

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

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**January 20, 1959**



The January meeting of the Board of Trustees of the University of Illinois was held in the LaSalle Hotel, Chicago, Illinois, on Tuesday, January 20, 1959, beginning at 11:30 a.m.

The following members of the Board were present: Mrs. Doris S. Holt, Mr. Earl M. Hughes, Mr. Wayne A. Johnston, Mr. Park Livingston, Mr. Timothy W. Swain, Mrs. Frances B. Watkins, Mr. George T. Wilkins, Mr. Kenney E. Williamson. Mr. Cushman B. Bissell, Mr. Wirt Herrick, and Governor William G. Stratton were absent.

Also present were President David D. Henry, Vice-President and Provost Gordon N. Ray, Dr. H. E. Longenecker, Vice-President in charge of the Chicago Professional Colleges, Executive Dean C. C. Caveny of the Chicago Undergraduate Division, Director C. S. Havens of the Physical Plant Department, Mr. C. E. Flynn, Director of Public Information, Mr. William H. Rice, Administrative Assistant in the President's Office; and the officers of the Board, Mr. H. O. Farber, Comptroller, Mr. C. W. Weldon, Treasurer, and Mr. A. J. Janata, Secretary. Mr. Howard W. Clement, Mr. Richard A. Harewood, and Mr. Harold Pogue, Trustees-elect, and Dr. Lyle H. Lanier, Dean of the College of Liberal Arts and Sciences, also attended the meeting as guests of the Board.

Preceding its meeting the Board had luncheon during which President Park Livingston introduced the new Trustee, Mr. George T. Wilkins, and the three Trustees-elect who will take office on March 10, 1959. At the conclusion of the luncheon President Henry presented Dr. Lyle H. Lanier, the new Dean of the College of Liberal Arts and Sciences, who spoke briefly on the state of the College.

**MINUTES APPROVED**

The Secretary presented the minutes of the meeting of the Board of Trustees on July 29, 1958, press proof copies of which have previously been sent to the Board.

On motion of Mrs. Watkins, these minutes were approved as printed on pages 1 to 76, inclusive.

**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. FRANKLIN S. ALCORN, Assistant Professor of Radiology, beginning January 1, 1959, without salary (DY).
2. JOHN L. CHILDS, Visiting Professor of Education, for four and one-half months from February 1, 1959, at a salary of \$5,000 (E).
3. RUDOLF HAAG, Professor of Physics, for four and one-half months from February 1, 1960, at a salary of \$6,250 (E).
4. JOSEPH M. HEIKOFF, Associate Professor of Regional Planning, in the Bureau of Community Planning, beginning January 1, 1959, at an annual salary of \$12,000 (AY).

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

**LEAVE OF ABSENCE FOR DR. HUBERT R. CATCHPOLE**

(2) Dr. Hubert R. Catchpole, Research Associate Professor of Pathology in the College of Medicine, has requested a leave of absence, on full pay, for six months beginning March 1, 1959, so that he may take advantage of an opportunity to do research with Dr. N. Eeg-Larson in his laboratory at the State Dental School in Oslo, Norway. The opportunity for this research did not develop until recently, so that Dr. Catchpole was unable to submit his application for leave last year at the time sabbatical leaves for the academic year 1958-59 were under consideration. To postpone this program until next year would impose a personal hardship and would be unadvisable professionally. Dr. Catchpole has been a member of the faculty since 1946 and has had no previous sabbatical leave.

Because of the unusual circumstances, all recommending officers concerned support the application on its merits and recommend that the technical question of lateness be waived and that the leave be approved.

I concur.

On motion of Mrs. Watkins, this leave was granted.

**CHANGES IN BASIC KNOWLEDGE AND ADMISSION REQUIREMENTS  
IN THE COLLEGE OF LIBERAL ARTS AND SCIENCES**

(3) The Urbana Senate recommends the following changes in the basic knowledge required for admission to the College of Liberal Arts and Sciences, effective September 1, 1961:

1. Dropping of the requirement that students who enter the general curriculum in liberal arts and sciences as freshmen (or who enter other schools and subsequently transfer to the College) and who lack one unit of American history in high school must take History 151, History of the United States to 1865, and History 152, History of the United States from 1865 to the Present.
2. Altering of the provision that now requires entering students who lack two units of high school credit in mathematics (one unit in algebra and one unit in plane geometry) to take Mathematics 101 and 102, Basic Mathematics, to a non-waiver requirement for admission to the College of two years of college preparatory mathematics consisting of one unit in algebra and one unit in plane geometry, or at least their equivalent, as determined by the Department of Mathematics.

The Senate Coordinating Council has also approved these changes.  
I concur.

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

#### **REVISIONS IN THE PHYSICS CURRICULUM IN LIBERAL ARTS AND SCIENCES**

(4) The Urbana Senate and the Senate Coordinating Council recommend the following changes in the physics curriculum of the College of Liberal Arts and Sciences. These changes are designed to drop the former two-hour course in hygiene, reduce the minimum hours required for graduation from 126 to 124, and rearrange the work in the curriculum in a way to produce a more evenly balanced load.

Freshman year: Second semester, replace Mathematics 133 (three semester hours) with Mathematics 132 (five semester hours), both being first courses in calculus; discontinue Hygiene 101, Health Lectures (two semester hours).

Sophomore year: First semester, replace Mathematics 143 (five semester hours) with Mathematics 142 (three semester hours), both being second courses in calculus.

Junior year: First semester, replace eight semester hours of electives with four semester hours of electives.

Senior year: First semester, replace seven semester hours of electives with ten semester hours of electives.

Senior year: Second semester, replace ten semester hours of electives with eleven semester hours of electives.

I concur.

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

#### **REVISIONS IN THE FLORICULTURE CURRICULUM**

(5) The Urbana Senate and the Senate Coordinating Council recommend adoption of a revised curriculum in floriculture which includes changing the name of the division and of the degree offered from "Floriculture" and "Bachelor of Science in Floriculture" to "Floriculture and Ornamental Horticulture" and "Bachelor of Science in Floriculture and Ornamental Horticulture" respectively, and increasing the number of hours required for graduation from 126 to 130 exclusive of the two years of required physical education.

Most of the changes recommended are minor ones and the details are given in the attached report of the Committee on Educational Policy of the Urbana Senate, a copy of which is being filed with the Secretary of the Board for record.

I concur.

On motion of Mrs. Holt, this recommendation was approved.

#### **WAGE RATES OF LABORATORY MECHANICS**

(6) The Board of Trustees at its meeting on September 30, 1958, approved a procedure for the determination of wage rates for laboratory mechanics. The Director of Nonacademic Personnel reports that the procedure authorized has been followed and as a result the laboratory mechanics' group has been awarded an across-the-board adjustment of \$10.00 a month, effective July 1, 1958.

On motion of Mr. Swain, this award was confirmed.

#### **REVISION OF PROGRAM FOR CONSTRUCTION OF HOUSING**

(7) A comprehensive program for the construction of student and staff housing at Urbana-Champaign during the period of 1957-63 was recommended to and approved by the Board of Trustees on January 28, 1956.

In presenting this program the President stated that it would be subject to reappraisal and to revision in the light of such factors as new construction of private housing available and acceptable to students and staff in the local community and changes in enrollment projections which would affect the University's housing needs. A number of changes were recommended to and approved by the Committee on Buildings and Grounds at its meeting on December 17, 1958.

It is recommended that the Board authorize the President and the administrative staff to make future revisions as needed in the light of possible changing conditions, with the understanding that all such revisions will be submitted to the Committee on Buildings and Grounds for approval.

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

#### **SUBCONTRACT WITH THE KENTUCKY RESEARCH FOUNDATION**

(8) The University, under a cooperative arrangement with the Illinois State Water Survey, has entered into an agreement with the Army Signal Corps for a study of the measurement of intensity of surface precipitation by radar returns. It is desirable to gather data from various geographic locations. Thus far, data have been secured from the states of Florida and Oregon by entering into subcontracts with the Universities of Florida and Oregon.

It is now necessary to get data in Indonesia. The Kentucky Research Foundation has highly qualified personnel located in Indonesia who are willing to gather the necessary data and to make them available to the University. A subcontract with the Kentucky Research Foundation providing for these services at a cost of \$3,105 for the calendar year 1959 is proposed. This proposed subcontract has been approved by the Army Signal Corps, and payments thereunder will be from contract funds. The Vice-President and Comptroller recommends approval.

I concur.

On motion of Mrs. Holt, this subcontract was authorized.

#### **UNIVERSITY OF ILLINOIS LEGISLATION**

(9) It is recommended that the Board of Trustees authorize the President and other University officials to secure the introduction in the Seventy-first General Assembly of Illinois of bills for the following legislation, and to support their enactment:

1. Appropriation bills for the University's operating budget for 1959-61, the budget for the Institution for Tuberculosis Research, and the University's capital appropriations for 1959-61.
2. Legislation to increase the University's working cash fund from \$300,000 to \$500,000 as recommended by the auditors.
3. Legislation to give University police the same police powers as regularly constituted police officers, with authority to make arrests, to carry arms, and to perform other functions of peace and police officers while on duty and on or near University property.
4. Amendment of the law concerning compensation for services to bring it into conformity with necessary practices relating to retroactive salary adjustments, if in the opinion of the Legal Counsel, such amendments are desirable.
5. Amendments of the Act creating the University Retirement System of Illinois. It is the responsibility of the Board of Trustees of the University Retirement System of Illinois to secure the enactment of this legislation, but the University should support these measures to include:
  - a. More adequate provisions for survivors of participants in the System.
  - b. Increasing the present maximum of retiring allowances from \$4,500 to \$7,200 a year immediately, and eliminating the maximum completely in five years; and increasing the percentage maximum from 60 per cent to 70 per cent of final rate of earnings.
  - c. Correction of existing inequities, simplification of administration, and clarification of the intent of the present Act.
6. Amendments of the Act creating the University Retirement System, which the Board of Trustees of the Retirement System will support, but which should be sponsored by the University:
  - a. To include employees of the University of Illinois Foundation and the University of Illinois Alumni Association as participants with the employers' contributions paid by the Foundation and Association.
  - b. To authorize the Retirement Board to administer a program of hospital

and medical benefits, if funds for the program are appropriated by the Seventy-first General Assembly.

I concur.

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

#### **APPROPRIATION FOR LEGAL SERVICES**

(10) The Legal Counsel and the Vice-President and Comptroller recommend an appropriation of \$13,600 to the Legal Counsel's Office for employment of special counsel as required and approved by the Board of Trustees, and authorization of payments for such legal services as approved by the President of the University.

I concur.

On motion of Mr. Johnston, this appropriation was made, and authority was given as requested, by the following vote: Aye, Mrs. Holt, Mr. Hughes, Mr. Johnston, Mr. Livingston, Mr. Swain, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Bissell, Mr. Herrick, Mr. Stratton.

#### **RECOMMENDATIONS OF THE GEORGE A. MILLER ENDOWMENT COMMITTEE**

(11) The George A. Miller Endowment Committee submits the following recommendation and report of its action:

##### **Undergraduate Scholarships**

At its meeting on January 16, 1957, the Board of Trustees approved a recommendation from the Committee on the George A. Miller Endowment that funds for undergraduate scholarships be assigned as specifically approved annually by the Board of Trustees. Accordingly, the Committee requests an assignment of \$5,100 for the undergraduate scholarship program for the academic year 1958-59.

I recommend approval.

##### **Graduate Fellowships**

The Committee has authorized the Graduate College to use the \$3,600 (provided by the Miller Committee and approved by the Board of Trustees on December 17, 1957, for two graduate fellowships of \$1,800 each) together with an additional assignment of \$400 to increase the stipends of eight University graduate fellowships from \$1,500 to \$2,000. The eight fellowships will be called George A. Miller Fellowships and will be awarded to students in the non-scientific areas. This assignment is for the academic year, 1959-60, only.

Confirmation of this action is requested.

On motion of Mr. Williamson, these assignments were approved by the following vote: Aye, Mrs. Holt, Mr. Hughes, Mr. Johnston, Mr. Livingston, Mr. Swain, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Bissell, Mr. Herrick, Mr. Stratton.

#### **WOODROW WILSON FELLOWSHIP PROGRAM**

(12) The Woodrow Wilson National Fellowship Foundation of Princeton, New Jersey, has made a grant of \$30,000 to the University of Illinois. This is a subvention for the Graduate College representing \$2,000 for each of the fifteen Woodrow Wilson Fellows now enrolled at the University, and is apart from the stipends they are receiving during the current academic year, 1958-59. Three-fourths of the \$2,000 is to be used "for assisting beyond their first year of graduate work any students genuinely interested in a teaching career, whether or not they earlier received Woodrow Wilson Fellowships," and the other one-fourth is "to be available at the discretion of the institution, for strengthening its graduate program." This fellowship program is financed by the Ford Foundation.

I have accepted the grant for the University and report this for record.

This report was received for record.

## PURCHASES

(13) 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 bid.

I concur.

Item	Department	Vendor	Cost
One lot laboratory apparatus and equipment	General Chemical Stores	Schaar & Co., Chicago	\$12 056 39 f.o.b. delivered
Two-way mobile radio equipment consisting of two base stations with antennas, two mobile stations, one carter rotary converter, one portable radio unit, one set of accessories for installation	Electrical Engineering	General Electric Co., St. Louis, Mo.	3 570 00 f.o.b. delivered
One Richardson type R-4001 projection plate (camera) 16 mm. to 70 mm. variable speeds up to 24 frames per second with	Electrical Engineering	Richardson Camera Co., Inc., Burbank, Calif.	3 800 00 f.o.b. Burbank, Calif.
One type T-400 film transport mechanism and 35 mm. lens			
One high-speed analog-to-digital converter	Electrical Engineering	Epsco, Inc., Boston, Mass.	5 800 00 f.o.b. Boston, Mass.
One eight-channel digital magnetic tape recorder with tape speeds of 75, 37½, 9, and 4 in. per second	Electrical Engineering	Ampex Corp., Villa Park	9 090 00 f.o.b. Redwood City, Calif.
Library furniture for Biology Building 18 tables 90 chairs 12 stools 7 card cabinets 1 atlas case 1 exhibit case 6 book trucks 1 charging desk 1 dictionary stand 1 book display holder 84 ft. of book shelving	Library	Blackwell Wielandy Co., St. Louis, Mo.	14 911 04 f.o.b. delivered and installed
One two-channel DC amplifier and one four-channel ink-writing oscillograph	Otolaryngology	Brush Instrument Co., c/o Hugh Marsland & Co., Chicago	2 715 00 f.o.b. Cleveland, Ohio
One infrared spectrophotometer and accessories	Pharmacy & Chemistry, Chicago Professional Colleges	Beckman Instruments, Inc., Chicago	17 788 50 f.o.b. Fullerton, Calif.
One grand piano, Style B, Steinway, ebony finish, less trade-in for one Conover grand piano	School of Music	Lyon & Healy, Inc., Chicago	3 318 50 f.o.b. Urbana
One harpsichord	School of Music	Hubbard & Dowd, Inc., Waltham, Mass.	3 650 00 f.o.b. Waltham, Mass.
Eight issues of the <i>Illinois Journal of Mathematics</i> to be printed and bound	Mathematics	Waverly Press, Inc., Baltimore, Md.	24 000 00 f.o.b. Baltimore, Md.
1,500 copies <i>The Mother-Child Interaction in Psychosomatic Disorders</i> , by Ann M. Garner and Charles Wenar, to be printed and bound	University Press	Pantagraph Printing & Stationery Co., Bloomington	3 235 00 f.o.b. delivered
25,000 copies second semester Time Tables to be printed and bound	University Press	The Interstate Printers & Publishers, Inc., Danville	5 613 45 f.o.b. delivered
300 reams 25 x 38 60-lb. white No. 1 English finish book paper	Office Supply Stores	Dwight Bros. Paper Co., Chicago	2 707 74 f.o.b. delivered
65,400 reams 16 lb. substance white No. 4 sulphite mimeograph bond paper. (This is an estimated annual requirement for Urbana and Chicago and is to be shipped in approximately four equal shipments, March, June, and November, 1959, and February, 1960.)	Office Supply Stores	Bradner Smith & Co., Chicago	38 492 00 f.o.b. delivered

<i>Item</i>	<i>Department</i>	<i>Vendor</i>	<i>Cost</i>
One multiple head paper drill with accessories, less trade-in allowance for a Challenge drill, serial No. 2065	Print Shop	Nygren-Dahly Co., Chicago	\$2 976 40 f.o.b. delivered
100 cases toilet tissue	Physical Plant	Westervelt Paper Co., Decatur	2 827 30 f.o.b. delivered
100 cases paper hand towels			3 866 00 f.o.b. delivered and installed
Furnish and install new plunger, complete with nipples, packing, top and bottom plugs, on Otis elevator at Agronomy Seed House	Physical Plant	Otis Elevator Co., Springfield	4 775 89 f.o.b. Urbana
44,676 pounds steel pipe, black and galvanized, in various sizes from ¾ in. to 4 in.	Physical Plant	Macon Supply Co., Decatur	

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

#### COMPTROLLER'S REPORT OF CONTRACTS

(14) The Comptroller's report of contracts executed during the period December 1 to 31, 1958.

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
American Food Laboratories, Inc.	Liquid stabilizers in high temperature processing of ice cream mixes	\$ 3 000 00	December 3, 1958
City of Mattoon	Recreation survey of Mattoon, Illinois	499 50	November 4, 1958
Glenco Motors, Inc.	Soliciting limousine and taxicab passengers within the airport terminal area	275 00 a month (January 1, 1959-December 31, 1961)	December 18, 1958
Illinois Liquid Fertilizer Association	Comparison in field trials of liquid and dry fertilizers	1 500 00	June 1, 1958
United States Army DA-11-022-ORD-2943	Radiometric missile tracking for lunar probe	6 029 00	November 26, 1958
United States Army DA-22-079-ENG-240	Dynamic bearing capacity of soils	36 790 00	October 15, 1958
United States Department of Agriculture 12-14-100-2619(74)	Changes that occur in spores of bacillus thermoacidurans when subjected to severe heat	19 434 00	November 26, 1958
United States Department of Health, Education, and Welfare, Office of Education	Surveys and demonstrations in the field of education	35 850 00	December 1, 1958
United States Navy Nop-906	Educational instruction and other required services	557 50	November 26, 1958
United States Steel Corp.	Segregation of materials in bulk-blended fertilizers and variability in field application	15 000 00	December 1, 1958
Wauconda Community Consolidated Grade School, District No. 86	School building survey	1 000 00	November 18, 1958
Wauconda Township High School, District No. 118	School building survey	1 000 00	November 18, 1958

#### Leases

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid by the University</i>	<i>Effective Date</i>
Badger Northland, Inc.	One twelve-inch silo unloader	\$ 100 00 annually	November 19, 1958
Starline, Inc.	One No. 29 twelve-inch silo unloader with attachments	100 00 annually	November 18, 1958

#### Contract Changes

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
Battle Creek Equipment Co.	Dynamic exercisers for conditioning purposes	\$ 1 200 00	November 20, 1958
Corn Products Refining Co.	Carbohydrates and unidentified growth factors for the baby pig	1 500 00	October 1, 1958

<i>With Whom</i>	<i>Purpose</i>	<i>Amount to be Paid to the University</i>	<i>Effective Date</i>
United States Air Force AF 33(616)-3789	Alloying of the transition metals	\$38 090 00	October 20, 1958
United States Army DA-49-007-MD-544	Nutritive value of major nutrients of irradiated food	30 000 00	October 31, 1958
United States Army DA-49-129-ENG-393	Multiple-panel reinforced concrete floor for buildings	10 000 00	November 5, 1958
United States Atomic Energy Commission AT(11-1)67 Project No. 2	Nutritional biochemistry on the metabolism of vitamins and amino acids	10 000 00	December 3, 1958
United States Atomic Energy Commission AT(11-1)-67 Project No. 3	Mechanism of substitutional diffusion in metals	49 456 00	October 1, 1958
United States Atomic Energy Commission AT(11-1)67 Project No. 12	Metabolism of amino acids labeled with radioactive carbon	5 500 00	October 1, 1958
United States Navy Nonr-1834(02)	Development of radio wave direction-finding techniques	50 000 00	November 4, 1958
United States Navy Nonr-1834(24)	Action of chemotherapeutic agents	49 479 00	October 29, 1958
Upjohn Co.	New antibiotics	6 000 00	August 27, 1958

#### Adjustments Made in 1958-59 Cost-Plus Contract

<i>With Whom</i>	<i>Purpose</i>	<i>Amount</i>	<i>Date</i>
E. T. Drewitch (Plastering)	Thirty-five items: \$262.04 deduct to \$600.00	\$ 2 639 58	November and December, 1958

This report was received for record.

#### COLLEGE OF NURSING

(15) The Vice-President in charge of the Chicago Professional Colleges recommends that the name of the School of Nursing be changed to the College of Nursing.

In 1952 the Senate Committee on Educational Policy made a comprehensive report to the President of the University on nursing education at the University of Illinois and a number of recommendations, including a four-year curriculum leading to the degree of Bachelor of Science in Nursing and the change in name. The Senate and Board approved the curriculum which began September, 1953. Action on the change in name has been withheld pending development of the educational program. In the meantime, the curriculum has been accredited by the National League for Nursing's Collegiate Board of Review.

I recommend approval of the change in name. With this change all degree-granting units of the University will be named colleges.

On motion of Mrs. Watkins, this recommendation was approved.

#### UNIVERSITY PROGRAM FOR SUPERIOR STUDENTS

(16) Following the recommendations of a Committee on Programs for Superior Students appointed by the Vice-President and Provost, the Urbana Senate on December 8, 1958, adopted the following program:

1. That the Urbana Senate approve the principle of special curricular arrangements for superior undergraduate students, designed to match their capacity to learn more quickly than the average and to handle studies of greater difficulty and maturity.
2. That the President appoint a University Director of Honors Programs, whose duty it shall be to encourage the establishment of special programs for superior students at all levels of the several undergraduate curricula, and to superintend the selection and retention of students in the group to be admitted to these programs.
3. That the President appoint a Faculty Honors Council to work with the Director of Honors Programs.
4. That beginning with the freshman class entering in September, 1959, or at such later date as he may fix if that seems necessary and desirable, the Director of Honors Programs shall, in advance of registration, select a



group of superior students to consist of about 3 to 5 per cent of the entering class, on the basis of such information as may be available concerning scholastic aptitude and accomplishment. Sources of information might be:

- a. Examination of high school transcripts for evidence of substantial academic training.
  - b. Performance on available tests taken in high school (for example, National Merit Scholarships, College Entrance Examination Board tests).
  - c. Over-all standing in the high school class.
  - d. Recommendations from the high school principal and teachers.
  - e. Personal interview.
5. That the members of this group be known as Edmund J. James Scholars.
  6. That as far as possible, James Scholars shall be taught in special courses or sections designed to exercise to the full their academic capabilities.
  7. That the inclusion of sophomores in the group of James Scholars begin in the second year, of juniors in the third year, and of seniors in the fourth year after the program is established.
  8. That the Director and Council be authorized to drop students from the group or add students to it at the beginning of any semester.
  9. That it be understood that the several colleges retain the right to formulate criteria for the granting of college honors and departmental distinction at graduation.
  10. That the Director and Council be encouraged to formulate and propose measures for improving the University's educational program for superior students, for stimulating such students to their best efforts, and encouraging them by providing physical facilities conducive to study.
  11. That the Director be authorized to publicize the University's plans for superior students.

The Chicago Professional Colleges and the Chicago Undergraduate Division will participate in this program with whatever modifications may be recommended by their Senates to meet the special problems existing on those campuses.

I recommend approval of this program.

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

#### **APPOINTMENTS OF DIRECTOR AND ASSOCIATE DIRECTOR OF UNIVERSITY HONORS PROGRAMS AND OF ASSOCIATE DEAN OF THE COLLEGE OF LIBERAL ARTS AND SCIENCES**

(17) The Committee on Programs for Superior Students and the Vice-President and Provost recommend the appointment as of February 1, 1959, of Professor R. E. Johnson, Head of the Department of Physiology, as Director of University Honors Programs, and of Dr. Jum C. Nunnally, Jr., Assistant Professor of Psychology, as Associate Director of Honors Programs. These appointments are to be effective until August 31, 1959, and may be renewed from year to year.

Dean Lyle H. Lanier of the College of Liberal Arts and Sciences recommends the appointment of Dr. J. C. Nunnally, Jr. as Associate Dean of the College effective September 1, 1959. His work as Associate Dean will be closely related to the honors program.

I recommend approval of these appointments and request authorization to approve such adjustments in the salaries of these men as are appropriate for the additional responsibilities they will assume. When the formal appointments have been processed, they will be included in the Secretary's report to the Board of appointments approved by the President of the University.

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

#### **AWARD OF CONTRACT FOR ABBOTT POWER PLANT ADDITION**

(18) The Director of the Physical Plant and the Vice-President and Comptroller recommend the award of a contract for \$26,159 to Gallaher and Speck, Chicago, for water-softening equipment and dust elimination equipment for the addition to Abbott Power Plant.

Funds are available in the special state appropriation for this addition.

I concur.

The Secretary presented a letter, dated January 16, 1959, addressed to the Board of Trustees from the Ideal Heating Company, Chicago,

requesting that the contract be awarded to that Company on the ground that it submitted the lowest bid.

Director C. S. Havens reported that this Company's bid was incomplete, did not comply with all of the bidding specifications and instructions, and that in the opinion of his staff, the deficiencies were sufficiently material that they should not be waived in fairness to other contractors who submitted complete bids.

Mr. Williamson stated that this matter had previously been submitted to the Committee on Buildings and Grounds, and that the Committee was prepared to support the recommendation.

On motion of Mr. Williamson, the contract was awarded to Gallaher and Speck, as recommended.

#### **CHARGES FOR CENTRAL FOOD STORES BUILDING AND SNACK BAR AND SERVICE BUILDING**

The Comptroller and the Secretary of the Board presented the following resolution recommended for adoption by bond counsel in connection with the issuance of "The Board of Trustees of the University of Illinois Housing Revenue Bonds."

#### **Resolution**

*Resolved* that the rates and charges to be made for services of the Central Food Stores Building and the Snack Bar and Service Building, constituting a portion of Project No. Ill. 11-CH-45(S), shall be in such amounts as shall from time to time be established by the administrative officials of the University but not less than an amount which will produce the estimated revenues for said facilities set forth in the official Bond Statement of the University relating to the Housing Revenue Bonds of 1958.

On motion of Mr. Swain, this resolution was adopted by the following vote: Aye, Mrs. Holt, Mr. Hughes, Mr. Johnston, Mr. Livingston, Mr. Swain, Mrs. Watkins, Mr. Wilkins, Mr. Williamson; no, none; absent, Mr. Bissell, Mr. Herrick, Mr. Stratton.

#### **FEBRUARY AND MARCH MEETINGS**

President Livingston reminded the Board that it had previously voted to hold its February meeting in Chicago, on Thursday, February 19, 1959, and that the annual meeting is scheduled to be held in Urbana, on Tuesday, March 10, 1959, unless changed by the Board.

He stated that some of the Trustees have informed him that they can not attend a meeting on March 10, and he asked if the Board desired to take any action regarding the matter. The three Trustees-elect, who will take office on March 10, and who were present as guests of the Board, were consulted and stated that they would be willing to have the meeting postponed to a later date.

On motion of Mrs. Watkins, the Board voted to change the date of its 1959 annual meeting from March 10 to March 12, said meeting to be held in Urbana.

#### **AUDIT OF UNIVERSITY ACCOUNTS**

The Secretary reported that he received and distributed to all members of the Board of Trustees signed copies of the report from Ernst and Ernst, Chicago, of their audit of the University of Illinois accounts for the year ended June 30, 1958. A copy has been retained in the files of the Secretary.

A signed copy of this report has also been sent by Ernst and Ernst to the Auditor General.

### SECRETARY'S REPORTS

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

BILLINGER, WILBERT, Registered Pharmacist in Hospital Pharmacy (Research and Educational Hospitals), nine months from December 1, 1958, \$5600 a year, supersedes (12-9-58).

BLUCHER, WALTER H., Visiting Professor of City Planning, February 1-June 15, 1959, to render service during the second semester of the academic year, \$5000 (12-18-58).

BREEN, JOHN D., Registered Pharmacist in Hospital Pharmacy (Illinois Eye and Ear Infirmary), nine months from December 1, 1958, \$5600 a year (12-9-58).

BROWN, DAVID V. L., Clinical Instructor in Ophthalmology (Medicine), November 25, 1958-August 31, 1959, without salary (12-18-58).

COLVIN, JAMES C., Executive Secretary of the University of Illinois Foundation, 42/100 time, four months from September 1, 1958; Executive Director for six months from January 1, 1959, \$5840 a year, supersedes (12-8-58).

CULBERTSON, TOWNLEY P., Research Associate in Chemistry, November 16, 1958-August 31, 1959, \$5370 a year, supersedes (12-9-58).

DOUGHERTY, EDITH C., Research Assistant in Preventive Medicine (Medicine), November 4, 1958-August 31, 1959, \$5200 a year (12-9-58).

EISENBART, NANCY A., Registered Pharmacist in Hospital Pharmacy (Illinois Eye and Ear Infirmary Pharmacy), nine months from December 1, 1958, \$5600 a year, supersedes (12-9-58).

FAGO, CLIFFORD E., Research Assistant in Forestry (S), seven months from December 1, 1958, \$2800 (12-19-58).

FISHER, WALTER E., Research Associate in Civil Engineering (S), eight months from January 1, 1959, to render service during the academic year, \$6100 a year, supersedes (12-20-58).

FRIEDERICI, HARTMANN, Instructor in Pathology (Medicine), six months from January 1, 1959, \$5400 a year, supersedes (12-18-58).

GARBER, RALPH J., Professor of Plant Breeding (Agronomy) (College of Agriculture, assigned to India under provisions of Contract ICA-W-48), January 29-April 8, 1959, \$1000 a month (12-19-58).

GILLETTE, HOWARD E., Clinical Instructor in Oral and Maxillofacial Surgery (Dentistry) and in Surgery (Medicine), November 21, 1958-August 31, 1959, without salary (12-9-58).

HALL, BUFORD, Assistant Professor of Medicine (Medicine), eight months from January 1, 1959, without salary, supersedes (12-9-58).

KAHN, HERBERT, Research Associate in Clinical Science (Medicine), one year from September 1, 1958, without salary (12-9-58).

LEKAN, EUGENE C., Assistant in Oral and Maxillofacial Surgery (Dentistry), nine months from December 1, 1958, without salary (12-18-58).

MACGREGOR, JAMES G., Research Associate in Civil Engineering (S), February 1-June 15, 1959, \$522.22 a month, supersedes (12-30-58).

MOHAN, RAM N., Instructor in Veterinary Pathology and Hygiene (Veterinary Medicine) and in Veterinary Research (Agricultural Experiment Station), 3/4 time, seven months from February 1, 1959, \$4350 a year (12-3-58).

PARKS, JOE M., Research Associate in Chemistry, January 16-August 31, 1959, \$6800 a year (12-30-58).

ROGERS, BRUCE, Instructor in Theoretical and Applied Mechanics (C), 1/2 time, six months from February 1, 1959, to render service during the second semester of the academic year, \$208.33 a month, supersedes (12-20-58).

- ROSENSTEIN, HERBERT R., Instructor in Applied Materia Medica and Therapeutics (Dentistry),  $\frac{1}{2}$  time, November 13, 1958-August 31, 1959, \$2600 a year (12-18-58).
- SCHOONOVER, WARREN R., Professor of Soils (Agronomy) (College of Agriculture, assigned to India under the provisions of Contract ICA-W-48), January 25-June 30, 1959, \$1250 a month (12-19-58).
- SKOLNIK, EMMANUEL M., Otolaryngologist in the Division of Services for Crippled Children,  $\frac{2}{10}$  time, eight months, and Associate Professor of Otolaryngology (Medicine),  $\frac{5}{10}$  time, indefinite tenure, January 1, 1959, \$6500 a year, supersedes (12-18-58).
- SNITMAN, MAURICE F., Clinical Associate Professor of Otolaryngology (Medicine), indefinite tenure beginning January 1, 1959, without salary, supersedes (12-18-58).
- SOBOROFF, BURTON J., Associate Professor of Otolaryngology (Medicine),  $\frac{1}{2}$  time, indefinite tenure beginning January 1, 1959, \$4850 a year, supersedes (12-18-58).
- WEBSTER, GEORGE L., Professor of Chemistry (Pharmacy), indefinite tenure, and Dean of the College of Pharmacy, eight months, from January 1, 1959, \$16,000 a year, supersedes (12-9-58).
- WHITNEY, GREENE R., Research Assistant in Preventive Medicine (Medicine), six months from December 1, 1958, \$4800 a year (1-5-59).

#### GRADUATE FELLOWS

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

- AHRENKIEL, RICHARD K., Fellow in Physics, February 1-June 15, 1959, \$750 (12-15-58).
- BROCK, JARRETT E., Fellow in Philosophy, February 1-June 15, 1959, \$750 (12-15-58).
- CAREY, JAMES W., Fellow in Communications, February 1-June 15, 1959, \$750 (12-15-58).
- CLAFLIN, PATRICIA, Fellow in Mathematics, February 1-June 15, 1959, \$750 (12-15-58).
- DESAI, GAUTAM V., Fellow in Mechanical Engineering, February 1-June 15, 1959, \$750 (12-15-58).
- DOUGLAS, GEORGE H., Fellow in Philosophy, February 1-June 15, 1959, \$750 (12-15-58).
- FELDEN, ANN, Fellow in Physiology, February 1-June 15, 1959, \$750 (12-15-58).
- FULLER, RAMON C., Fellow in Music, February 1-June 15, 1959, \$750 (12-15-58).
- GATZ, CAROLE R., Fellow in Chemistry, February 1-June 15, 1959, \$750 (12-15-58).
- GULICK, JOSEPH, United States Public Health Service Fellow (Trainee) in Psychiatry (Chicago Professional Colleges), November 16, 1958-June 30, 1959, \$60 a month (12-12-58).
- HENSEL, RICHARD, Fellow in Music, February 1-June 15, 1959, \$750 (12-15-58).
- ISAACS, BILL J., Fellow in History, February 1-June 15, 1959, \$750 (12-15-58).
- JOICHI, JAMES T., Fellow in Mathematics, February 1-June 15, 1959, \$750 (12-15-58).
- JUN, SUNGJOOK, Fellow in Political Science, February 1-June 15, 1959, \$750 (12-15-58).
- KAHL, SUSAN J., Fellow in Education, February 1-June 15, 1959, \$750 (12-15-58).
- KANE, HARRISON, Fellow in Civil Engineering, February 1-June 15, 1959, \$750 (12-15-58).
- LARSON, JOHN G., Fellow in Chemistry, February 1-June 15, 1959, \$750 (12-15-58).
- MILLER, WILLIAM A., Fellow in the Chicago Professional Colleges, three months from January 1, 1959, \$666.66 (12-1-58).
- O'FLANAGAN, KATHLEEN A., Fellow in Sociology, February 1-June 15, 1959, \$750 (12-15-58).
- PAISLEY, NANCY S., Fellow in Chemistry, February 1-June 15, 1959, \$750 (12-15-58).
- PUGLIA, CHARLES R., Fellow in Zoology, February 1-June 15, 1959, \$750 (12-15-58).
- ROBERTSON, MARJORIE A., Fellow in Music, February 1-June 15, 1959, \$750 (12-15-58).

THOMPSON, DENNIS P., United States Public Health Service Medical Student Part-time Research Fellow (Trainee) (Chicago Professional Colleges), nine months from September 16, 1958, \$600 (12-8-58).

TOBIN, DON G., Fellow in Geology, February 1-June 15, 1959, \$750 (12-15-58).

WALLACE, WILLIAM H., Fellow in Economics, February 1-June 15, 1959, \$750 (12-15-58).

WENZ, DONALD A., Fellow in Chemistry, February 1-June 15, 1959, \$750 (12-15-58).

YAU, SIK-SANG, Fellow in Electrical Engineering, February 1-June 15, 1959, \$750 (12-15-58).

#### RESIGNATIONS AND DECLINATIONS

BUNCE, D. F. M., United States Public Health Service Fellow (Trainee) in Anatomy (Chicago Professional Colleges) — resignation effective December 1, 1958.

CHEN, SHIH DZUNG, Assistant Professor of Home Economics — resignation effective January 27, 1959.

COOMBS, ALAYNE, United States Public Health Service Fellow (Trainee) in Psychiatry (Chicago Professional Colleges) — resignation effective November 1, 1958.

DESHPANDE, MURLIDHAR V., Visiting Assistant Professor of Electrical Engineering — resignation effective February 1, 1959.

DREYER, LEROY L., Research Assistant in Electrical Engineering — resignation effective January 15, 1959.

ENDO, ROBERT M., Assistant Professor of Plant Pathology — resignation effective December 27, 1958.

FISCHER, JOHN L., Assistant in Chemistry (Pharmacy) — resignation effective January 1, 1959.

FRANKENFELD, ROBERT, United States Public Health Service Fellow (Trainee) in Anatomy (Chicago Professional Colleges) — resignation effective January 1, 1959.

FREYER, WARREN R., Instructor in English (Chicago Undergraduate Division) — resignation effective March 1, 1959.

GRAHAM, HORACE D., Assistant in Food Technology — resignation effective January 1, 1959.

HENRY, BOYD A., Assistant in Agricultural Economics — resignation effective January 12, 1959.

HUISKAMP, W. J., Research Associate in Physics — resignation effective January 3, 1959.

JOICHI, JAMES T., Fellow in Mathematics — declination effective February 1, 1959.

KALLINTERIS, DEMETRIUS, Physician in the Health Service (Chicago Professional Colleges) — resignation effective January 1, 1959.

KUZMANIC, MRS. BETTY W., Instructor in Mathematics (Chicago Undergraduate Division) — resignation effective March 1, 1959.

LECHOWICH, RICHARD V., Assistant in Food Technology — resignation effective December 1, 1958.

LE MOINE, SHARON, Fellow in Chemistry — resignation effective February 1, 1959.

MATTESON, JOHN W., Research Associate in Agricultural Entomology — resignation effective January 1, 1959.

MCGREER, DONALD E., Fellow in Chemistry — resignation effective January 1, 1959.

MORTLOCK, ROBERT P., Research Assistant in Bacteriology — resignation effective December 27, 1958.

RADEKE, LOIS A., Fellow in English — resignation effective November 1, 1958.

SHUSTER, C. W., Research Associate in Chemistry — resignation effective December 6, 1958.

SUTOR, PEGGY M., Undergraduate Library Assistant, with rank of Instructor — resignation effective February 1, 1959.

TAGGART, DONALD L., Instructor in Animal Science — resignation effective December 19, 1958.

TICHELAAR, GERRIT W., Research Associate in Physics — resignation effective February 10, 1959.

TOBIN, DON G., Fellow in Geology — declination effective February 1, 1959.

YOKOYAMA, KATSUYUKI, Assistant Professor of Biological Sciences (Chicago Undergraduate Division) — resignation effective March 1, 1959.

#### LEAVES OF ABSENCE

- BRADEN, BETTY J., Henderson County Home Adviser — sick leave of absence with full pay extended for additional two months, through November 30, 1958; thereafter she will be on leave of absence, without pay, for an indefinite period.
- BURGER, AMBROSE W., Associate Professor of Agronomy (C and S) — leave of absence on account of illness, with full pay, for three months from November 4, 1958.
- BURNSTOCK, MRS. NOMI, Research Assistant in Animal Science (S) — leave of absence, without pay, from December 18, 1958, through January 7, 1959.
- DIETER, OTTO A., Associate Professor of Speech — sick leave of absence with full pay beginning November 24, 1958, and continuing through January 31, 1959.
- MEAGHER, RALPH E., Research Professor of Physics and of Electrical Engineering (C), and Head of the Digital Computer Laboratory (Graduate College) — leave of absence, without pay, for one year beginning April 1, 1959.
- PFLANZE, OTTO P., Assistant Professor of History — sick leave of absence with full pay from December 4, 1958, to February 1, 1959.
- REYNOLDS, HELEN M., Assistant Architecture Librarian, with rank of Assistant Professor — leave of absence, without pay, for five months beginning February 1, 1959, so that she may accept an appointment with the University of Texas.
- SNADER, DANIEL W., Professor of Education (College of Education and Division of University Extension) — leave of absence, without pay, for three years beginning March 1, 1959, so that he may serve as Specialist for Secondary School Mathematics on the staff of the United States Office of Education.
- YOUNG, GEORGE A., Associate Professor of Civil Engineering (C) — leave of absence, without pay, beginning March 1, 1959, and continuing through February 29, 1960, so that he may accept an assignment with the Air Force Ballistic Missile Division in Inglewood, California.

#### EXECUTIVE SESSION

At this point an executive session was requested and ordered for consideration for the following item of business.

#### RECOMMENDATIONS OF THE UNIVERSITY PATENT COMMITTEE

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

1. Apparatus for scanning stains or images on film for automatic sizing and counting — John Edwin Pearson, Professor of General Engineering, inventor. This is a mechanical scanning technique and may be compared to a simple slide projector in which the projector is revolved so that the picture on the screen is moved past a photo-multiplier tube.

This invention had been referred to the University of Illinois Foundation for study, and that agency has reported that it is very doubtful that there is any commercial value to the device. Accordingly, the Committee recommends that the invention be released to the inventor with the stipulation that if he files for a patent, he will recognize the contractual obligations to the sponsoring agency, the Air Force; that if he does not file for a patent, he will release all his rights in the invention to the sponsoring agency; and that the University is to execute all documents necessary to accomplish this.

2. Non-planar logarithmically periodic antenna structures — Dwight E. Isbell, Antenna Technician, Department of Electrical Engineering, inventor; and uni-directional equiangular spiral antenna — John D. Dyson, Assistant Professor and Assistant Research Professor of Electrical Engineering, inventor. These inventions are advanced antenna structures which are novel because they operate over a large range of frequencies, together with other advantages over existing antenna structures.

They are very closely related to the antenna invention of R. H. DuHamel that was released to the University of Illinois Foundation on June 19, 1958. For this reason and because of the commercial possibilities of these inventions, the Patent Committee recommends that they be released to the Foundation, duly recognizing the obligations to the sponsoring agency, the Air Force.

3. Alkylation of purines and pyrimidines—Terrell C. Myers, Assistant Professor of Biological Chemistry, College of Medicine, and Lowell D. Zeleznick, Research Assistant in Biological Chemistry, College of Medicine, inventors. Procedures have been developed for the alkylation of purines and pyrimidines by means of quaternary ammonium salts. These procedures give rise to certain purine and pyrimidine derivatives of potential biological activity. Some of these derivatives are new compounds.

After discussing the opinion of the Head of the Biological Chemistry Division of the College of Medicine and of the Vice-President in charge of the Professional Colleges that the commercial possibilities of these compounds are remote, the Patent Committee recommends that this invention be released to the inventors with the stipulation that the contractual rights of the sponsoring agency, the United States Public Health Service, be recognized.

4. Double-refraction by rotating electric fields—Don F. Holshouser, Research Assistant Professor of Electrical Engineering, inventor. The purpose of this invention is to effect variations in the optical anisotropy of media which exhibit the Kerr effect.

The Patent Committee concurs in the opinion of the Head of the Electrical Engineering Department that this invention has little or no commercial possibility and recommends that it be released to the inventor with the stipulation that if he files for a patent, he will recognize the contractual obligations to the sponsoring agency, the Air Force; that if he does not file for a patent, he will release all his rights in the invention to the sponsoring agency; and that the University is to execute all documents necessary to accomplish this.

I concur in these recommendations.

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

On motion of Mrs. Watkins, the Board adjourned.

A. J. JANATA  
*Secretary*

PARK LIVINGSTON  
*President*