

MEETING OF THE BOARD OF TRUSTEES
OF THE
UNIVERSITY OF ILLINOIS

January 11, 1962



The January meeting of the Board of Trustees of the University of Illinois was held in the Illini Union, Urbana, Illinois, on Thursday, January 11, 1962, beginning at 9:30 a.m.

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

Also present were President David D. Henry, Dr. Joseph S. Begando, Vice-President for the University of Illinois at the Medical Center, Chicago, Professor Norman A. Parker, Vice-President for the Chicago Undergraduate Division, 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 officers of the Board, Mr. C. W. Weldon, Treasurer, Mr. H. O. Farber, Comptroller, Mr. A. J. Janata, Secretary. Dean F. T. Wall of the Graduate College, Mr. Robert S. Chamberlin, Director of the Division of Campus Development in the Physical Plant Department, and Mr. Vernon L. Kretschmer, Director of Auxiliary Services, were present during part of the meeting.

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.

APPOINTMENTS TO THE FACULTY

(1) 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. MARY ADAMS, Assistant Professor of Nursing, beginning December 11, 1961, at an annual salary of \$9,000 (DY).
2. HUIZHIRO ARAKI, Research Assistant Professor of Physics, beginning September 1, 1962, at an annual salary of \$8,100 (D).
3. HELEN B. CARLSON, Clinical Assistant Professor of Psychiatry, beginning November 1, 1961, without salary (DY).
4. CHESTER J. CAVALLITO, Lecturer with rank of Professor, Department of Pharmacology, College of Medicine, beginning December 1, 1961, without salary (DY).
5. RICHARD N. FENZL, Assistant Professor of Agricultural Engineering, beginning April 1, 1962, at an annual salary of \$8,500 (BY).
6. HUGH S. JOHNSON, Assistant Professor of Animal Science, beginning December 11, 1961, at an annual salary of \$8,500 (BY).
7. BUD J. MEADOR, Assistant Director of the Statistical Service Unit, Provost's Office, beginning September 1, 1961, at an annual salary of \$9,000 (DY).
8. ARTHUR L. RUOFF, Visiting Associate Professor of Metallurgical Engineering, for one year from September 1, 1961, without salary (D).

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

REVISIONS IN THE GENERAL CURRICULUM IN AGRICULTURE WITH MAJOR FOR TEACHERS OF VOCATIONAL AGRICULTURE

(2) The Urbana-Champaign Senate recommends the following revisions in the curriculum in general agriculture for students majoring in vocational agriculture:
First Year

Students who pass the mathematics or algebra placement test will not be required to take a mathematics course; all others must take either Mathematics 111, 112, or 104. Only one semester of mathematics is required.

Second Year, second semester

Add Agronomy 101, Soils, four semester hours.

Three semester hours of agriculture courses from Group I required, in place of six semester hours formerly required.

Third Year, first semester

Delete Agronomy 201, Soils, five semester hours.

Increase in requirements from agriculture courses from Group I from three to six semester hours.

Three hours of agriculture electives required.

Fourth Year, second semester

Add Agricultural Economics 230, Marketing of Agriculture Products, or a 300-level course in agricultural economics, three semester hours.

Decrease in agricultural electives required from six semester hours to three semester hours.

Change in electives required from six-twelve semester hours to nine semester hours.

Group I. Courses in agriculture required of all students in this curriculum. Additions are in italics and deletions are in parentheses.

Courses	Hours
Agricultural Economics 100 — Introductory Agricultural Economics ¹	3
Agronomy 121 — Crop Production.....	4
Animal Science 100 — Introduction to Animal Science.....	3

¹ Students entering as juniors or seniors should substitute Agricultural Economics 230 for Agricultural Economics 100 and Horticulture 242 or 262 for Horticulture 100. If Agricultural Economics 230 is substituted for Agricultural Economics 100, students must also complete a three-hour elective in agricultural economics at the 300 level.

Animal Science 102 or Dairy Science 102—Feeds and Feeding.....	3
Dairy Science 100—Introduction to Dairy Production.....	3

Six hours from the following:

<i>Entomology 101—Agricultural Entomology</i>	
Forestry 100—Farm Forestry (or Forestry 101—General Forestry)	
Horticulture 100—Introductory Horticulture	
Horticulture elective	
Plant Pathology 204—Introductory Plant Pathology	

Total..... 22

These revisions are made to meet a change in the Illinois State Board of Vocational Education requirements.

The Senate Coordinating Council indicates that no other Senate jurisdiction is involved.

I recommend approval.

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

REQUIREMENTS FOR DEGREE OF BACHELOR OF SCIENCE IN PHYSICS

(3) The Urbana-Champaign Senate recommends that the requirements for graduation in the curriculum in physics be increased from 124 to 126 hours, plus required military science and physical education.

The Senate Coordinating Council indicates that no other Senate jurisdiction is involved.

I recommend approval.

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

REVISION IN REQUIREMENTS FOR DEGREE OF BACHELOR OF SCIENCE IN DENTISTRY

(4) The Senate of the University of Illinois at the Medical Center recommends that Russian be added to the languages acceptable toward the degree of Bachelor of Science in Dentistry.

The Senate Coordinating Council indicates that no other Senate jurisdiction is involved.

I recommend approval.

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

CONTRACTS FOR CONSTRUCTION OF ADDITION TO ELECTRICAL ENGINEERING BUILDING

(5) The Director of the Physical Plant and the Vice-President and Comptroller recommend awards of the following contracts for construction of an addition to the Electrical Engineering Building and incidental work in connection therewith, the award in each case being to the lowest bidder:

General—Pathman Construction Company, Chicago.....	\$485 160
Base Bid	\$488 660
Additive Alternate	
Substitution of vinyl asbestos tile throughout the building for asphalt tile.....	3 200
Deductive Alternates	
Leaving all penthouse walls intact.....	—5 700
Substitution of all-weather concrete insulation in lieu of foam glass roof insulation.....	—1 000
Electrical—Downtown Electric, Urbana.....	73 825
Plumbing—Nu-Way Plumbing Service, Inc., Chicago.....	24 130
Heating, Refrigeration, and Temperature Control—Ideal Heating Com- pany, Chicago	182 888
Base Bid	\$144 444
Additive Alternate	
For equipment only, for air conditioning of present building	38 444
Ventilating—Petry Roofing and Sheet Metal Company, Champaign.....	113 322
Elevator—Otis Elevator Company, Chicago.....	8 403
<i>Total</i>	\$887 728

It is also recommended that all contracts other than the general contract be assigned to the contractor for the general work, making the total of his contract price \$887,728.

It is further recommended that an assignment agreement be entered into with Pathman Construction Company for the assignment of these other contracts for \$10,000, this being the amount bid by that Company under Alternate 1-A for a service charge for supervision of other contracts assigned to the general contractor.

Funds are available in the state capital appropriations to the University from the Universities Building Fund, subject to release by the Governor.

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

I concur in the awards of these contracts, subject to the release of funds.

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

APPROPRIATION AND CONTRACTS FOR TELEVISION STUDIOS

(6) The Director of the Physical Plant and the Vice-President and Comptroller recommend awards of the following contracts for the remodeling of the former Purity Baking Company building at 1112 West Main Street, Urbana, to provide facilities for WILL-TV studios which will be moved from the West Hall of the Memorial Stadium and to provide studio facilities for closed circuit television. This will provide the minimum facilities needed. The award in each case is to the lowest bidder:

General—Shapland Construction Company, Champaign.....	\$ 43 835
Electrical—Downtown Electric, Urbana.....	32 325
Plumbing—David W. Reichard Plumbing and Heating, Urbana.....	5 840
Heating, Piping, Refrigeration, and Automatic Temperature Control— T. A. Brinkoetter and Sons, Inc., Decatur.....	41 369
Ventilating and Distribution System for Conditioned Air—R. H. Bishop Company, Champaign	13 985
<i>Total</i>	<u>\$137 354</u>

The following assignments of funds are necessary and are recommended:

For construction work— from the state capital appropriations for 1961-63 from the Universities Building Fund (the appropriation for enlarge- ment and rehabilitation of existing buildings).....	\$166 500
For coaxial cable, microwave, and equipment— from the University's General Reserve	123 000
<i>Total</i>	<u>\$289 500</u>

Submitted herewith are supporting memoranda from the Physical Plant Department including a schedule of all bids received, and from the Division of Instructional Television describing the equipment and facilities to be required; copies of these memoranda are being filed with the Secretary for record.

I concur in these recommendations.

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

CONTRACTS FOR REMODELING ENGINEERING RESEARCH LABORATORY

(7) Space in the basement of the Engineering Research Laboratory has been assigned to the Coordinated Science Laboratory for studies involving low-temperature superconductivity. To convert this space into a useable research laboratory will cost an estimated \$39,300 for remodeling and \$7,700 for laboratory equipment.

This being a remodeling project, the Director of the Physical Plant and the Vice-President and Comptroller recommend that it be done under the University's standing cost-plus fixed fee contracts with the following contractors, at the prices indicated:

General — Clarence H. Siems, Urbana.....	\$ 9 426 89
Painting — M. E. Hollett, Champaign.....	930 35
Electrical — Potter Electric Service, Urbana.....	10 000 00
Plumbing — Thomas Plumbing and Heating Company, Urbana.....	2 700 00
Heating — David W. Reichard Plumbing and Heating, Urbana.....	6 638 40
Ventilating — F. R. Inskip and Company, Champaign.....	3 523 00
<i>Total</i>	\$33 218 64

Funds are available in indirect costs resulting from research contracts.

I concur.

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

ADDITION TO CONTRACT FOR PENNSYLVANIA AVENUE RESIDENCE HALL

(8) The Director of the Physical Plant and the Vice-President and Comptroller recommend an increase of \$53,830 in the contract with Kuhne-Simmons Company, Inc. for construction of the Pennsylvania Avenue Residence Hall to provide for the realignment and paving of the courtyard, including street lighting and some paving on Pennsylvania Avenue, and for removal of temporary buildings in Illini Village. These improvements were included as alternates in the original bids taken but were not accepted when the contract was awarded because it was not certain that funds would be available. The project is now approximately half completed and very few contract additions have been necessary, so that adequate funds are available.

I concur.

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

REPORT ON LAND ACQUISITIONS

(9) The Director of the Physical Plant and the Vice-President and Comptroller submit the following report of property purchases authorized by the Board since the last report (Board meeting, January 18, 1961) and now completed. Those indicated by asterisks were purchased for the University by the University of Illinois Foundation. The others have been purchased directly by the University.

Land for the College of Agriculture

<i>From</i>	<i>Cost</i>
Jane Klassen — approximately 153 acres on the east side of First Street approximately three-fourths of a mile south of St. Mary's Road..	\$307 000 00

Land for Campus Expansion

<i>Address</i>	<i>Owner</i>	<i>Cost</i>
512 East Chalmers Street	Josephine Loy	\$19 950 00
901 West Green Street	Paul A. and Arlene M. Tangora	21 000 00
601 East Healey Street*	Oscar D. and Minnie M. Wilson	36 000 00
603 East Healey Street*	Florence Blakesley	31 500 00
605 East Healey Street*	Gilbert and Gladys M. Lorenz	30 000 00
202 North Romine Street	D. B. Myer and T. G. Chinnock	18 862 21

This report was received for record.

PURCHASES

Purchases Authorized

(10) The following purchases were authorized by the President's Office on the recommendation of the Director of Purchases and the Vice-President and Comp-

troller. Unless otherwise specified, the purchase in each case was recommended on the basis of the lowest acceptable bid.

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
Modernization and updating of four model 314A tri-carb spectrophotometers to be equal to the currently manufactured model 314E	Chemistry and Chemical Engineering Microbiology Botany	Packard Instrument Co., Inc., La Grange	\$4 000 00 f.o.b. La Grange
Suspended ceiling, lighting system, non-modular complete with panels, hangers, edge strips, and fluorescent fixtures, to be installed in the Illini Union Bookstore	Physical Plant Storeroom	Springfield Electric Supply Co., Urbana	4 345 10 f.o.b. delivered
Two lots biological supplies for export to India	International Cooperation Administration Contracts	Carolina Biological Supply Co., Elon College, North Carolina General Biological Supply House, Inc., Chicago New York, N.Y.	3 308 25 3 002 30 f.a.s.

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

Purchases Recommended

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

I concur.

Chicago Colleges and Divisions

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One lot laboratory equipment and supplies consisting of: one spectrophotometer; 19,200 corks; 27 dozen bottles; 70 boxes filter paper; 500 books lens paper; 96 boxes disposable pipets; 90 gross microscope slides; 72 sponges; 100 feet plastic tubing; 12 marking pencils; 48 rolls aluminum foil; 90 ounces microscope cover glasses	College of Medicine, Allergy Unit	LaPine Scientific Co., Chicago	\$4 357 93 net delivered
One photomicroscope and accessories	College of Medicine	W. H. Kessel & Co., Chicago	4 998 30 net delivered
One radial drill	Medical Physiology	Don G. Beck, Chicago	3 525 35
21,500 patients' chart folders	Research and Educational Hospitals	Diebold, Inc., Chicago	5 097 00 net delivered
21,500 master library cards			
36,000 paper rubbish bags	Physical Plant	Chuckerman Paper Co., Chicago	4 296 60 net delivered

Urbana-Champaign Departments

877 copies of <i>The Promise of Advertising</i> , edited by C. H. Sandage	Advertising (Journalism)	Richard D. Irwin, Inc., Homewood	\$3 853 77 f.o.b. delivered
One T-hangar, five-unit aircraft, furnished complete and erected at the University of Illinois Willard Airport	Institute of Aviation	Dresser-Ideco Co., Columbus, Ohio	12 386 00 f.o.b. delivered and erected
Aircraft two-way radio consisting of: one transmitter; one twinpac transmitter-receiver; two receivers; one converter; one indicator; two power supplies; one shock mount; one amplifier; one antenna	Institute of Aviation	Mid-States Aviation Corp., Northbrook	2 577 01 f.o.b. delivered
One goniometer assembly for diffractometer	Ceramic Engineering	Philips Electronic Instruments, Chicago	4 230 00 f.o.b. Mt. Vernon, N.Y.
One proportional counter attachment for goniometer arm			
One iron target four-window X-ray diffraction tube			

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One optical density converter with absorbance indication	Chemistry and Chemical Engineering	Gilford Instrument Labs., Inc., Oberlin, Ohio	\$3 065 00 f.o.b.
One automatic cuvette positioner			delivered,
One power supply			plus
One chart recorder			transportation
One ceramic envelope (gyro housing), two-inch diameter, 20 electrodes of .025 in. copper, peak voltage 4000, arc length of electrode "sides" including margin $63^{\circ} 26.25' \pm 3'$	Coordinated Science Laboratory	Minneapolis-Honeywell Regulator Co., Minneapolis, Minn.	6 008 00 f.o.b. Minneapolis, Minn.
One linear programmed temperature gas chromatograph with recorder and power supply	Dairy Science	Wilkins Instrument & Research, Inc., Walnut Creek, Calif.	2 962 75 f.o.b. delivered
Zener diodes as follows: 200 1/4M9.1Z5 100 3/4M10Z5 100 1N961B 100 1N3018B 300 1N959B, and 50 2N1546 transistors	Digital Computer Laboratory	Deeco, Inc., Cedar Rapids, Iowa	2 846 90 f.o.b. delivered
Stabistors as follows: 400 type SS3141A 700 type SS3143A 400 type SS3144A	Digital Computer Laboratory	Semiconductor Specialists, Chicago	3 777 00 f.o.b. delivered
536 items terminal boards, of various sizes and types	Digital Computer Laboratory	Mandex Manufacturing Co., Inc., Chicago	3 372 01 f.o.b. Chicago
600 component strips, press fit terminals	Digital Computer Laboratory	The Delbert Blinn Co., Pomona, Calif.	4 464 00 f.o.b. delivered
Machining, drilling, and assembling of 67 connector frames	Digital Computer Laboratory	Northern Tool & Dye Co., Chicago	3 887 60 f.o.b. delivered
Transistor sockets, three-terminal, as follows: 7,000 mica-filled phenolis 2,000 melamine, pink 6,000 melamine, red 2,000 melamine, white 1,000 melamine, light blue 1,000 melamine, yellow	Digital Computer Laboratory	Grayhill, Inc., La Grange	2 823 00 f.o.b. La Grange
One conversion detector, including rate-meter, scaler, electronic time register, power supply, rack cabinet, extension cable, and cover for existing X-ray unit	Geology	General Electric Co., X-Ray Division, Chicago	3 467 50 f.o.b. delivered
Two early and rare books to be used in the research of Professor Harris Fletcher on John Milton	Library	C. A. Stonehill, Inc., New Haven, Conn.	6 300 00
One eight-speed scanning spectrometer with recorder, fixed slits, grating with 30,000 grooves per inch, and photomultiplier tubes and housing	Mechanical and Industrial Engineering	Jarrell-Ash Co., Newtonville, Mass.	6 870 00 f.o.b. Newtonville, Mass.
One turret milling machine, 9 in. by 32 in. capacity, complete with motor, controls and accessories	Mechanical and Industrial Engineering	Don G. Beck, Chicago	3 960 50 f.o.b. delivered
One oscilloscope, DC-1000 megacycles, 0.35 nanoseconds rise-time, 2 by 6 cm viewing area, 24KV accelerating potential	Physics-Betatron	Tektronix, Inc., Park Ridge	3 950 00 f.o.b. Beaverton, Ore.
One mobile support for above with nine tray adjustments			
One spectrophotometer, infrared, range 0.8 to 15 microns, complete with light source, monochromator, detector, amplifiers, and recorder	Physics	Beckman Instruments, Inc., Lincolnwood	11 304 00 f.o.b. delivered
1,055 beds and 1,055 desks, for use in the Pennsylvania Avenue Residence Hall (SW-2)	Housing Division, Pennsylvania Avenue Residence Hall	Universal Equipment Co., Batesville, Ind.	111 988 25 f.o.b. delivered
Six itemizing cash registers with automatic change dispensers and automatic change computation from \$1.00, to be used in the enlarged cafeteria in the new Illini Union addition	Illini Union	The National Cash Register Co., Danville	11 331 00 f.o.b. delivered

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One offset duplicator with 10½ by 16½ in. image cylinders, electric double sheet eliminator, and fixed pin bar clamp assembly; complete with light fixture, work organizer, chain delivery, and receding stacker	Illini Union	Addressograph-Multigraph Corp., Peoria	\$4 163 50 f.o.b. delivered
Approximately 1,475 sheets miscellaneous plywood to be purchased as required for six-month period January, 1962, through June, 1962	Physical Plant Storeroom	Kochton Plywood & Veneer, Decatur	6 424 91 f.o.b. delivered
6,000 cast iron common stoker links with cored holes for use in stokers at Abbott Power Plant	Physical Plant Storeroom	Chicago Foundry Co., Chicago	2 940 00 f.o.b. delivered
One complete rotating element for stand-by replacement in any one of four boiler feed pumps in Abbott Power Plant	Physical Plant — Abbott Power Plant	Ingersoll-Rand Co., Chicago	7 865 00 f.o.b. Phillipsburg, N.J.
One air conductivity chamber and vibrating reed electrometer including sensing head, with ranges of approximately 1, 3, 10, 30, 100, 300, 1000 millivolts and 3, 10, 30 volts, rack mounted	State Water Survey	Applied Physics Corp., Monrovia, Calif.	4 060 00 f.o.b. delivered
Laboratory gases as required by various departments for period February 1, 1962, through June 30, 1963	Various Departments	Depke Welding Supplies, Inc., Champaign	33 448 75 f.o.b. delivered
One double grating, infrared, recording spectrophotometer	Chemistry and Chemical Engineering	The Perkin-Elmer Corp., La Grange	5 720 00 f.o.b. delivered
One microvolt potentiometer, two ranges; 0 to 111,111.00 microvolts in steps of 0.1 microvolt and 0 to 11,111.10 microvolts in steps of 0.01 microvolts for extremely small and precise voltage measurements	Mining, Metal- lurgy, and Petroleum Engineering	Minneapolis-Honeywell Regulator Co., Peoria	3 800 00 f.o.b. delivered
Print and bind 1,500 copies of <i>Essays on the Behavioral Study of Politics</i> , edited by J. A. Ranney, trim size 6 in. by 9 in., approximately 272 pages per copy	University Press	Pantagraph Printing & Stationery Co., Bloomington	3 183 90 f.o.b. delivered
Initial stock for Pennsylvania Avenue Residence Hall and replacement linen for Gregory Drive Residence Halls: 90 dozen combination mattress pad and cover	Housing Division	Karoll's, Inc., Chicago	10 446 60
1,100 bed pillows		Wolford-Morris Sales, Inc., Springfield	9 816 00
510 dozen sheets, 63 in. by 108 in., 140 thread count		Associated Service and Supply Co., Chicago	2 849 00
1,010 dozen, pillow cases, 42 in. by 36 in., 140 thread count		Kansas City White Goods Mfg. Co., Kansas City, Mo.	4 504 60
90 dozen pillow covers, 21 in. by 27 in.			(27 616 20) f.o.b. delivered
1,100 blankets, 62½ in. by 90 in.			
500 dozen huck towels, 17 in. by 32 in.			
500 dozen towels, terry, 20 in. by 40 in.			

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

GIFT OF AIRPLANE

(11) The General Motors Corporation has given the University of Illinois an eight-passenger Lockheed Lodestar executive-equipped airplane for the Institute of Aviation. The gift is without restrictions. I have accepted it and report this action for record.

The Lodestar has a cruising speed of 220 miles an hour, is fully equipped for instrument flying, and will be used for instruction and for demonstrations in aerodynamics, heavy aircraft hydraulics, electronics, and navigation equipment. It will be added to the University's planes available for use in the transportation of teachers to extension courses throughout Illinois and for other personnel in flights on University business. The base of operations will be the University of Illinois Willard Airport.

On motion of Mr. Swain, the President's action was confirmed, and the Secretary was requested to express to the appropriate officials of General Motors Corporation the appreciation of the Trustees.

COMPTROLLER'S REPORT OF CONTRACTS

(12) The Comptroller's report of contracts executed during the period December 1 to 31, 1961.

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
Commercial Solvents Corp.	Extent vitamin A and carotene activities are destroyed by rumen-reticular fermentation processes in silages	\$ 3 000 00	December 4, 1961
National Aeronautics and Space Administration NSG 195-62	Micro-neuroanatomy of the central nervous system	316 293 00	October 1, 1961
United States Air Force AF-AFOSR 62-109	Spaces admitting significant fixed-point indices	6 969 00	November 14, 1961
United States Air Force AF-AFOSR 62-128	Electronmicroscopy of ultrasonically irradiated muscle	7 958 00	November 13, 1961
United States Atomic Energy Commission AT (11-1) 1102	Mechanism of substitutional diffusion in metals	79 062 00	October 1, 1961
United States Atomic Energy Commission AT (11-1) 1110	Formation of point defects in copper, silver, and aluminum during plastic deformation and the nature of the interactions of these defects with dislocations	37 810 00	November 1, 1961
United States Civil Defense OCD-OS-62-6	Two-week training courses in structure design and analysis for fallout protection	26 300 00	October 9, 1961
United States Department of Health, Education, and Welfare SAE-9539	Identification and role of the school libraries which function on instructional materials centers with implications for training	32 126 00	June 28, 1961
The United States Steel Corp.	Analysis of barriers to the marketing of sterile concentrated milk	20 000 00	December 7, 1961
United States Air Force AF-19 (604) 5705	SAGE operator performance factors contributing to operator fatigue in SAGE operations	41 982 00	October 30, 1961
United States Army DA 11-022-ORD-2956	Development of polymers for use at high temperatures	2 626 00	November 11, 1961
United States Army DA 18-108-405-CML-517	Evaluate the behavior of immiscible fluids (gases and liquids) in porous solid media	3 500 00	October 25, 1961
United States Army DA 22-079-eng-238	Dynamic bearing capacity of soils	3 800 00	October 30, 1961
United States Army DA 22-079-eng-240	Analytical study of dynamic bearing capacity of soils	34 457 00	November 3, 1961
United States Army DA49-007-MD-544	Nutritive value of major nutrients of irradiated food	30 740 00	November 21, 1961
United States Atomic Energy Commission AT (11-1) 833	Atomic energy research and development	72 070 00	October 25, 1961
United States of America International Cooperation Administration ICAc-1220-3	Establish at Indian Institute of Technology, Kharagpur, West Bengal, teacher-training programs in engineering	90 000 00	October 31, 1961
United States of America International Cooperation Administration ICAc-1258-2	Assisting the Uttar Pradesh Government in the organization and development of a United States land-grant type of university	200 000 00	October 31, 1961
Hiram Walker & Sons, Inc.	Nutritive properties of dried distillers' solubles in swine nutrition	760 00	December 4, 1961

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: \$25.00 to \$745.00	\$ 3 588 00	November and December, 1961
M. E. Hollett (Painting)	Four items: \$271.80 to \$780.00	1 721 50	November and December, 1961

This report was received for record.

PRESIDENT'S REPORT ON SELECTED TOPICS OF CURRENT INTEREST

(13) President Henry presented a report on a number of subjects of significant current events and items of interest. Copies of the complete report were distributed at the meeting, and a copy was filed with the Secretary for record.

**INSTITUTE OF LABOR AND INDUSTRIAL RELATIONS
ADVISORY COMMITTEE**

(14) The Director of the Institute of Labor and Industrial Relations recommends the following appointments to the Institute's advisory committee for a term of three years, beginning with the current academic year, to fill vacancies in the management and labor representation:

Management

FRANK W. BRADEN, General Personnel Manager, Illinois Bell System

Labor

JOHN BELT, President and Business Manager of Local Union No. 399 of the International Brotherhood of Electrical Workers

REUBEN G. SODERSTROM, President of the Illinois State Federation of Labor and Congress of Industrial Organizations

This year there were two vacancies among the labor leaders because of the resignation of a labor member a few years ago and his replacement having been appointed for a full term rather than for the remainder of the term.

The term of Adolph Berger, Regional Director of the Bureau of Labor Statistics, Chicago, a public member, has expired and a recommendation for his replacement will be submitted later.

I recommend approval.

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

FEDERAL GRANT FOR MEDICAL SCIENCES ADDITION BUILDING

(15) The Division of Research Grants of the National Institutes of Health has informed the University that upon recommendation of the National Advisory Council on Health Research Facilities, the Surgeon General of the United States Public Health Service has approved an application from the University of Illinois for a Public Health Service grant not to exceed \$1,346,115 for a Medical Sciences Addition Building. The application for this grant was previously authorized by the Board of Trustees.

The grant will enable the University to proceed with plans for the construction of a Medical Sciences Addition Building, estimated to cost in excess of \$5,000,000, the balance to come from state funds.

This request was received for record.

**REQUEST OF BOARD OF EDUCATION OF THE
URBANA COMMUNITY SCHOOLS**

(16) The President of the Board of Trustees has received the following communication from the President of the Board of Education of the Urbana Community Schools:

December 22, 1961

*Mr. Kenney E. Williamson, President
University of Illinois Board of Trustees
Sixth Floor, Lehmann Building
Peoria 2, Illinois*

DEAR MR. WILLIAMSON:

At its meeting on December 18, 1961, the Board of Education of the Urbana Community Schools discussed payments made in lieu of taxes by the University of Illinois. Members of the Board expressed appreciation for the fact that the University of Illinois Board of Trustees did adopt several years ago the policy of making payments in lieu of taxes for certain properties not on the local property tax rolls. Local governmental capability to serve our increasing population is improved by such payments.

Our impression is that the rate of payment made in lieu of taxes has not been revised recently to reflect any increase that may have been experienced in property values generally.

I have been instructed by a resolution of the Board of Education of the Urbana Community Schools made on December 18, 1961, to ask you to bring the question of the possibility of increasing the rate of payment to the attention of the University of Illinois Board of Trustees for consideration.

Please be sure that any consideration given to the subject will be very much appreciated.

Sincerely yours,
LOWELL B. FISHER, *President*
Board of Education

A copy of this letter was also received by the President of the University and was referred to the Vice-President and Comptroller for analysis and report.

It is recommended that the request of the Board of Education be referred to a Board committee for further consideration.

President Williamson suggested that this request be referred to the Committees on General Policy and Finance. There being no objection, it was so ordered.

TREE-PLANTING PROGRAM

(17) At the request of President Henry, Director C. S. Havens of the Physical Plant Department and Mr. Robert S. Chamberlin, Director of the Division of Campus Development in the Physical Plant Department, presented a report, illustrated with maps, pictures, and slides, of a landscape redevelopment plan for the Urbana-Champaign campus to replace the trees lost due to diseases during the past ten years. To activate this program, they proposed a long-range master plan for tree planting, including recommendations on selections of species. The total cost of executing the master plan, excluding landscape work in the immediate area of, and related to, new buildings is estimated at approximately \$400,000. The program proposed for the biennium of 1961-63 is estimated to cost approximately \$80,000 and the funds for this are available in current state capital appropriations. This is the rate of expenditure estimated to complete the program in the ten-year period.

Following the presentation, it was recommended that (1) the master plan for tree planting and the proposed selection and distribution of species as presented be approved, subject to change or approval by the President of the University; and (2) that the tree-planting program proposed for 1961-63 be authorized, subject to the approval of contracts by the Board of Trustees.

President Henry stated that he concurs in these recommendations.

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

SECRETARY'S REPORTS

The Secretary presented for record the following lists: (1) appointments made by the President; (2) graduate fellows; (3) resignations; (4) 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.)

BARNHILL, JACK G., Instructor in Accountancy, $\frac{3}{4}$ time, second semester of the academic year 1961-62, beginning March 1, 1962, \$3,600 a year, supersedes (12-15-61).

CARMICHAEL, HUGH T., Professor of Psychiatry (Medicine), $\frac{4}{5}$ time, ten months from November 1, 1961, \$16,000 a year, supersedes (12-11-61).

DOYAMA, MASAO, Research Associate in Physics (C), nine months from December 1, 1961, \$7,000 a year, supersedes (12-15-61).

FETT, GILBERT H., Professor of Electrical Engineering and Chief of Party, in the Indian Institute of Technology, Kharagpur, India, for service under Contract ICAC-1220, beginning December 26, 1961, and continuing through January 31, 1964, \$20,166 a year; Professor of Electrical Engineering (C), indefinite tenure from February 1, 1964, supersedes (12-1-61).

FINK, GILBERT L., Supervisor of Special Services and Occupational Therapy in the Student Rehabilitation Center, with rank of Instructor (College of Physical Education), September 16, 1961-August 31, 1962, \$7,000 a year (12-18-61).

FINNEMORE, DOUGLAS K., Research Associate in Physics (C), nine months from December 1, 1961, \$7,250 a year, supersedes (12-15-61).

GORMAN, PATRICIA M., Instructor in Home Economics 4-H Club Work (E), seven months from February 1, 1962, \$3,733.31 (12-15-61).

- HAY, RALPH C., Professor of Agricultural Engineering and Adviser to the Dean of Agricultural Technology, in the U.P. Agricultural University, Pantnagar, U.P. India, beginning December 26, 1961, and continuing through January 31, 1964, \$15,750 a year; this appointment is for service under Contract ICAC-1258 at the U.P. Agricultural University, Pantnagar, U.P. India; Professor of Agricultural Engineering (C), indefinite tenure from February 1, 1964, supersedes (12-22-61).
- KATOH, ARTHUR K., Research Associate in Zoology, November 16, 1961-August 31, 1962, \$5,850 a year (12-26-61).
- LENIHAN, KATHRYN E., Assistant Dean of Women, eight months from January 1, 1962, \$6,300 a year (12-15-61).
- MOYER, FRED D., Instructor in Architecture, to render service during the second semester of the academic year, February 1-June 15, 1962, \$3,000 (12-11-61).
- MYERS, MRS. JANE L., Instructor in Foods and Nutrition (Home Economics) (E), nine months from December 1, 1961, \$6,500 a year (12-11-61).
- PETERSON, CARYL M., Assistant in Nursing, November 13, 1961-August 31, 1962, \$5,500 a year (12-11-61).
- ROBBINS, ANITA B., Clinical Instructor in Medicine (Medicine), November 23, 1961-August 31, 1962, without salary, supersedes salaried appointment (12-15-61).
- SAAD, EDWARD J., Residence Hall Counselor (Chicago Professional Colleges), 15/100 time, October 27, 1961-June 15, 1962, \$600 (12-11-61).
- SNYDER, ROY W., Instructor in Microbiology (Medicine), October 20, 1961-August 31, 1962, \$8,300 a year (12-11-61).
- WEINSTEIN, SEYMOUR, Clinical Instructor in Dermatology (Medicine), nine months from December 1, 1961, without salary (12-11-61).

GRADUATE FELLOWS

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

- ATWOOD, GERALD F., United States Public Health Service Fellow (Trainee) in Medicine (Chicago Professional Colleges), nine months from September 1, 1961, \$600 (11-10-61).
- KING, HARRY F., Postdoctoral Fellow Trainee in Chemistry, October 16, 1961-August 31, 1962, \$7,000 a year (12-11-61).
- LEVIN, JACOB J., United States Public Health Service Fellow (Trainee) in Neuropharmacology (Chicago Professional Colleges), one year from November 1, 1961, \$7,500 (10-20-61).
- SNYDER, ROBERT, United States Public Health Service Fellow (Trainee) in Pharmacology (Chicago Professional Colleges), one year from November 1, 1961, \$5,500 (10-26-61).

RESIGNATIONS

- BOCKMAN, DALE E., United States Public Health Service Fellow (Trainee) in Anatomy (Chicago Professional Colleges) — resignation effective November 1, 1961.
- BUNDY, MARY L., Research Assistant Professor and Director of Library Research Center, in the Graduate School of Library Science — resignation effective January 1, 1962.
- CLARK, EVA L., Teaching Fellow in Chemistry — resignation effective December 1, 1961.
- HARADER, WAYNE R., Fellow (Teaching Intern) in Electrical Engineering — resignation effective February 1, 1962.
- HUTCHISON, JOHN J., Fellow in Chemistry — resignation effective February 1, 1962.
- MCGUIRE, EDWARD J., United States Public Health Service Fellow (Trainee) in Biological Chemistry (Chicago Professional Colleges) — resignation effective January 1, 1962.
- McNAIR, LOUIS M., Instructor in the Institute of Aviation — resignation effective December 21, 1961.
- RIECKS, MRS. NATALIE, Instructor in Home Economic 4-H Club Work — resignation effective January 11, 1962.
- RINALDI, FRANCO U., Clinical Assistant Professor of Psychiatry (Medicine) — resignation effective September 1, 1961.

- SCHAEFFLER, MRS. JOAN M., Instructor in Veterinary Pathology and Hygiene (College of Veterinary Medicine) and in Veterinary Research (Agricultural Experiment Station) — resignation effective January 15, 1962.
- SCHAEFFLER, WILHELM F., United States Public Health Service Fellow (Trainee) in Veterinary Medical Science — resignation effective January 8, 1962.
- STARK, STANLEY, Assistant Professor of Psychology (Liberal Arts and Sciences) and in the Institute of Labor and Industrial Relations — resignation effective January 1, 1962.
- UNGER, LEON, United States Public Health Service Fellow (Trainee) in Microbiology — resignation effective December 16, 1961.
- WATTS, DONALD E., Clinical Instructor in Psychiatry (Medicine) — resignation effective January 1, 1962.
- WILMOT, MRS. CANDACE R., Research Assistant in the Digital Computer Laboratory — resignation effective February 1, 1962.
- WOOD, WALTER S., Assistant Professor of Preventive Medicine (Medicine) — resignation effective January 1, 1962.

LEAVES OF ABSENCE

- LEVINE, SOLOMON B., Professor of Labor and Industrial Relations — leave of absence, without pay, during the academic year 1962-63, so that he may serve as a visiting professor at the Massachusetts Institute of Technology.
- SCOTT, ROBERT E., Professor of Political Science — leave of absence, without pay, from March 1, 1962, through August 31, 1962, so that he may accept a visiting appointment at Yale University.
- SMOOT, RONALD L., Instructor in Mechanical Engineering — leave of absence, without pay, during the second semester of 1961-62 and the first semester of 1962-63, so that he may devote full time to graduate study under a National Science Foundation Faculty Fellow.
- TRJITZINSKY, WALDEMAR J., Professor of Mathematics — released from his teaching duties, so that he may be permitted to work off-campus during the first semester of 1962-63 under a grant from the National Science Foundation.
- WILCOCK, RICHARD C., Professor of Labor and Industrial Relations — leave of absence on one-half time and on one-half pay, February 1 through June 22, 1962; leave without pay, June 23 through August 31, 1962; leave on one-half time and on one-half pay September 1, 1962, through June 25, 1963; and leave without pay, June 26 through August 31, 1963, so that he may serve as co-director of a research project on job placement services for older workers financed by a Ford Foundation grant to Washington University in St. Louis.

EXECUTIVE SESSION

On motion of Mr. Johnston, the executive session was ordered for consideration of the following item of business.

INSTITUTE FOR DEFENSE ANALYSES

(1) The University of Illinois has been advised informally that it will be considered for membership in the Institute for Defense Analyses, a nonprofit Delaware corporation created in 1956 for the purpose of promoting the public welfare and the advancement of scientific learning by making analyses, evaluations, and reports regarding matters of national security for the United States of America. Through its membership of educational institutions, the Institute represents a reservoir of technological talent in the nation's scientific community available to assist the federal government in its application of the scientific method to the solution of broad problems of military policy and strategy. The Institute operates principally under government contracts, but a few research projects are carried on which originate internally. Membership does not entail any financial contribution, although educational institutions who are members are expected to make personnel available from time to time for work on specific projects.

The founding members of the Institute for Defense Analyses were the California Institute of Technology, Case Institute of Technology, Massachusetts Institute of Technology, Stanford University, and Tulane University. These have since been joined by the University of Chicago, Columbia University, University of Michigan, and Pennsylvania State University. Membership in the Institute for

Defense Analyses would permit the University of Illinois to assume a more important role in connection with national security. In addition, the University would benefit through the mutual interchange of ideas and by improvement of communications and relationships with the federal government.

I recommend that the University make application for membership in the Institute of Defense Analyses and that the following resolution be adopted (it being suggested that public announcement be withheld until the Institute acts favorably on any such application):

Resolution

Be It Resolved by The Board of Trustees of the University of Illinois that the President of the University be, and he hereby is, authorized on behalf of the University:

- (1) To accept membership in the Institute for Defense Analyses, a nonprofit organization created under the laws of Delaware;
- (2) To serve, or to appoint others to serve from time to time, as a representative of the Board of Trustees of the University of Illinois at all meetings of members of said Institute for Defense Analyses; and
- (3) To take such other action as may be necessary or appropriate in connection with or incidental to membership in said Institute for Defense Analyses.

Dean Frederick T. Wall of the Graduate College was at the meeting for the presentation of this recommendation and made a supplementary supporting statement. At the conclusion of the presentation, and following discussion of the proposal, on motion of Mr. Swain, the foregoing resolution was adopted without a dissenting vote.

ANNUAL MEETING OF THE BOARD

The President of the Board reported that due to calendar conflicts some of the Trustees would be unable to attend the annual meeting on March 13, 1962, the date set according to the By-Laws, or March 15, the date to which the annual meeting had been changed by vote of the Board.

After discussion of possible alternate dates, on motion of Mr. Swain, the Board voted to hold its 1962 annual meeting in Urbana, on Saturday, March 17, the hour and place to be determined by the President and the Secretary of the Board.

On motion of Mrs. Watkins, the Board adjourned.

A. J. JANATA
Secretary

KENNEY E. WILLIAMSON
President