit, auxiliary equipment for the 1401 IBM Computer.....	5 242
10. University Extension	
Audio-Visual Aids Service, replacement of equipment, materials, and supplies lost in a fire (an addition to \$25,000 appropriated April 19, 1961).....	30 040
<i>Total Urbana-Champaign</i> .....	(189 417)

*Chicago Undergraduate Division*

11. College of Architecture and Art, equipment.....	4 540
12. Library, additional acquisitions.....	15 000

*Medical Center*

13. Physical Plant, replacement of ducts in the Medical Research Laboratory.....	33 000
14. College of Pharmacy, equipment.....	14 000
<i>Grand Total</i> .....	\$255 957

I concur.

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

**CONTRACTS FOR MODERNIZATION OF ELEVATORS**

(6) The Director of the Physical Plant and the Vice-President and Comptroller recommend awards of contracts for modernization of elevators in three buildings, the award in each case being to the lowest bidder:

Montgomery Elevator Company, Chicago	
David Kinley Hall.....	\$24 398
Westinghouse Electric Corporation, Elevator Division, Chicago	
Mumford Hall .....	30 367
Library.....	29 870

It is recommended that one contract be awarded to Westinghouse for the Mumford Hall and Library jobs at a total contract price of \$60,237.

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

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

I concur.

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

#### CONTRACTS FOR CONSTRUCTION OF ADDITION ON BURNSIDES RESEARCH LABORATORY

(7) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of contracts for construction of a third floor addition on the Burnsidess Research Laboratory to provide additional usable space for seminar and office areas, the award in each case being to the lowest bidder:

General—A. F. Krall Construction Company, Inc., Decatur.....	\$32 343
Electrical—Square Deal Electrical Contracting, Inc., Urbana.....	3 100
Plumbing—Thomas Plumbing and Heating Company, Urbana.....	1 579
Heating and Temperature Control—David W. Reichard, Plumbing and Heating, Urbana .....	5 300
Ventilating—Reliable Plumbing and Heating Company, Champaign.....	4 095
<i>Total</i> .....	\$46 417

Funds are available in the original financing of the project.

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

I concur.

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

#### CONTRACT FOR LABORATORY EQUIPMENT FOR THE COLLEGE OF EDUCATION BUILDING

(8) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of a contract for \$62,701 to E. H. Sheldon Equipment Company, St. Louis, Missouri, the lowest bidder, for fixed laboratory equipment for the College of Education Building.

It is further recommended that this contract be assigned to Felmley-Dickerson Company, Urbana, Illinois, the contractor for general construction work on this building, making the total of his contract price \$2,795,023; and that an agreement be entered into with Felmley-Dickerson Company for the assignment of the contract with E. H. Sheldon Equipment Company to that firm without any adjustment in the original fee (\$27,000) for assignment of other contracts which amount has been included in the contract price, being the amount bid as a service charge for supervision of contracts assigned to the general contractor.

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

I concur.

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

**CONTRACTS FOR REMODELING ILLINOIS SURGICAL INSTITUTE**

(9) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of contracts for remodeling and construction of an addition to the fourth floor of the Illinois Surgical Institute, a unit of the Research and Educational Hospitals, the award in each case being to the lowest bidder:

General—Oman and Giden, Inc., Northfield.....	\$ 63 660
Base bid .....	\$61 300
Additive alternates	
Service charge for supervision of other contracts assigned to this contractor.....	2 000
Air conditioning .....	360
Laboratory Equipment—Browne-Morse Company, Chicago.....	16 574
Plumbing—Ewing Plumbing, Inc., River Forest.....	7 500
Heating—Louis Cutler Plumbing and Heating Company, Chicago.....	20 140
Base bid .....	\$11 400
Additive alternate for air conditioning.....	8 740
Ventilating—Byness, Inc., Chicago.....	14 653
Electrical—Divane Brothers Electric Company, Chicago.....	16 670
Base bid .....	\$15 940
Additive alternate for air conditioning.....	730
<b>Total.....</b>	<b>\$139 197</b>

The contracts are for remodeling of the present fourth floor and construction of an addition on the roof of the Illinois Surgical Institute for research laboratories for the Department of Orthopaedics.

It is further recommended that all contracts other than the contract for general work be assigned to the contractor for that work, making the total of his contract price \$139,197; and that an agreement be entered into with Oman and Giden, Inc., for the assignment of these other contracts for \$2,000 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 in the state capital appropriations to the University for 1961-63 from the Universities Building Fund and have been released and from a matching National Institutes of Health Grant (RC-1069).

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

I concur.

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

**CONTRACTS FOR REMODELING AND AIR CONDITIONING  
IN FIRST UNIT OF DENTISTRY-MEDICINE-PHARMACY BUILDING**

(10) The Director of the Physical Plant and the Vice-President and Comptroller recommend award of contracts for remodeling and air conditioning conference and lecture rooms in the first unit of the Dentistry-Medicine-Pharmacy Building, the award in each case being to the lowest bidder:

Heating—Utility Air Conditioning and Heating Company, Oak Park..	\$ 54 411
Base bid .....	\$52 811
Additive alternate for service charge for supervision of other contracts assigned to this contractor.....	1 600
Ventilating—Narowetz Heating and Ventilating Company, Chicago....	20 370
Plumbing—Ewing Plumbing, Inc., River Forest.....	705
Electrical—Midwest Interstate Electrical Construction Company, Chicago.....	13 872
General—Simpson Construction Company, Chicago.....	18 841
<b>Total.....</b>	<b>\$108 199</b>

It is further recommended that all contracts other than the contract for heating be assigned to the contractor for that work, making the total of his contract price \$108,199; and that an agreement be entered into with Utility Air Conditioning and Heating Company for the assignment of these other contracts

for \$1,600 which amount is included in the contract price, being the amount bid by that company for service charge for supervision of other contracts assigned to the general contractor.

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

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

I concur.

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

#### EMPLOYMENT OF ARCHITECTS AND ENGINEERS

(11) The Director of the Physical Plant and the Vice-President and Comptroller recommend the employment of architects and engineers for the following assignments and on the terms indicated:

Veterinary Medicine, Small Animal Clinic—Perkins and Will, Chicago, for architectural services including preliminary studies, working drawings, plans and specifications, and supervision of construction, at a fee of 6 per cent of the construction costs.

Physical Plant Service Building, Medical Center—Friedman, Alschuler, and Sincere, Chicago, for architectural services including design, working drawings, plans and specifications, and supervision of construction, at a fee of 6 per cent of the cost of construction.

Paving of Oak Street, Construction of Central Trash Disposal Depot, and Construction of Parking Facilities South of Florida Avenue, Urbana-Champaign—Clark, Daily, Dietz, and Associates, Urbana, for engineering services including surveys, estimates of cost, preparation of plans and specifications, and general supervision of construction, at a fee based on Schedule B of minimum fees of the Illinois Society of Professional Engineers.

These firms have been recommended for the specific assignments by the Advisory Committee on the Selection of Architects and Engineers. The Committee on Buildings and Grounds has also been consulted and recommends approval.

I concur in these recommendations.

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

#### PURCHASES

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

I concur.

#### *Chicago Colleges and Divisions*

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Electronic instruments consisting of eleven vacuum tube voltmeters, eleven audio oscillators, and eleven amplifiers	Engineering, Chicago Undergraduate Division	Crossley Associates, Inc., Chicago	\$ 6 764 69 delivered
Two superspeed refrigerated centrifuges for continuous and batch operation with accessories	Medicine	Ivan Sorvall, Inc., Norwalk, Conn.	5 100 00 delivered
One research microscope and photomicrographic accessories	Oral Anatomy	W. H. Kessel & Co., Chicago	3 359 46 delivered
Rehabilitation of one 200-ton refrigeration compressor including cleaning and reassembling of all compressor parts, cleaning of the cooler and condenser, and replacement of parts wherever necessary	Physical Plant, Medical Center	Carrier Air Conditioning Co., Chicago	11 630 00 estimated price
One hypothermia unit, to be used for the control of patient's body temperature in the Recovery and Operating Rooms of the Research and Educational Hospitals	Research and Educational Hospitals	Hemathermatrol Corp., Indianapolis, Ind.	2 550 00 freight allowed

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One lot of hospital equipment consisting of 27 examining tables, one treatment table, one treatment cabinet, 24 pieces of diagnostic equipment, one bassinnet, one cast cutter, eight stools, and 12 waste cans	Research and Educational Hospitals	Chicago Hospital Supply Co., Chicago	\$ 6 431 06 delivered
Two sets of balanced stainless steel metal doors, frames, and hardware for replacements of existing entrances at 805 South Wolcott Street and 817 South Wolcott Street, at the Medical Center, Chicago	Physical Plant	Ellison Bronze Co., Inc., Chicago	3 916 00 delivered

*Urbana-Champaign Departments*

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Two 1963 sedans, compact, two-door, six-passenger, six-cylinder, manual shift, equipped with right-hand drive	Agency for International Development	North Park Sales & Service, Inc., Chicago	3 476 96 f.a.s. San Francisco, Calif.
One photosommateur	Chemistry and Chemical Engineering	Engis Equipment Co., Chicago	3 244 00 f.o.b. Chicago
One measurement and recording system consisting of: Recording oscillograph, twelve-trace capacity, speeds 0.25 to over 100 inches per second, seven galvanometers, trace numbering, electronic flash timing (Group A) Two amplifiers, D.C., 20 KC, single channel, frequency response flat to $\pm 1$ per cent (Group B) Amplifier, carrier, four-channel, 20 KC, rack mount (Group C)	Civil Engineering	Consolidated Electro-dynamics Corp., Chicago	10 001 75 f.o.b. delivered
One computer, digital, and data storage unit, 1 to 4 simultaneous discrete inputs, 400 ordinates One extra modulator set; 1-type-punch-read control unit One light bank	Civil Engineering	Mnemotron Corp., c/o Electronic Aides, Chicago	14 095 00 f.o.b. North Haven, Conn.
One recording system consisting of two eight-channel units, $1\frac{1}{4}$ and 60 ips, 0-10,000 cps, FM (Group A) One magnetic oscillograph, 18-channel, with 0-500 and 0-1000 cps galvanometers, rack mount (Group B) 16-amplifier modules and two-rack mounts and power supplies (Group C)	Civil Engineering	Minneapolis-Honeywell Regulator Co., Chicago (Group A) Consolidated Electro-dynamics Corp., Chicago (Group B) Dana Laboratories, c/o Pivan Engineering, Chicago (Group C)	22 090 00 5 430 20 6 900 00 (34 420 20)
Fifteen steel plates, size 4 ft. by 8 ft. by $\frac{3}{4}$ in. thick, produced from one heat under military specifications	Civil Engineering	United States Steel Corp., Chicago	3 876 63 f.o.b. delivered
One kerr-cell camera system, 5 nanoseconds to 10 microseconds exposure time	Coordinated Science Laboratory	Electro-Optical Instruments, Inc., Pasadena, Calif.	4 285 00 f.o.b. delivered
Print and bind 15,000 copies of <i>The Universe in Motion</i> , by J. Myron Atkin and Stanley P. Wyatt, approximately 96 pages per copy, trim size $8\frac{1}{4}$ in. by 11 in., to be printed by offset	Elementary Education	George Banta Co., Chicago	3 118 18 f.o.b. delivered
One counter, eight-digit, solid stage, 50 mc, sensitivity 0.1 volt, RMS time base stability $\pm 3$ parts in $10^6$ per day, with plug-in to extend range to 100 mc, and with time interval plug-in with 0.1 microsecond resolution One digital recorder for use with above and with analog output installed	Electrical Engineering	Hewlett-Packard Co., c/o Crossley Associates, Inc., Chicago	5 975 00 f.o.b. Palo Alto, Calif.
One slicing machine, crystal, manually indexed, 6 in. by 12 in. table area (this machine is used for precision slicing of wafers from semi-conductor materials such as germanium with a minimum amount of lost material; semi-conductor materials are used to make electronic devices such as transistors and diodes)	Electrical Engineering	DoAll Rockford Co., Rockford	3 904 36 f.o.b. delivered



<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One analog computer including chassis, power supplies, amplifiers, pre-patch program system, variable function diode generator, patch-bay installation kits, pre-patch panel, and slaving cable	Electrical Engineering	Electronic Associates, Inc., Mount Prospect	\$ 8 391 00 f.o.b. Long Branch, N.J.
One liquid scintillation spectrometer with bench top electronics, one gas fraction collector, and one supply kit containing chemicals and standards to put the spectrometer and collector into operation	Food Technology	Packard Instrument Co., Inc., La Grange	13 190 50 delivered and installed
One high vacuum ultracentrifuge, preparative type and two rotors for use in the study of lipoproteins in the human blood stream	Food Technology	Spinco Division, Beckman Instruments, Inc., Palo Alto, Calif.	8 995 00 delivered
Laboratory equipment and apparatus for stock in the General Chemical Stores including one recording spectrophotometer, glass cutters, micro burners, rubber tubing, ring supports, rubber sheeting, hydron paper, razor blades, and neoprene filter adapters (this is an estimated six-month supply)	General Chemical Stores	Chicago Apparatus Co., Chicago	4 655 00 f.o.b. delivered
One lot laboratory glassware including flasks, distilling columns, condensers, stoppers, and thermometers for stock in the General Chemical Stores (this is an estimated six-month supply)	General Chemical Stores	Chatas Glass Co., Vineland, N.J.	2 564 01 f.o.b. delivered
Computer service for the period of October 5, 1962, to June 30, 1964	Physics	General Motors Corp. Research Laboratories, Warren, Mich.	30 000 00 total estimated cost
One monochromator, double pass quartz prism, including beam chopper, wavelength range 0.2 to 5.2 microns	Physics	The Perkin-Elmer Corp., Norwalk, Conn.	3 815 00 f.o.b. Norwalk, Conn.
One prism, mounted fused quartz, .60", 60 by 70 mm.	Physics	Nuclear Research Instruments, Berkeley, Calif.	10 090 00 f.o.b. delivered
One data read-out system consisting of new encoders, translators, and output control electronics for precision film reader	Physics	Nuclear Research Instruments, Berkeley, Calif.	10 090 00 f.o.b. delivered
One oscillograph, recording, 18 trace capacity, record speeds 0.25 to 64 inches per second, complete with trace numbering kit, magnet block heater kit, electronic flash timing, rackmount drawer slide, take-up reel assembly, four galvanometers, and galvanometer driver amplifier and case	Mechanical and Industrial Engineering	Consolidated Electrodynamics Corp., Chicago	5 176 00 f.o.b. delivered
One transistorized pulse height analyzer system, and two detectors with pre-amplifiers, designed to scan, on a simultaneous basis, random voltage pulses having a wide range of amplitudes and waveforms, and to sort them on an amplitude basis into one of 400 amplitude ranges	Nuclear Engineering	Radiation Instrument Development Laboratory, Inc., Melrose Park	19 193 50 f.o.b. delivered and installed
One ice rink resurfacing machine, rider type, self-propelled, powered by automotive type gasoline engine, designed to be operated by one man to shave the ice, pick up loose snow, wash and squeegee behind the blade; machine to be capable of completely resurfacing a 100 ft. by 200 ft. area in 15 minutes, for use in University of Illinois Ice Rink	Physical Education	Frank J. Zamboni & Co., Paramount, Calif.	8 328 90 f.o.b. delivered
Forty-one prints each of three films, "Point of View," Parts I and II, and "Biology Plus" from AB negative, 16mm., sound, black and white movie film, plus required reels and cans (total footage is 117,957)	University High School	Fischer Photographic Laboratory, Oak Park	4 980 81 f.o.b. Oak Park
Fifteen films, 16 mm., black and white and color	Audio-Visual Aids Service	Walt Disney Films, Educational Film Division, Park Ridge	2 570 00 f.o.b. delivered

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Thirty-eight films, 16 mm., miscellaneous, color and black and white	Audio-Visual Aids Service	Encyclopaedia Britannica, Wilmette	\$ 3 705 00 f.o.b. Wilmette
Print and bind 2,000 copies of <i>Problems of Economics and Sociology</i> , by Carl Menger, approximately 256 pages per copy, trim size 6 in. by 9½ in.	University Press	George Banta Co., Chicago	4 135 55 f.o.b. delivered
Print and bind 25,000 copies of <i>High School Mathematics</i> , Units 1 through 4, Students' Edition, approximately 708 pages per copy, trim size 8½ in. by 11 in.	University Press	George Banta Co., Chicago	27 065 00 f.o.b. Menasha, Wis.
Print and bind 4,000 copies <i>High School Mathematics</i> , Unit 1, Students' Edition, approximately 164 pages per copy, trim size 8½ in. by 11 in.			
Print and bind 35,000 copies of Time Table, second semester, 1962-63, approximately 320 pages per copy, trim size 5½ in. by 8½ in.	University Press	Phillips Bros., Inc., Springfield	6 851 25 f.o.b. delivered
Thirty-six memo books, various sizes 4,016 ring binders, three-ring, various sizes 1,074 composition notebooks, bound, size 5 in. by 7 in. 132 order books, various sizes 1,728 notebooks, shorthand, size 5 in. by 8 in.	Office Supply Storeroom, Urbana, and Chicago Colleges and Divisions	Acro-Adroit, Inc., Chicago	6 592 00 f.o.b. delivered
The above are for Office Supply Storeroom and for the Chicago Medical Center Campus and is an estimated ten-to twelve-month supply			
Steel office furniture with option to purchase small odd lot quantities between scheduled shipments, if needed, at the base bid unit prices plus 6 per cent	Office Supply Storeroom	All-Steel Equipment, Inc., Aurora	95 169 52 f.o.b. delivered
Examination booklets, 8½ in. by 11 in. white, faint ruled, 16 lb., No. 4 sulphite bond, as follows: 100,000 sixteen-page 300,000 eight-page 100,000 four-page	Office Supply Storeroom	C. P. Lesh Paper Co., Indianapolis, Ind.	5 785 00 f.o.b. delivered
One paper cutter, 42-in. capacity from back gauge to knife, complete with standard accessories, six cutting knives, electric motors and controls less credit for trade-in of one 33-in. capacity paper cutter; the supplier will be responsible for removal of the trade-in cutter and for the installation of the new paper cutter	Office Supply Storeroom	Schimanek International, Inc., Chicago	6 450 00 f.o.b. delivered and installed
One duplicator, offset, with maximum copy area of 9½ in. by 13 in., equipped with work organizer, flexible light fixture, jogger, and quick change card magazine	Public Information	Maginn Office Equipment Co., Champaign	2 982 00 f.o.b. delivered and installed

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

#### THE COMPTROLLER'S REPORT OF CONTRACTS

(13) The Comptroller's report of contracts executed during the period October 1 to 31, 1962.

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
Hoffman-LaRoche, Inc.	Factors influencing the vitamin A nutrition of cattle, sheep, and laboratory animals	\$ 3 000 00	October 5, 1962
State of Illinois Department of Mental Health Project 17-106	Chromosomal abnormalities in mental retardation	19 479 00	July 5, 1962
State of Illinois Department of Mental Health Project 17-121	Residency training in psychiatry	55 321 00	July 5, 1962
University of Virginia (Task order under Nonr-3623 (S-6))	Statistical properties of two-phase flow	27 000 00	October 1, 1962
<i>Total</i>		<u>\$104 800 00</u>	

**Leases**

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid by the University</i>	<i>Effective Date</i>
International Business Machines Corp.	Four keypunches	\$ 288 00 (per year)	September 20, 1962

**Contract Changes**

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
Rohm and Haas Co. (under its prime contract with United States Army)	Stress problems for solid propellant rockets	\$ 4 500 00	September 15, 1962
United States Air Force AF 18 (600) 662	Electronic properties of nonmetallic crystals	3 574 83	August 23, 1962
United States Air Force AF 33 (616) 8177	Deformation and fracture of crystalline solids under dynamic loading	9 866 00	September 17, 1962
United States Army DA 49-193-MD-2212	Anti-radiation drugs	19 639 00	August 6, 1962
United States Atomic Energy Commission AT (11-1) 691	Radioactive chemistry and chemical kinetics	63 961 00	September 26, 1962
United States Atomic Energy Commission AT (11-1) 1195	Elementary particle physics	70 000 00	October 12, 1962
United States Atomic Energy Commission AT (11-1) 1198	Use charge for portion of Materials Research Laboratory used in commission supported research	195 797 00	October 9, 1962
United States Navy NBy-24976	Welding procedures, including pre-heating and stress-relieving	15 000 00	October 2, 1962
United States Navy NObs-86112	Pressure vessel design	20 000 00	September 24, 1962
United States Navy Nonr 1834(12)	Properties of insulating solids	24 000 00	September 1, 1962
United States Navy Nonr 1834(18)	Variety of topics in number theory	20 000 00	August 15, 1962
United States Navy Nonr 1834 (30)	Mechanism of halophilism in bacteria	6 000 00	August 8, 1962
United States Navy Nonr 1834 (38)	Dependence of dielectric properties on crystal structures, chemical composition, and defect concentration	30 000 00	August 20, 1962
<i>Total</i>		<u>\$482 337 83</u>	

**Adjustments Made in 1961-62 Cost-Plus Contracts**

<i>With Whom</i>	<i>Purpose</i>	<i>Amount</i>	<i>Date</i>
E. T. Drewitch (Plastering)	Fourteen items: \$79.36 deduct to \$532.19	\$ 1 302 95	September, 1962

This report was received for record.

**QUARTERLY REPORT OF THE COMPTROLLER**

(14) The Comptroller presented his quarterly report to the Board as of September 30, 1962.

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

**INVESTMENT REPORT****Report of the Finance Committee**

(15) Mr. Williamson, for the Finance Committee, reported the following changes in investments of trust funds from April 1 through September 30, 1962:

*Endowment Pool*

## Sale

\$ 5 000	Chicago, Illinois, Electric Light	3¼ per cent	1/1/70	\$	5 128 50
3 000	Ashland Oil and Refining SF	3½	9/1/71		2 872 50
5 000	Chicago Park District	3½	11/1/71		5 247 50
5 000	Dallas SD, Texas	3.10	12/1/73		5 078 00
1 000	Rheem Manufacturing SF	3⅞	8/1/75		846 73
5 000	Adrian SD, Michigan	2¾	6/1/81		4 432 50
200 shares	Bethlehem Steel common stock				8 241 89
114 shares	Borden Company common stock				7 296 61
75 shares	Borg Warner common stock				2 985 39
110 shares	Iowa-Illinois Gas and Electric common stock				5 409 46
15 shares	Northern Illinois Gas Company common stock				933 88
200 shares	Pillsbury Company common stock				9 153 87
60 shares	Public Service Company of Colorado common stock				5 659 99
134 shares	Shell Oil Company common stock				5 029 72
150 shares	Union Pacific Railroad common stock				4 618 07
50 shares	William Wrigley, Jr., Company common stock				5 979 44

## Exchange

\$ 4 000	U. S. Treasury bonds	2¼ per cent	6/15/62 for		
4 000	U. S. Treasury certificates	3¼	5/15/63.		
4 000	U. S. Treasury certificates	3¼	5/15/63 for		
4 000	U. S. Treasury notes	3¾	8/15/67.		

## Purchase

\$28 000	Aluminum Company of America	4¼ per cent	1/1/82	\$	28 292 68
150 shares	Ford Motor Company common stock				14 126 29
400 shares	Northern States Power common stock				13 819 37
150 shares	Quaker Oats Company common stock				12 359 68
250 shares	Standard Oil Company of Indiana common stock				11 662 75

*Cole Living Trust*

## Purchase

\$2 000	Spokane SD, Washington	3 per cent	4/1/85-72	\$	1 844 72
---------	---------------------------	------------	-----------	----	----------

*Dennis Children*

## Exchange

\$2 000	U. S. Treasury bonds	2¼ per cent	6/15/62 for		
2 000	U. S. Treasury certificates	3¼	5/15/63.		

*Duke*

## Purchase

\$6 000	U. S. Treasury certificates	3½ per cent	2/15/63	\$	6 041 25
---------	--------------------------------	-------------	---------	----	----------

*Matula Oral Biochemistry*

## Purchase

\$1 000	Aluminum Company of America	4¼ per cent	1/1/82	\$	1 005 00
---------	--------------------------------	-------------	--------	----	----------

*Merck and Company Lectures*

## Sale

\$1 000	U. S. Treasury notes	4 per cent	5/15/63	\$	1 006 88
---------	----------------------	------------	---------	----	----------

*Miller*

## Sale

600 shares	Tampa Electric common stock			\$	20 947 05
------------	-----------------------------	--	--	----	-----------

*Chicago — City of Chicago Escrow*

Exchange			
\$178 000	U. S. Treasury notes	3¼ per cent	8/15/62 for
178 000	U. S. Treasury certificates	3½	8/15/63.

**Report of the Comptroller**

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

*Current Funds*

## Restricted Group (June 20, 1962)

Exchange			
\$1 000 000	U. S. Treasury notes	4 per cent	5/15/62 for
1 000 000	U. S. Treasury certificates	3¼	5/15/63.
Deposit			
\$2 000 000	Continental Illinois National Bank special account		\$2 000 000 00
2 000 000	First National Bank of Chicago special account		2 000 000 00
1 000 000	Harris Trust and Savings Bank special account		1 000 000 00
Purchase			
\$ 100 000	CIT Financial Corporation notes	1/28/63	\$ 98 116 32
200 000	General Motors Acceptance Corporation notes	1/28/63	196 232 64
300 000	General Motors Acceptance Corporation notes	4/16/63	292 687 50
200 000	Sears, Roebuck Acceptance Corporation notes	1/28/63	196 232 64
200 000	Sears, Roebuck Acceptance Corporation notes	4/16/63	195 125 00
1 700 000	U. S. Treasury bills	5/31/62	1 693 283 06
2 500 000	U. S. Treasury bills	6/21/62	2 497 066 67
700 000	U. S. Treasury bills	6/28/62	697 569 45
700 000	U. S. Treasury bills	7/19/62	694 620 89
1 700 000	U. S. Treasury bills	8/2/62	1 691 265 34
750 000	U. S. Treasury bills	8/30/62	749 265 00
1 500 000	U. S. Treasury bills	9/27/62	1 498 926 67
600 000	U. S. Treasury bills	10/15/62	598 873 33
1 500 000	U. S. Treasury bills	11/1/62	1 495 198 33
1 000 000	U. S. Treasury certificates	3½ per cent 8/15/62	1 000 000 00

*Construction Funds*

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

Purchase			
\$100 000	U. S. Treasury bills	8/9/62	\$ 99 313 00

## Housing Revenue Bonds of 1958 (December 17, 1958, and March 12, 1959)

Purchase			
\$ 9 000	U. S. Treasury bills	6/21/62	\$ 8 963 88
9 000	U. S. Treasury bills	7/15/62	8 987 08
17 000	U. S. Treasury bills	8/2/62	16 876 90
10 000	U. S. Treasury bills	8/23/62	9 976 72
10 000	U. S. Treasury bills	10/4/62	9 956 57
10 000	U. S. Treasury bills	10/15/62	9 981 94
4 000	U. S. Treasury bills	10/18/62	3 978 51

## Graduate Housing (June 23, 1959)

Purchase			
\$ 12 000	U. S. Treasury bills	6/28/62	\$ 11 943 72

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

## Purchase

\$390 000	U. S. Treasury bills	9/13/62	\$ 386 199 21
309 000	U. S. Treasury bills	10/15/62	305 513 53
318 000	U. S. Treasury bills	11/15/62	314 310 40
380 000	U. S. Treasury bills	12/13/62	375 622 61
834 000	U. S. Treasury bills	1/15/63	823 576 85
260 000	U. S. Treasury bills	2/14/63	256 921 60

## Peabody Drive (October 21, 1959)

## Sale

\$ 60 000	U. S. Treasury bills	4/15/62	\$ 59 950 13
-----------	----------------------	---------	--------------

## Purchase

\$173 000	U. S. Treasury bills	7/15/62	\$ 172 187 02
320 000	U. S. Treasury bills	8/16/62	318 928 80
310 000	U. S. Treasury bills	9/20/62	309 216 39
50 000	U. S. Treasury bills	10/15/62	49 925 92
248 000	U. S. Treasury bills	11/15/62	247 032 80

## Orchard Downs (June 14, 1960)

## Sale

\$120 000	U. S. Treasury notes	3 $\frac{1}{4}$ per cent	8/15/62	\$ 120 143 75
-----------	----------------------	--------------------------	---------	---------------

## Purchase

\$ 75 000	U. S. Treasury bills	5/10/62	\$ 74 874 46
35 000	U. S. Treasury bills	6/7/62	34 936 48
40 000	U. S. Treasury bills	6/22/62	39 882 87
40 000	U. S. Treasury bills	7/15/62	39 905 00
20 000	U. S. Treasury bills	7/19/62	19 943 06
27 000	U. S. Treasury bills	9/13/62	26 890 80
255 000	U. S. Treasury bills	9/20/62	254 440 06
280 000	U. S. Treasury bills	10/25/62	279 292 22

## Illini Union and Health Center (December 21, 1960)

## Sale

\$2 571 000	U. S. Treasury certificates	3 $\frac{1}{4}$ per cent	5/15/63	\$2 574 213 75
-------------	-----------------------------	--------------------------	---------	----------------

## Exchange

\$ 811 000	U. S. Treasury notes	4 per cent	5/15/62 and
1 760 000	U. S. Treasury bonds	2 $\frac{1}{4}$	6/15/62 for
2 571 000	U. S. Treasury certificates	3 $\frac{1}{4}$	5/15/63.

## Purchase

\$310 000	U. S. Treasury bills	6/14/62	\$ 309 514 33
610 000	U. S. Treasury bills	9/13/62	604 716 25
340 000	U. S. Treasury bills	10/15/62	336 265 38
840 000	U. S. Treasury bills	11/15/62	828 578 34
285 000	U. S. Treasury bills	11/29/62	281 294 52
194 000	U. S. Treasury bills	12/6/62	192 617 10
162 000	U. S. Treasury bills	12/13/62	160 123 73
290 000	U. S. Treasury bills	1/15/63	286 530 63
365 000	U. S. Treasury bills	2/14/63	360 708 41

## Student Services (May 17, 1961)

## Sale

\$ 53 000	U. S. Treasury bonds	2 $\frac{1}{4}$ per cent	6/15/62	\$ 53 490 23
40 000	U. S. Treasury bills		9/13/62	39 694 76
235 000	U. S. Treasury certificates	3 $\frac{1}{4}$	5/15/63	235 308 97

## Exchange

\$ 75 000	U. S. Treasury bonds	2 $\frac{1}{4}$ per cent	6/15/62 and
160 000	U. S. Treasury certificates	3	5/15/62 for
235 000	U. S. Treasury certificates	3 $\frac{1}{4}$	5/15/63.

Purchase					
\$ 60 000	U. S. Treasury bills		4/15/62	\$	59 948 20
115 000	U. S. Treasury bills		6/14/62		114 823 67
173 000	U. S. Treasury bills		9/13/62		171 541 74
177 000	U. S. Treasury bills		10/15/62		176 090 82
35 000	U. S. Treasury bills		11/15/62		34 853 70

## Pennsylvania Avenue (June 21, 1961)

Sale					
\$ 47 000	U. S. Treasury bonds	2 $\frac{1}{4}$ per cent	6/15/62	\$	47 434 74
25 000	U. S. Treasury notes	3 $\frac{1}{4}$	8/15/62		25 371 51
818 000	U. S. Treasury certificates	3 $\frac{1}{4}$	5/15/63		818 282 00

Exchange					
\$513 000	U. S. Treasury bonds	2 $\frac{1}{4}$ per cent	6/15/62 and		
260 000	U. S. Treasury notes	4	5/15/62 and		
45 000	U. S. Treasury certificates	3	5/15/62 for		
818 000	U. S. Treasury certificates	3 $\frac{1}{4}$	5/15/63.		

Purchase					
\$500 000	U. S. Treasury bills		6/14/62	\$	499 078 33
325 000	U. S. Treasury bills		9/13/62		322 101 75
215 000	U. S. Treasury bills		10/15/62		213 062 43
650 000	U. S. Treasury bills		10/18/62		646 860 50
190 000	U. S. Treasury bills		11/15/62		188 969 25
20 000	U. S. Treasury bills		12/13/62		19 872 50

## Orchard Downs Addition (May 24, 1962)

Purchase					
\$ 40 000	U. S. Treasury bills		7/19/62	\$	39 886 11
170 000	U. S. Treasury bills		8/16/62		169 369 87
35 000	U. S. Treasury bills		8/30/62		34 898 40
140 000	U. S. Treasury bills		9/13/62		139 172 44
130 000	U. S. Treasury bills		10/11/62		128 955 96
140 000	U. S. Treasury bills		11/15/62		138 491 85
110 000	U. S. Treasury bills		12/13/62		108 561 02
90 000	U. S. Treasury bills		1/15/63		88 570 00
180 000	U. S. Treasury notes	3 $\frac{1}{4}$ per cent	2/15/63		180 281 25
100 000	U. S. Treasury bills		4/15/63		97 631 67
40 000	U. S. Treasury bills		3/14/63		39 436 80
300 000	U. S. Treasury notes	3 $\frac{1}{4}$	5/15/63		300 468 75
540 000	U. S. Treasury bonds	2 $\frac{1}{2}$	8/15/63		536 962 50
46 000	U. S. Treasury notes	4 $\frac{7}{8}$	11/15/63		47 063 75

*Sinking Funds*

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

Exchange					
\$194 000	U. S. Treasury bonds	2 $\frac{1}{4}$ per cent	6/15/62 for		
194 000	U. S. Treasury notes	3 $\frac{5}{8}$	2/15/66.		

Purchase					
\$ 3 000	U. S. Treasury notes	3 $\frac{5}{8}$ per cent	2/15/66	\$	3 020 63

## Dormitory Revenue Bonds of 1956 (March 23, 1956)

Purchase					
\$ 34 000	U. S. Treasury bonds	2 $\frac{1}{2}$ per cent	8/15/63	\$	33 789 06
46 000	U. S. Treasury bills		9/21/62		45 900 18
5 500	U. S. Treasury bonds	3	2/15/64		5 477 66

## Women's Residence Halls of 1956 (September 18, 1956)

Purchase					
\$ 92 000	U. S. Treasury bills		9/21/62	\$	91 800 36
4 000	U. S. Treasury bonds	2 $\frac{1}{2}$ per cent	8/15/63		3 981 25
36 000	U. S. Treasury bonds	3	2/15/64		35 853 75
45 000	U. S. Treasury notes	5	8/15/64		46 392 19

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

## Purchase

\$120 000	U. S. Treasury bills	9/21/62	\$ 119 734 43
57 000	U. S. Treasury certificates	3½ per cent 2/15/63	57 148 60
118 000	U. S. Treasury bonds	2½ 8/15/63	117 225 63
30 000	U. S. Treasury bonds	3 2/15/64	29 878 13

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

## Sale

\$ 91 000	U. S. Treasury bills	2/7/63	\$ 90 031 76
-----------	----------------------	--------	--------------

## Purchase

\$454 000	U. S. Treasury bills	9/20/62	\$ 452 886 72
39 000	U. S. Treasury bills	9/21/62	38 757 81
518 000	U. S. Treasury bills	2/7/63	510 808 44
39 000	U. S. Treasury notes	3¼ per cent 2/15/63	39 060 94
35 500	U. S. Treasury bonds	2½ 8/15/63	35 267 03

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

## Purchase

\$ 24 000	U. S. Treasury bills	9/21/62	\$ 23 723 17
-----------	----------------------	---------	--------------

## Illini Union and Health Center (December 21, 1960)

## Purchase

\$157 000	U. S. Treasury bills	9/21/62	\$ 155 486 79
-----------	----------------------	---------	---------------

## Student Services (May 17, 1961)

## Purchase

\$ 27 000	U. S. Treasury bills	9/21/62	\$ 26 932 29
-----------	----------------------	---------	--------------

On motion of Mr. Williamson, the Committee's actions were confirmed, and the report was received for record.

#### EXTENSION OF CONTRACT WITH THE ATOMIC ENERGY COMMISSION

(16) On April 1, 1961, a contract was entered into with the Atomic Energy Commission for a research program, "Studies of Pattern Recognition and Data Handling Problems Arising in the Analysis of Bubble Chamber Photographs of High Energy Particle Events." The research work has been conducted in the Digital Computer Laboratory. The original contract was for an eight-month period, and provided payments to the University not to exceed \$99,743. Subsequently, the contract was amended to provide additional funds of \$223,034 for continuation of the research program through November 30, 1962.

A proposal has now been prepared requesting a total of \$978,109 of additional funds for a two-year period beginning December 1, 1962. The amended contract will provide for the purchase of equipment at an estimated total cost of \$558,940, which is required for assembling auxiliary units for the Digital Computer.

This proposal has been approved by all recommending officers in the Digital Computer Laboratory, the Graduate College, and by the Vice-President and Comptroller. Because of the amount of funds being requested, including funds for capital expenditures, approval must also be secured from the Illinois Board of Higher Education.

On motion of Mr. Swain, this proposal was authorized.

#### ASSOCIATION OF GOVERNING BOARDS OF STATE UNIVERSITIES AND ALLIED INSTITUTIONS

Mrs. Frances B. Watkins and Mr. A. J. Janata reported informally on the annual meeting of the Association of Governing Boards of State Universities and Allied Institutions at the University of Michigan, October 9-13, 1962, which they attended as official delegates of the Board of Trustees of the University of Illinois.



#### REPORT ON STUDENT HOUSING

Mr. V. L. Kretschmer, Director of Auxiliary Services, reported on current housing capacities for students at Urbana-Champaign in relation to the enrollment for the first semester of 1962-63. A copy of his report has been filed with the Secretary for record.

#### FIXED-BASE OPERATION AT UNIVERSITY OF ILLINOIS-WILLARD AIRPORT

President Clement reported he has received a request from Astro, Inc. — Aeronautical Sales, Training, and Research Organization — of Champaign, for a hearing on its application to the University for establishment of a fixed-base operation at the University of Illinois-Willard Airport. Mr. Clement stated that he will refer this request to the Committee on Buildings and Grounds for a hearing.

#### INSPECTION OF NEW BUILDINGS

The Secretary reported that Mrs. Watkins, Mr. Dilliard, and Mr. Williamson made an inspection on the afternoon of November 8 of three new buildings recently completed on the Urbana-Champaign campus: Student Services Building, Institute of Labor and Industrial Relations Building, and the Health Services Addition to McKinley Hospital.

#### DEGREES CONFERRED

The Secretary presented for record the list of degrees conferred at Urbana, Illinois, as of October 15, 1962, on recommendation of the Urbana-Champaign Senate, and requested authority to include them in the minutes of October 17, 1962.

On motion of Mr. Dilliard, these degrees were conferred, as recommended, and authority was given as requested.

#### SECRETARY'S REPORTS

The Secretary presented for record the following lists: appointments made by the President; graduate fellows; resignations; leaves of absence.

#### APPOINTMENTS MADE BY THE PRESIDENT

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

- ABBOUD, LOUIS M., Assistant in Pharmacognosy and Pharmacology (Pharmacy), nine months from September 16, 1962, \$4,000 (10-12-62).  
ALBRIGHT, MRS. LORRAINE H., Assistant in Home Economics (C),  $\frac{3}{4}$  time, \$3,675, and Counselor in the Student Counseling Service,  $\frac{1}{4}$  time, \$1,225, nine months from September 16, 1962 (10-12-62).  
ALVAREZ, JULIAN, Research Associate in Biological Chemistry (Medicine), one year from September 1, 1962, \$7,200, supersedes (10-12-62).  
ARAI, MARY N., Visiting Instructor in Physiology and Biophysics, September 16, 1962-January 31, 1963, \$388.88 a month (10-26-62).  
AVIZIENIS, ALDONA, Research Assistant in Microbiology (Medicine), eleven months from October 1, 1962, \$5,200 a year (10-12-62).  
BADGER, VIRGINIA M., Assistant in Orthopaedic Surgery (Medicine), one year from July 1, 1962, without salary (10-1-62).  
BAKER, C. M. ANN, Research Associate in Physiology and Biophysics,  $\frac{1}{2}$  time, one year from September 1, 1962, \$3,900 (10-19-62).  
BAKER, FOREST N., Research Associate in Dairy Science (S), one year from September 1, 1962, \$6,000 (10-12-62).  
BARCELO, RAYMOND, Research Assistant in Medicine (Medicine), one year from September 1, 1962, without salary (9-27-62).

- BARKLEY, MRS. CLARE E., Assistant in Verbal Communication (Division of General Studies), nine months from September 16, 1962, \$4,000 (10-12-62).
- BARRY, DENNIS, Registered Pharmacist in Hospital Pharmacy (Research and Educational Hospitals) (Pharmacy), eleven months from October 1, 1962, \$7,300 a year, supersedes (10-1-62).
- BESS, LEON, Assistant Professor of Physics (Chicago Undergraduate Division), academic year beginning September 1, 1962, \$8,000, supersedes (10-12-62).
- BEZKOROVAINY, ANATOLY, Assistant Professor of Biological Chemistry (Medicine), one year from September 1, 1962, without salary (10-3-62).
- BORASKY, RUBIN, Electron Micrographer in the School of Life Sciences, one year from September 1, 1962, \$10,200, supersedes (10-12-62).
- BROUSSARD, LOUIS, Instructor in English (Chicago Undergraduate Division), academic year beginning September 1, 1962, \$6,600 (10-12-62).
- BRYANT, ROBERT E., Instructor in Dentistry,  $\frac{3}{4}$  time, one year from September 1, 1962, \$4,650, supersedes (10-2-62).
- BUNGERT, WILLIAM C., Research Associate in Education (University High School), academic year beginning September 1, 1962, \$6,600 (10-12-62).
- CALENOFF, LEONID, Instructor in Radiology (Medicine),  $\frac{3}{4}$  time, eleven months from October 1, 1962, \$7,200 a year, supersedes (10-1-62).
- CAPORAL, MARY L., Program Supervisor, Women's Intramurals (College of Physical Education),  $\frac{1}{2}$  time, nine months from September 16, 1962, \$2,000 (10-12-62).
- CHAN, KWING-SEUNG, Research Associate in Chemistry, October 15, 1962-August 31, 1963, \$6,000 a year (10-16-62).
- CHENOWETH, MRS. LYNN I. W., Assistant in Nursing, eleven months from October 1, 1962, \$5,500 a year (10-23-62).
- CHIU, REN-JONG, Research Associate in Botany, October 16, 1962-August 31, 1963, \$7,000 a year (10-12-62).
- CHURCHICH, JORGE E., Research Associate in Chemistry, one year from September 1, 1962, \$8,070, supersedes (10-12-62).
- CLARK, MRS. ARDATH M., Assistant in English, nine months from September 16, 1962, \$4,000 (10-12-62).
- CLARK, JOHN M., JR., Assistant Professor of Biological Chemistry, academic year beginning September 1, 1962, \$8,000 (10-12-62).
- CLARK, SHIRLEY A., Instructor in Home Economics (C and S), one year from September 1, 1962, \$6,100 (10-12-62).
- COX, GEORGE, Research Associate in Biological Chemistry (Medicine), September 10, 1962-August 31, 1963, \$7,500 a year (10-12-62).
- CRANDALL, (MR.) CORYL, Assistant in English, September 16, 1962-January 31, 1963, \$466.67 a month, supersedes (10-12-62).
- DEANESLY, MARGARET, Assistant in Medicine (Medicine), one year from July 1, 1962, without salary (10-1-62).
- DEJONG, GEORGE A., Clinical Associate in Medicine (Medicine), one year from September 1, 1962, without salary (10-3-62).
- DEN OUDEN, GERRIT, Research Associate in Physics (C), eleven months from October 1, 1962, \$7,500 a year, supersedes (10-12-62).
- DEPEYSTER, FREDERIC A., Clinical Associate Professor of Surgery (Medicine), indefinite tenure from September 1, 1962, without salary (10-12-62).
- DIMMITT, DONALD P., Instructor in Art (Chicago Undergraduate Division), academic year beginning September 1, 1962, \$6,000 (10-12-62).
- DOUGHTY, CLYDE, Assistant Professor of Biological Chemistry (Medicine), September 15, 1962-August 31, 1963, \$10,700 a year (10-12-62).
- DUTTA, TUSHAR RANJAN, Visiting Instructor in Biological Sciences (Chicago Undergraduate Division), nine months from September 16, 1962, \$5,800 (10-12-62).
- ECHOLS, HARVEY L., Research Assistant in Preventive Medicine (Medicine), eleven months from October 1, 1962, \$7,135 a year, supersedes (10-12-62).
- ECKNER, FRIEDRICH A. O., Lecturer in Pathology with rank of Clinical Instructor (Medicine), one year from September 1, 1962, without salary (8-8-62).
- ERICKSON, DUANE E., Assistant Professor of Farm Management (Agricultural Economics) (E and S), eleven months from October 1, 1962, \$9,000 a year (10-12-62).
- ERLENBORN, JAMES W., Clinical Assistant in Medicine (Medicine), one year from September 1, 1962, without salary (10-1-62).

- ERWIN, JOSEPH C., Assistant Professor of Pathology (Medicine),  $\frac{1}{2}$  time, one year from September 1, 1962, \$9,000, supersedes nonsalaried appointment (10-12-62).
- EVANSON, LEONARD, Instructor in Applied Materia Medica and Therapeutics (Dentistry),  $\frac{1}{2}$  time, September 17, 1962-August 31, 1963, \$3,750 a year (10-12-62).
- FAGELSON, DAVID L., Clinical Assistant in Otolaryngology (Medicine), one year from September 1, 1962, without salary (8-8-62).
- FASHING, EDWARD M., Assistant in Chemistry (Chicago Undergraduate Division), nine months from September 16, 1962, \$4,800 (10-12-62).
- FEJFAR, JAMES L., Assistant in Education,  $\frac{1}{2}$  time, and Counselor, University Council on Teacher Education, Teacher Training Counsel,  $\frac{1}{2}$  time, nine months from September 16, 1962, \$4,900, supersedes (10-19-62).
- FOLSON, ANGELA T., Consultant in Psychology, with rank of Assistant Professor, one year from September 1, 1962, without salary (10-23-62).
- FOOTE, BEVERLY D., Research Associate in Chemistry,  $\frac{1}{2}$  time, academic year beginning September 1, 1962, \$3,600 (10-26-62).
- FRIEND, MRS. BEVERLY, Instructor in English (Chicago Undergraduate Division), to render service during the first semester of the academic year, September 1, 1962-January 31, 1963, \$2,600 (10-15-62).
- FULLER, JOHN B., Professor of Clinical Pathology, at the Faculty of Medicine, Chiangmai Hospital, Chiangmai, Thailand, under Contract AID/fe-2, two years from August 16, 1962, \$2,000 a month from August 16-31, 1962 and \$2,050 a month from September 1, 1962-August 15, 1964; and Professor of Pathology and Director of Hospital Laboratories (Medicine), indefinite tenure from August 16, 1964, \$20,500 a year, supersedes (10-12-62).
- GALLACHER, PATRICK J., Research Assistant in English, nine months from September 16, 1962, \$4,000 (10-12-62).
- GAZET, JOHN C., Clinical Instructor in Surgery (Medicine),  $\frac{45}{100}$  time, eleven months from October 1, 1962, \$3,000 a year (10-23-62).
- GDALMAN, LOUIS, Clinical Instructor in Pharmacy (Pharmacy), one year from September 1, 1962, without salary (10-3-62).
- GRIMM, ARTHUR, Assistant Professor of Physiology (Medicine),  $\frac{1}{2}$  time, and of Histology (Dentistry),  $\frac{1}{2}$  time, one year from September 1, 1962, \$9,500, supersedes (10-24-62).
- GYORI, GUSTAVE, Clinical Instructor in Pathology (Medicine), one year from September 1, 1962, without salary (9-14-62).
- HERZ, JANICE R. G., Clinical Instructor in Pediatrics (Medicine), one year from September 1, 1962, without salary (8-29-62).
- HOCHHAUSER, MARTIN, Assistant Professor of Radiology (Medicine),  $\frac{95}{100}$  time, eleven months from October 1, 1962, \$13,775 a year, supersedes (10-1-62).
- HOSEK, JOSEPH J., Instructor in Pathology (Medicine) eleven months from October 1, 1962, \$9,600 a year, supersedes nonsalaried appointment (10-12-62).
- JAMES, EMORY, JR., Research Associate in Biological Chemistry (Medicine), one year from September 1, 1962, \$7,800 (10-12-62).
- KAHN, SHELDON M., Instructor in Medicine (Medicine), one year from July 1, 1962, without salary (8-3-62).
- KAMINSKI, EDWARD F., Instructor in Prosthodontics,  $\frac{1}{2}$  time, and in Fixed Partial Prosthodontics,  $\frac{1}{2}$  time (Dentistry), September 17, 1962-August 31, 1963, \$7,500 a year (10-12-62).
- KELLY, CLYDE B., Assistant in Psychiatry (Medicine), one year from September 1, 1962, without salary (9-27-62).
- KIM, W. S., Research Associate in Biological Chemistry (Medicine), ten months from November 1, 1962, \$7,500 a year (10-12-62).
- KOLB, MRS. DOROTHY, Assistant in German,  $\frac{2}{3}$  time, \$296.44 a month (10-22-62), and in English,  $\frac{1}{3}$  time, \$148.22 a month (10-12-62), September 16, 1962-January 31, 1963, supersedes.
- LAGOUEDES, BASIL E., Assistant in English (Chicago Undergraduate Division), nine months from September 16, 1962, \$4,200 (10-26-62).
- LAVELLE, FAITH W., Research Associate in Anatomy (Medicine),  $\frac{1}{2}$  time, academic year beginning September 1, 1962, \$3,200 (10-24-62).

- LEEF, GERALD S., Instructor in Radiology (Medicine), one year from September 1, 1962, without salary (8-3-62).
- LINDLEY, DANIEL A., JR., Instructor in Education (University High School), academic year beginning September 1, 1962, \$6,500, supersedes (10-12-62).
- LISTON, WILLIAM T., Assistant in English, nine months from September 16, 1962, \$4,200, supersedes (10-12-62).
- LOFTUS, BEVERLY G., Assistant Editor in the Graduate College, October 16, 1962-August 31, 1963, \$6,000 a year (10-16-62).
- MACKLER, HYMAN, Research Associate in Preventive Medicine (Medicine), one year from September 1, 1962, \$10,500 (10-24-62).
- MADRILEJO, NORA G., Assistant in Anesthesiology (Department of Surgery) (Medicine), one year from July 1, 1962, without salary (8-29-62).
- MALTER, RICHARD F., Psychometrist and Assistant in Psychology (Chicago Undergraduate Division), one year from September 1, 1962, \$5,400, supersedes (10-12-62).
- MARCUS, DAVID A., Clinical Instructor in Psychiatry (Medicine), eleven months from October 1, 1962, without salary (10-12-62).
- MARKOVIC, MIHAILO A., Research Associate in Anatomy (Medicine), eleven months from October 1, 1962, \$6,600 a year (10-12-62).
- MARSHALL, WILBUR J., Clinical Assistant Professor of Obstetrics and Gynecology (Medicine), one year from September 1, 1962, without salary (10-3-62).
- MATZ, DETLEE, Research Associate in Physics (C), eleven months from October 1, 1962, \$7,500 a year, supersedes (10-12-62).
- MCELDOWNY, HAROLD, Professor of Architecture and Head of the Department, on indefinite tenure,  $\frac{1}{2}$  time, and Assistant Dean of the College of Fine and Applied Arts, one year,  $\frac{1}{2}$  time, to render service during each academic year from September 1, 1962 (Chicago Undergraduate Division), \$12,650 a year, supersedes (10-12-62).
- McFATE, PATRICIA A., Instructor in Humanities (Chicago Undergraduate Division), academic year beginning September 1, 1962, \$5,200, supersedes (10-12-62).
- McMAHON, VERN A., Assistant in Botany, September 16, 1962-January 31, 1963, \$444.44 a month (10-23-62).
- MERRILL, MARY E., Assistant in English (Division of English for Foreign Students), nine months from September 16, 1962, \$4,000 (10-12-62).
- METZGER, MRS. ERIKA, Instructor in German, September 16, 1962-January 31, 1963, \$4,800 a year (10-24-62).
- MODAI, DAVID, Research Assistant in Medicine (Medicine), July 24, 1962-June 30, 1963, without salary (8-8-62).
- MODE, ELST H., Assistant in Chemistry, September 16, 1962-January 31, 1963, full time, \$2,000, and February 1-June 15, 1963,  $\frac{1}{2}$  time, \$1,000, supersedes (10-24-62).
- MONTGOMERY, CLARK A., Instructor in Medicine (Medicine),  $\frac{4}{5}$  time, one year from September 1, 1962, \$6,135, supersedes (10-23-62).
- MURRAY, ELLIOTT C., Instructor in Psychiatry (Medicine), July 1, 1962-August 31, 1963, without salary (8-29-62).
- NAGATA, TETSUJI, Research Assistant in Physiology and Biophysics, one year from October 1, 1962, \$5,400 (10-23-62).
- NEWMAN, WILLIAM H., Clinical Instructor in Orthopaedic Surgery (Medicine), one year from September 1, 1962, without salary (10-12-62).
- NORSEN, JEANETTE, Research Assistant in Preventive Medicine (Medicine), one year from September 1, 1962, \$6,200 (10-12-62).
- NORTON, ROBERT H., Research Assistant in Pharmacognosy and Pharmacology (Pharmacy), October 15, 1962-August 31, 1963, \$5,700 a year (10-26-62).
- NOVAK, RICHARD F., Clinical Instructor in Pathology (Medicine), one year from September 1, 1962, without salary (8-29-62).
- PARKS, JOE M., Instructor in Chemistry,  $\frac{1}{2}$  time, to render service during the first semester of the academic year, September 16, 1962-January 31, 1963, \$1,800; this is in addition to his appointment as United States Public Health Postdoctoral Fellow in Chemistry (10-12-62).
- PATTERSON, VIRGINIA N., Assistant Professor of Radiology (Medicine), 95/100 time, eleven months from October 1, 1962, \$13,775 a year, supersedes (10-1-62).

- PAUL, M., Research Associate in the Digital Computer Laboratory, four months from October 1, 1962, \$3,200 (10-12-62).
- PIETROKOVSKI, JAIME, Research Assistant in Pedodontics (Dentistry), one year from September 1, 1962, \$6,000 (10-12-62).
- PLOGGE, JAMES C., Professor of Anatomy (Medicine), 4/10 time, \$6,400 a year, and Coordinator, University of Illinois Chiangmai Project (AID Thailand) No. 2-46-33-01-3-16, 6/10 time, \$9,600, one year from September 1, 1962; and Professor of Anatomy (Medicine), on indefinite tenure from September 1, 1963, \$16,000 a year, supersedes (10-12-62).
- PULLIAM, WILLIAM E., Assistant in Education (University High School), nine months from September 16, 1962, \$5,400, supersedes (10-12-62).
- REED, MRS. BARBARA L., Lecturer in Recreation and Municipal Park Administration (College of Physical Education), to render service during the first semester of the academic year, September 1, 1962-February 28, 1963, without salary, supersedes nonacademic appointment (10-12-62).
- REGIER, CHARLOTTE L., Instructor in Medical Social Work (Medicine), eleven months from October 1, 1962, \$7,000 a year (10-12-62).
- REYNOLDS, HARRY A., Instructor in Veterinary Pathology and Hygiene (College of Veterinary Medicine), one year from September 1, 1962, \$9,000 (10-12-62).
- RICHARTZ, LEON E., Assistant Professor in the Graduate School of Business Administration (College of Commerce and Business Administration), ten months from November 1, 1962, to render service during the academic year, \$8,000 a year, supersedes (10-19-62).
- ROTHMAN, ROBERT J., Assistant in Orthopaedic Surgery (Medicine), one year from July 1, 1962, without salary (10-1-62).
- RUOSS, MARJORIE, Assistant in Nursing, eleven months from October 1, 1962, \$5,500 a year (10-23-62).
- RUSS, DONALD R., Associate Professor of Pathology, on indefinite tenure, and Acting Director of Hospital Laboratories (Medicine), one year from September 1, 1962, \$18,000 a year, supersedes (10-12-62).
- SANKARAN, BALU, Research Associate in Orthopaedic Surgery (Medicine), nine months from July 1, 1962, without salary (9-4-62).
- SCHACHT, SYLVIA N., Assistant in English, September 16, 1962-January 31, 1963, \$444.44 a month (10-12-62).
- SELANDER, RICHARD B., Associate Professor of Entomology, August 16-31, 1962, \$455.55; this is in addition to his previous appointment (10-12-62).
- SEVASTIKOGLU, JOHN A., Research Associate in Orthopaedic Surgery (Medicine), eleven months from October 1, 1962, without salary (10-12-62).
- SHAPIRO, JULES S., Assistant in Orthopaedic Surgery (Medicine), one year from July 1, 1962, without salary (10-1-62).
- SHEKELLE, RICHARD B., Research Associate in Psychiatry (Medicine), eleven months from October 1, 1962, \$9,500 a year, supersedes (10-12-62).
- SHERMAN, MARILYN J., Assistant in Education (University High School), nine months from September 16, 1962, \$5,400 (10-12-62).
- SHUMAN, FRANK H., Foreign Visitor's Consultant and Agricultural Extension Specialist, in the International Cooperation Programs (Executive Vice-President and Provost's Office), for service under Contract ICAC-1453 in Region I, Jabalpur, M.P., India, November 1, 1962-October 31, 1964, \$14,665 a year (10-24-62).
- SINHA, RAMESH C., Research Associate in Botany, one year from September 1, 1962, \$7,000, supersedes (10-12-62).
- SMITH, GEORGE H., JR., Instructor in Social Sciences (Chicago Undergraduate Division), 9/10 time, academic year beginning September 1, 1962, \$5,400, supersedes (10-12-62).
- SPENCER, JOE D., Research Assistant in Botany, one year from September 1, 1962, \$4,900 (10-23-62).
- STARSHAK, THOMAS J., Clinical Instructor in Oral and Maxillofacial Surgery (Dentistry) and in Surgery (Medicine), one year from September 1, 1962, without salary (8-29-62).
- STEARNS, MRS. CAROLE M., Instructor in Chemistry (Chicago Undergraduate Division), academic year beginning September 1, 1962, \$6,600 (10-12-62).
- STREHL, FRANCIS W., Clinical Assistant Professor of Surgery (Medicine),  $\frac{2}{3}$  time, one year from September 1, 1962, \$3,300 (10-2-62).

- STRIMLING, MURTON D., Instructor in Radiology (Medicine), one year from September 1, 1962, without salary (8-3-62).
- SULLIVAN, FRANK V., Instructor in Education (University High School),  $\frac{1}{2}$  time, and in Industrial Education,  $\frac{1}{2}$  time, academic year beginning September 1, 1962, \$5,200 (10-15-62).
- SWANSON, DAVID W., Clinical Instructor in Psychiatry (Medicine), August 1, 1962-August 31, 1963, without salary (8-29-62).
- TAUBMAN, JOANNE H., Clinical Instructor in Medicine (Medicine), August 15, 1962-August 31, 1963, without salary (8-29-62).
- TAYLOR, RICHARD P., Assistant in Radiology (Medicine), one year from September 1, 1962, without salary (8-8-62).
- TITCHENER, EDWARD B., Assistant Professor of Biological Chemistry (Medicine), 8/10 time, and Assistant Coordinator under Contract No. AID/fe-2 (Thailand Project), 2/10 time, one year from September 1, 1962, \$10,950, supersedes (10-12-62).
- TOLEDO, FERDINAND, Research Associate in Electrical Engineering (S), eleven months from October 1, 1962, \$7,200 a year, supersedes (10-10-62).
- TRAVA, MARIE F., Assistant in the College of Nursing, one year from September 1, 1962, \$6,000 (10-12-62).
- TREVINO, LUIS, Assistant Professor of Pediatrics (Medicine) and in the Division of Services for Crippled Children, 7/10 time, one year from September 1, 1962, \$6,300 (10-12-62).
- TRUPIN, JOEL S., Assistant in Dairy Science (C and S), one year from September 1, 1962, \$5,200 (10-12-62).
- TURCK, MARVIN, Assistant in Medicine (Medicine), one year from July 1, 1962, without salary (8-29-62).
- TYROLER, ROBERT L., Research Associate in Psychiatry (Medicine),  $\frac{1}{2}$  time, one year from September 1, 1962, \$4,000 (10-12-62).
- VANNUYS, JOHN D., Clinical Assistant in Otolaryngology (Medicine), one year from September 1, 1962, without salary (8-8-62).
- VAUGHAN, H. E., Professor of Mathematics, academic year beginning September 1, 1962, \$14,000; and from September 1, 1963, on indefinite tenure, to render service during each academic year, \$12,500 a year, supersedes (10-24-62).
- WALLEY, JOHN E., Associate Professor of Art, on indefinite tenure, and Acting Head of the Department (Chicago Undergraduate Division), one year, to render service during each academic year, beginning September 1, 1962, \$10,300 a year, supersedes (10-12-62).
- WEI, LUN-SHIN, Research Associate in Food Technology (S), one year from September 1, 1962, \$7,500, supersedes (9-7-62).
- WIECZOREK, CASIMER, Assistant Chief Pharmacist in Hospital Pharmacy (Pharmacy), eleven months from October 1, 1962, \$7,700 a year, supersedes (10-2-62).
- WIEHLE, H. R., Visiting Research Associate in the Digital Computer Laboratory, four months from October 1, 1962, \$3,200 (10-12-62).
- WILLIS, EDWARD, Research Assistant in Plant Pathology (S), eleven months from October 1, 1962, \$5,600 a year, supersedes (10-12-62).
- WILSON, ROBERT G., Registered Pharmacist in Hospital Pharmacy (Pharmacy),  $\frac{1}{2}$  time, two months from October 1, 1962, \$308.34 a month, supersedes (10-12-62).
- WINZLER, RICHARD J., Professor of Biological Chemistry, at the Faculty of Medicine, Chiengmai Hospital, Chiengmai, Thailand, under Contract AID/fe-2, three months from August 16, 1962, \$2,100 a month from August 16-31, 1962, and \$2,175 a month September 1-November 15, 1962; and Professor of Biological Chemistry (Medicine), on indefinite tenure from November 16, 1962, \$21,750 a year, supersedes (10-12-62).
- WYATT, MARIE G., Assistant in Education (University High School), nine months from September 16, 1962, \$5,400, supersedes (10-12-62).

#### GRADUATE 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, one year from September 1, 1962, \$2,700 (9-19-62).

- ALLERHAND, ADAM, Postdoctorate Fellow in Chemistry, one year from December 1, 1962, \$5,500, supersedes (10-16-62).
- ARONSON, NEIL, Part-Time Medical Student Research Fellow in Pediatrics, nine months from September 16, 1962, \$600 (9-27-62).
- ATKINS, GLADYS, United States Public Health Service Fellow in Physiology, one year from September 16, 1962, \$2,000 (10-1-62).
- BLAIN, CHARLOTTE M., Part-Time Medical Student Research Fellow in Anatomy, nine months from September 16, 1962, \$600 (9-27-62).
- BRUMLEY, LYLE E., United States Public Health Service Fellow (Trainee) in Anatomy, September 16, 1962-June 30, 1963, without salary, supersedes (9-26-62).
- CARBON, MICHAEL, Part-Time Medical Student Research Fellow in Medicine, nine months from September 16, 1962, \$600 (9-27-62).
- CARLSON, RUSSELL, Part-Time Medical Student Research Fellow in Anatomy, nine months from September 16, 1962, \$600 (9-26-62).
- CAVE, MAC DONALD, United States Public Health Service Fellow (Trainee) in Anatomy, one year from September 1, 1962, \$2,340 (9-6-62).
- CHAMBERS, MRS. HAZEL M., Fellow in Sociology, nine months from September 16, 1962, \$1,500, and two months from June 15, 1963, \$375, supersedes (10-15-62).
- DIAB, ISHAN M., United States Public Health Service Fellow (Trainee) in Pharmacology, one year from September 1, 1962, \$2,700 (9-21-62).
- DUERINCK, WAYNE, United States Public Health Service Fellow (Trainee) in Physiology, September 1, 1962-June 8, 1963, \$1,425 (9-21-62).
- EISENBERG, SARA, United States Public Health Service Fellow (Trainee) in Anatomy, one year from September 1, 1962, \$2,520 (9-27-62).
- ESTOLAS, JOSEFINA V., Letitia Walsh Fellow in Home Economics Education, nine months from September 16, 1962, \$2,000 (10-5-62).
- FALK, BARBARA M., United States Public Health Service Fellow (Trainee) in Anatomy, one year from September 1, 1962, \$2,040 (9-17-62).
- FISCHINGER, PETER, Part-Time Medical Student Research Fellow in Microbiology, nine months from September 16, 1962, \$600 (9-26-62).
- FRIEDMAN, ROBERT, United States Public Health Service Fellow (Trainee) in Biological Chemistry, September 16, 1962-June 30, 1963, \$1,820.77 (9-26-62).
- FRIEDMAN, THEODORE A., Part-Time Medical Student Research Fellow in Physiology, nine months from September 16, 1962, \$600 (9-27-62).
- GANTT, RALPH R., United States Public Health Service Fellow (Trainee) in Biological Chemistry, nine months from October 1, 1962, \$1,800 (9-26-62).
- GOLDMAN, BARRY, Part-Time Medical Student Research Fellow in Pharmacology, nine months from September 16, 1962, \$600 (9-26-62).
- GORFINKEL, HARVEY J., Part-Time Medical Student Research Fellow in Physiology, nine months from September 16, 1962, \$600 (10-10-62).
- GRESICK, EDWARD W., United States Public Health Service Fellow (Trainee) in Anatomy, September 16, 1962-August 31, 1963, \$1,955 (9-25-62).
- HACHTEL, BARBARA M., United States Public Health Service Fellow (Trainee) in Anatomy, September 16, 1962-August 31, 1963, \$1,955 (9-19-62).
- HELM, FREDERIC C., Part-Time Medical Student Research Fellow in Biological Chemistry, nine months from September 16, 1962, \$600 (9-28-62).
- HOFFMANN, JOAN C., United States Public Health Service Fellow (Trainee) in Physiology, September 16, 1962-June 30, 1963, \$1,900 (9-25-62).
- HOPPER, DOROTHIE M., United States Public Health Service Fellow (Trainee) in Psychiatry (Epilepsy), October 15, 1962-August 31, 1963, \$4,376 (8-29-62).
- JAKSTYS, BIRUTE A., United States Public Health Service Fellow (Trainee) in Anatomy, September 16, 1962-August 31, 1963, \$1,955 (9-19-62).
- JASINSKI, DONALD, Part-Time Medical Student Research Fellow in Pharmacology, nine months from September 16, 1962, \$600 (9-26-62).
- KANT, KENNETH J., United States Public Health Service Fellow (Trainee) in Physiology and Biophysics, nine months from September 16, 1962, \$1,999.44 (10-9-62).
- KAUFFMAN, FREDERICK, United States Public Health Service Fellow (Trainee) in Pharmacology, one year from September 1, 1962, \$2,900 (8-10-62).
- KODAMA, ROBERT, United States Public Health Service Fellow (Trainee) in Physiology, September 16, 1962-June 30, 1963, \$1,425 (9-25-62).

- LANDES, ROBERT C., United States Public Health Service Fellow (Trainee) in Physiology, September 1, 1962-June 8, 1963, \$1,425 (9-25-62).
- LARK, RICHARD G., United States Public Health Service Fellow (Trainee) in Anatomy, September 16, 1962-June 30, 1963, without salary (9-17-62).
- LAWTON, IRENE, United States Public Health Service Fellow (Trainee) in Physiology, September 1, 1962-June 8, 1963, \$1,425 (9-25-62).
- LEE, JOSEPH, United States Public Health Service Fellow (Trainee) in Psychiatry, nine months from September 16, 1962, \$600 (10-10-62).
- LEVIN, ALAN S., Part-Time Medical Student Research Fellow in Biological Chemistry, nine months from September 16, 1962, \$600 (9-26-62).
- LIPSON, LEON, Part-Time Medical Student Research Fellow in Pharmacology, nine months from September 16, 1962, \$600 (9-26-62).
- LOTT, JAMES L., Engineering Faculty Development Research Fellow in Civil Engineering, nine months from September 16, 1962, \$1,285 (9-12-62).
- MANN, WILLIAM S., United States Public Health Service Fellow (Trainee) in Pharmacology, one year from September 1, 1962, \$2,700 (8-27-62).
- MCCLOUD, MRS. MERLINE D., National Science Foundation Institute Fellow in Mathematics, nine months from September 16, 1962, \$1,000 (9-20-62).
- MEDNIEKS, MAIJA I., United States Public Health Service Fellow (Trainee) in Biological Chemistry, September 16, 1962-June 30, 1963, \$1,820.77 (9-26-62).
- MILLER, RAYMOND P., Raymond Concrete Pile Company Fellow in Civil Engineering, October 1, 1962-June 15, 1963, \$1,416.67, supersedes (10-2-62).
- NEIDINGER, JOSEPH, United States Public Health Service Fellow (Trainee) in Physiology, September 16, 1962-June 30, 1963, \$2,216.35 (9-25-62).
- NOZU, KEICHI, Postdoctoral Fellow (Trainee) in Microbiology, two months from November 1, 1962, \$558.33 a month (10-12-62).
- OSMANSKI, C. PAUL, United States Public Health Service Fellow (Trainee) in Dentistry, ten months from September 1, 1962, \$4,583.30 (9-12-62).
- PARKS, JOE M., United States Public Health Service Postdoctoral Fellow in Chemistry, one year from September 1, 1962, \$7,000; this is in addition to his appointment as Instructor in Chemistry on one-half time (10-12-62).
- PREVIC, EDWARD, United States Public Health Service Fellow in Biochemistry, one year from September 1, 1962, \$3,700 (9-25-62).
- PRITCHARD, JAMES D., United States Public Health Service Fellow (Trainee) in Physiology, September 1, 1962-June 8, 1963, \$1,425 (9-25-62).
- RHODES, MITCHELL, Part-Time Medical Student Research Fellow in Physiology, nine months from September 16, 1962, \$600 (9-27-62).
- ROSE, ROGER A., Part-Time Medical Student Research Fellow in Pathology, nine months from September 16, 1962, \$600 (9-26-62).
- ROSENE, GORDON, United States Public Health Service Fellow (Trainee) in Anatomy, September 16, 1962-June 30, 1963, without salary (9-26-62).
- SAMUELS, ARNOLD, Part-Time Medical Student Research Fellow in Biological Chemistry, nine months from September 16, 1962, \$600 (9-27-62).
- SCHOLAR, ERIC M., United States Public Health Service Fellow (Trainee) in Pharmacology, one year from September 1, 1962, \$2,400 (8-10-62).
- SILVERGLADE, LEE B., United States Public Health Service Fellow (Trainee) in Oral Pathology, ten months from September 1, 1962, \$5,416.67 (9-19-62).
- SLOAN, ERNEST D., Part-Time Medical Student Research Fellow in Physiology, nine months from September 16, 1962, \$600 (9-26-62).
- SMOLER, JOSE, United States Public Health Service Fellow (Trainee) in Otolaryngology, one year from July 1, 1962, \$5,000 (7-30-62).
- SNYDER, ROBERT, United States Public Health Service Fellow (Trainee) in Pharmacology, one year from November 1, 1962, \$6,000 (10-3-62).
- SWIATEK, KENNETH, United States Public Health Service Fellow (Trainee) in Biological Chemistry, nine months from October 1, 1962, \$1,800, supersedes (9-26-62).
- TERRY, ROBERT, Part-Time Medical Student Research Fellow in Preventive Medicine, nine months from September 16, 1962, \$600 (9-27-62).
- THAYER, CHARLES C., United States Public Health Service Fellow (Trainee) in Pharmacology, one year from September 1, 1962, \$2,200 (9-18-62).
- VERETTE, RALPH M., Fellow in Theoretical and Applied Mechanics, nine months from September 16, 1962, \$1,500, and two months from June 16, 1963, \$375, supersedes (10-16-62).



- VICTOR, THOMAS, Part-Time Medical Student Research Fellow in Anatomy, nine months from September 16, 1962, \$600 (9-26-62).
- VIDETICH, DAVID A., United States Public Health Service Fellow (Trainee) in Anatomy, September 16, 1962-August 31, 1963, \$1,955 (9-19-62).
- WALSH, PATRICIA J., United States Public Health Service Fellow (Trainee) in Biological Chemistry, nine months from October 1, 1962, \$1,800 (9-26-62).
- WEBER, DENNIS F., United States Public Health Service Postdoctoral Fellow (Trainee) in Dentistry, ten months from September 1, 1962, \$5,416.70 (9-12-62).
- WININIARSKI, GENEVIEVE, United States Public Health Service Fellow (Trainee) in Physiology, September 1, 1962-June 8, 1963, \$1,425 (9-25-62).
- ZARYCKY, OKSANA M., United States Public Health Service Fellow (Trainee) in Biological Chemistry, nine months from October 1, 1962, \$1,800 (9-26-62).
- ZIELINSKI, MIECZYSLAW, Postdoctoral Fellow in Chemistry, one year from October 16, 1962, \$4,500 (10-12-62).

#### RESIGNATIONS

- BISWAS, CHITRA S., United States Public Health Service Fellow (Trainee) in Animal Science — resignation effective October 1, 1962.
- BLUMENTHAL, JEROME S., Assistant in English (Chicago Undergraduate Division) — resignation effective September 16, 1962.
- CROW, SAMUEL E., Extension Specialist in Firemanship Training (Division of University Extension) — resignation effective October 6, 1962.
- FALEK, BARBARA M., Research Assistant in Preventive Medicine (Medicine) — resignation effective September 21, 1962.
- FITCH, BRIAN T., Instructor in French — resignation effective September 1, 1962.
- GERBER, QUENTIN N., Instructor in Accountancy — resignation effective September 1, 1962.
- HAYASHI, MARIE N., Research Assistant in Microbiology — resignation effective July 1, 1962.
- HAYDAY, ALEXANDER A., Assistant Professor of Mechanical Engineering — resignation effective September 1, 1962.
- MCCARTY, CHARLES G., Fellow in Chemistry — resignation effective October 12, 1962.
- McMULLEN, CARL, Research Assistant in Biological Chemistry (Medicine) — resignation effective August 15, 1962.
- MIZUKAMI, HIROSHI, United States Public Health Service Fellow (Trainee) in Biophysics — resignation effective October 16, 1962.
- PARSONS, MELVIN O., JR., Assistant Professor of Business Management — resignation effective September 1, 1962.
- RAO, PILLARISETTY J., Instructor in the Natural History Survey — resignation effective October 1, 1962.
- RODGERS, ROY A., Fellow in Finance — resignation effective October 27, 1962.
- SPILLMAN, CHARLES K., Assistant in Agricultural Engineering — resignation effective January 1, 1963.
- TSUCHIYA, GORO, Assistant in Neurology and Neurological Surgery (Medicine) — resignation effective July 1, 1962.
- VLES, EVERT J., Research Assistant in Chemistry — resignation effective September 1, 1962.
- YARWOOD, DEAN L., Charles E. Merriam Fellow in Political Science — resignation effective October 1, 1962.

#### LEAVES OF ABSENCE

- DAUTEN, PAUL M., JR., Professor of Management — leave of absence, without pay, from March 1 through August 31, 1963, so that he may accept an appointment as Visiting Professor of Management at Arizona State University.
- FALEK, ALFRED B., Clinical Associate Professor of Dermatology (Medicine) — leave of absence for eleven months from October 1, 1962.
- McALLISTER, WALTER G., Associate Professor of Psychology — leave of absence, with pay, for the first semester of the academic year 1962-63, on account of disability.

OTIS, JACK, Psychiatric Social Work Supervisor and Associate Professor of Hygiene—leave of absence, without pay, for one year from September 1, 1962, so that he may accept a position at the University of California.

ROBERTSON, JAMES E., Research Professor of Electrical Engineering (College of Engineering) and in the Digital Computer Laboratory—leave of absence, without pay, from July 1, 1963, through December 31, 1963.

SINHA, RAMESH C., Research Associate in Botany—leave of absence, without pay, for one month from January 1, 1963.

#### MEMORIAL TO RALPH F. LESEMANN

Mr. Dilliard offered the following resolution:

The Board of Trustees of the University of Illinois records with deep sorrow the death on October 19 of Ralph F. Lesemann, former Legal Counsel and Professor of Law.

Mr. Lesemann was born in Nashville, Illinois, on December 9, 1899. He graduated from the University of Illinois with the degrees of Bachelor of Arts in 1922 and of Doctor of Jurisprudence in 1924. He was a teacher from 1920-21 and principal from 1922-23 in the Nashville High School. In 1924 he began practicing law and was with the firm of Kramer, Kramer, and Campbell, East St. Louis, from 1924-26. He subsequently served as First Assistant United States Attorney from 1926-31, and then returned to the private practice of law as a member of the firm of Baker, Lesemann, Kagy, and Wagner, East St. Louis.

On July 1, 1951, he became Legal Counsel and Professor of Law at the University, serving in that capacity until 1961 when, because of health, he asked to be relieved of these duties and was appointed Special Counsel on part time. During these eleven years he served the University with distinction and untiring devotion to the work of his office. His constructive and insightful analyses of University problems which were brought to him contributed in many ways to strengthening the University's procedures and position in matters of legal controversy, and he won numerous favorable court decisions in University litigation.

His death is indeed a great loss to the legal profession, to the University, and to his community as well as to his family.

The Board directs that this resolution be incorporated in the minutes of today's meeting as a memorial to Mr. Lesemann and as a public tribute to his services; and that a suitable copy be sent to the members of his family as an expression of the Board's sympathy with them in their loss.

This resolution was unanimously adopted.

#### EXECUTIVE SESSION

On motion of Mrs. Watkins, an executive session was ordered for consideration of the following items of business:

#### RECOMMENDATIONS OF THE UNIVERSITY PATENT COMMITTEE

(1) The University Patent Committee submits, with the concurrence of the University Research Board, the following reports and recommendations relating to patentable inventions by members of the staff. The Committee at a meeting held on September 14, 1962, agreed to recommend that the rights of the University in these inventions be released to the inventors if they indicated an interest within thirty days of notice or to the sponsoring agency if the inventors indicate no personal interest.

1. Plasma field displacement isolator and circulator—Joseph T. Verdeyen, Instructor in Electrical Engineering, inventor. It has been shown that the propagation of electromagnetic waves in a parallel-plane wave guide, which is filled with a magnetized plasma, exhibits a nonreciprocal behavior. The effect is similar to that found in a ferrite field displacement isolator.

The Patent Committee has heard nothing from the inventor after advising him of the action of September 14 and, therefore, recommends release of the rights of the University to the sponsoring agency, the United States Air Force.

2. Bent logarithmically-periodic zig-zag antenna—John William Greiser, Research Assistant in Electrical Engineering, inventor. These antennas are continuous structures of a single conductor formed in the shape of a planar logarithmically-periodic zig-zag which has been bent along its longitudinal axis.

The radiation pattern is unidirectional, coming off the small end of the antenna (backfire) and is essentially independent of frequency in the design bandwidth. An important feature is the ability of the horizontal elements to alter the active, radiating portion of the antenna.

The inventor has indicated that he will not file for a patent; and accordingly, the Patent Committee recommends release of the rights of the University to the sponsoring agency, the United States Navy.

3. Dipole propulsion and accelerator system—Shao Lee Soo, Professor of Mechanical Engineering, inventor. Systems utilizing force on a dielectric or ferroelectric particle or body, or dipole molecule or atom when such a material is placed in a non-uniform electric field.

The Patent Committee has heard nothing from the inventor after advising him of the action of September 14 and, therefore, recommends release of the rights of the University to the sponsoring agency, Project SQUID of the United States Government.

The Committee further recommends that the University's rights in an invention, photo current suppression ionization gauge, by Wilfred C. Schuemann, Electronics Technician II in the Coordinated Science Laboratory, be released to the University of Illinois Foundation for further study and possible patent application. This invention is an ionization gauge, which has been designed to remove the low pressure limitation, due to x-rays, which is found in conventional ionization gauges.

I concur.

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

#### RECESS

On motion of Mr. Williamson, the Board recessed.

#### DEDICATION OF THE UNIVERSITY OF ILLINOIS RADIO TELESCOPE

At this point, the members of the Board of Trustees, officers of the Board, and other officials of the University joined officials and members of the Danville Chamber of Commerce at a luncheon honoring the Trustees and representatives of the Department of the Navy at a ceremony in dedication of the University of Illinois Radio Telescope constructed southeast of Danville.

Following the luncheon and formal dedication program, Trustees and other guests made an inspection of the Radio Telescope.

The Board remained in recess.

A. J. JANATA  
*Secretary*

HOWARD W. CLEMENT  
*President*