## **MEETING OF THE BOARD OF TRUSTEES**

OF THE

# **UNIVERSITY OF ILLINOIS**

April 14, 1937 With Adjourned Sessions of April 26 and May 3, 1937



The April meeting of the Board of Trustees of the University of Illinois was held at the University, in Urbana, at 9:30 a.m. on Wednesday, April 14, 1937.

The following members were present: President Karraker, Mr. Adams, Mr. Cleary, Mr. Mayer, Mr. Moschel, Mrs. Plumb, Mr. Pogue.

President Willard was present; also Mr. A. J. Janata, Assistant to the President, Professor Lloyd Morey, Comptroller, and, during part of the day, Judge Sveinbjorn Johnson, University Counsel.

## MINUTES APPROVED

The Secretary presented the minutes of the meeting of March 9, 1937.

On motion of Mr. Pogue, the minutes were approved as printed on pages 191 to 206 above.

## MATTERS PRESENTED BY PRESIDENT WILLARD

The Board considered the following matters presented by the President of the University.

## THE BIENNIAL BUDGET FOR 1937-1939

(1) A report of the conference with the Governor, the Director of Finance, and Subcommittees of the Senate and House Appropriations Committees on March 30, and a subsequent conference with the Director of Finance on April 5 concerning the University's budget for 1937-1939.

This matter was discussed at length.

Mr. Adams presented the following resolution:

In view of the present economic and tax situations, and with a desire to cooperate to the fullest possible extent, *Be it resolved*, that the Board postpone for a period of two years its request for an appropriation of \$250,000 for the first unit of a building for Journalism and other subjects, to be built at Urbana.

On motion of Mr. Adams, this resolution was adopted, by the following vote: Aye, Mr. Adams, Mr. Cleary, Mr. Karraker, Mr. Mayer, Mrs. Plumb; no, Mr. Moschel, Mr. Pogue; absent, Mrs. Freeman, Mr. Horner, Dr. Meyer, Mr. Wieland.

On motion of Mr. Mayer, the following resolution was unanimously adopted, by a vote of record:

Be it resolved, that the Board of Trustees of the University of Illinois believes that it has presented the minimum budget necessary to maintain the efficiency and standing of the University, in the face of increased and increasing enrollment, the need of recognizing merit and development in our faculties, and the fact that there have been no space additions to the University at Urbana in the last six years. The budget represents the results of intensive study on the part of the faculty, the administrative officers, and the Board of Trustees for nearly a year and a half. The Board has already made reductions of 1,253,000 in the carefully prepared estimates of department heads and administrative officers, and in addition a request for \$250,000 for an additional building has been withdrawn from the budget as of this date.

#### INTRODUCTION OF BILL FOR APPROPRIATIONS FOR BIENNIUM 1937-1939

(2) Action should be taken at this meeting authorizing the introduction in the 60th General Assembly of bills making appropriations to the University of Illinois for the biennium 1937-1939.

On motion of Mr. Cleary, the President of the University was authorized and instructed to secure the introduction into the General Assembly of the necessary appropriation bills for the next biennium, and to take charge of the matter from now on.

#### UNIVERSITY OF ILLINOIS FUND

(3) Mr. H. M. Adams has asked that the legislation relating to the University of Illinois Fund, or Mill Tax Fund, be considered at this meeting.

This matter was discussed.

On motion of Mr. Mayer, the President of the University was authorized to secure the introduction of the appropriation bill in form to provide that the appropriations by the General Assembly for the University shall be paid from the mill tax fund, in so far as there shall be money in this fund, and the rest from the general revenue fund of the State, and that if the purposes originally contemplated can be secured by this or by some other appropriate mode, the bill to amend the allocation of the mill tax fund be not pressed further.

## LEGISLATION TO TRANSFER SOUTHERN ILLINOIS STATE NORMAL UNIVERSITY TO THE UNIVERSITY OF ILLINOIS

(4) A bill was introduced in the 60th General Assembly on March 30 to provide for transfer of the management, operation, and control of the Southern Illinois State Normal University to the Board of Trustees of the University of Illinois to be operated as a branch of the latter. This bill was tabled by the House Committee on Education on April 8.

This report was received for record.

## LEGISLATION CONCERNING COUNTY SCHOLARSHIPS

(5) A report that there has been introduced in the 60th General Assembly a bill to increase the number of County Scholarships by providing annually one scholarship in each county having a population of less than 40,000, as at present, two such scholarships in each county having a population of 40,000 or more but less than 80,000, and three scholarships in each county having a population of 80,000 or more. This would result in a maximum addition of 30 new scholarships a year and ultimately would increase the maximum number of annual County Scholarships which might be in use from 102 to 258.

On motion of Mr. Cleary, the Board voted to go on record as opposing this bill.

## ADJUSTMENTS IN BUDGET

(6) A report of the following adjustments made in the budget for 1936-1937 during the third fiscal quarter ending March 31, 1936, in accordance with the authorization of the Board of Trustees in adopting the budget. An assignment of \$13,873 should be made from the General Reserve Fund to cover these items: Permanent additions to current budget:

Permanent additions to current budget: Supervision and high school instruction, salaries (in- crease in rate paid Henrietta P. Terry) Physical education, salaries (adjustment to salaries of W. S. Wilson and S. C. Staley)		350 800		
				\$1150 <i>0</i> 0
Temporary additions to current budget (present year only, part-time assistants):				
Business Office, wages		500	00	
Bacteriology, salaries		300	00	
Chemistry, salaries	I	855	00	
English, salaries	4	536	00	
German, salaries	•	300		
Mathematics, salaries		405	00	
Home economics, salaries		350	00	
Economics, salaries	Ι	050	00	
Business organization and operation, salaries		800	00	
Home economics education, salaries		187	00	
Journalism, salaries		240	00	
Journalism, wages		200		
-	<u>.</u>			12 723 <b>0</b> 0
Total additions				\$13 873 00

On motion of Mrs. Plumb, an appropriation of \$13,873 from the General Reserve Fund was made to cover these adjustments, by the

<sup>1</sup>Reported to Board of Trustees, February 27, 1937, page 190, but no appropriation made. <sup>2</sup>Reported to Board of Trustees, February 27, 1937, page 185, but no appropriation made. BOARD OF TRUSTEES

following vote: Aye, Mr. Adams, Mr. Cleary, Mr. Karraker, Mr. Mayer, Mr. Moschel, Mrs. Plumb, Mr. Pogue; no, none; absent, Mrs. Freeman, Mr. Horner, Dr. Meyer, Mr. Wieland.

## APPROPRIATION FOR ENGINEERING EXPERIMENT STATION PUBLICATIONS

(7) A recommendation that an assignment of \$2,000 be made from the General Reserve Fund for the publication of manuscripts representing results of the research work of the Engineering Experiment Station.

On motion of Mr. Mayer, this appropriation was made as recommended, by the following vote: Aye, Mr. Adams, Mr. Cleary, Mr. Karraker, Mr. Mayer, Mr. Moschel, Mrs. Plumb, Mr. Pogue; no, none; absent, Mrs. Freeman, Mr. Horner, Dr. Meyer, Mr. Wieland.

#### APPROPRIATION OF RECEIPTS OF DEPARTMENT OF HORTICULTURE

(8) A recommendation that an appropriation of \$1,221 be made to the Department of Horticulture from the unappropriated receipts of the Department for the purchase of equipment. The Department has a sufficient balance in the unappropriated agricultural income for Horticulture fund for this purpose.

On motion of Mr. Adams, this appropriation was made, as recommended, by the following vote: Aye, Mr. Adams, Mr. Cleary, Mr. Karraker, Mr. Mayer, Mr. Moschel, Mrs. Plumb, Mr. Pogue; no, none; absent, Mrs. Freeman, Mr. Horner, Dr. Meyer, Mr. Wieland.

## ASSIGNMENTS OF ATHLETIC ASSOCIATION

(9) The Board of Directors of the Athletic Association has made the following assignments from its reserve fund which are submitted to the Board of Trustees for its approval:

Adjustment in salary of J. T. Beynon	\$ 200 00	
Painting steel work at Stadium	1 000 00	
Gold basketball emblems	115 00	
Inaugural banquet for new Director	400 00	
Contribution to University of Illinois Foundation	2 000 00	
Total	3 715 00	
	-	

On motion of Mrs. Plumb, these assignments were approved.

ADJUSTMENT IN ATHLETIC ASSOCIATION BUI	DGF	ЕΤ	
(10) The Athletic Association reports the following changes budget for 1936-1937 as a result of changes in the directorship:	in	its	salaries
budget for 1930-1937 as a result of changes in the directorship:			
Provision for salary of Director Coorgo Huff	¢-	690	

Provision for salary of Director George Huff \$1 680	
Portion of salary paid prior to his death 420	
Balance unused\$1 260	
Increase in salary of W. S. Wilson, Director, effective	
March 1, 1937	
Net balance remaining\$ 360	

On motion of Mr. Moschel, these adjustments were approved.

## APPOINTMENT OF DR. HOWARD W. ODUM AS PROFESSOR AND HEAD OF THE DEPARTMENT OF SOCIOLOGY

(11) A request for authority to appoint Dr. Howard W. Odum, of the University of North Carolina, at present Visiting Professor of Sociology at the University of Illinois, Professor and Head of the Department of Sociology on indefinite tenure, beginning September I, 1937, at an annual salary of \$7,000.

On motion of Mr. Pogue, this appointment was authorized as requested.

## APPOINTMENT OF DR. HANS BETHE AS PROFESSOR OF PHYSICS

(12) A recommendation for the appointment of Dr. Hans Bethe, Assistant Professor of Physics at Cornell University, as Professor of Physics on indefinite tenure, beginning September 1, 1937, at a salary of \$6,000 a year. Professor Bethe will succeed Professor C. T. Knipp, who is due to be retired September 1, 1937.

On motion of Mr. Cleary, this appointment was authorized as recommended.

#### APPOINTMENT OF PROFESSOR PETER L. SPENCER AS VISITING PROFESSOR OF EDUCATION

(13) A recommendation for the appointment of Peter L. Spencer, Professor of Education at Claremont Colleges, Claremont, California, as Visiting Professor of Education, on one-half time, for one year beginning September I, 1037, at a salary of \$2,250, one-half to be paid by the College of Education and the other half by the Division of University Extension. It is proposed to have Professor Spencer teach extramural courses as well as to give resident instruction. This is a temporary appointment to one of the two new positions authorized by the Board on December 15, 1936 (Minutes, page 129). On motion of Mrs. Plumb, this appointment was authorized.

# ORGANIZATION OF DEPARTMENT OF PHYSIOLOGY IN COLLEGE OF MEDICINE

(14) The members of the Department of Physiology in the College of Medicine of professorial rank have requested that the Department be organized with a Chairman instead of a Head. The University Statutes provide that such requests shall be presented to the Board together with the recommendation of the Dean of the College and the President of the University.

The Dean does not concur in the request of the Department, and under the circumstances I recommend that no change of departmental organization be made at this time.

On motion of Mr. Mayer, this change was not approved.

## APPOINTMENT OF DR. GEORGE E. WAKERLIN

(15) A recommendation that Dr. George E. Wakerlin, who is at present a member of the Department of Physiology and Pharmacology at the University of Louisville School of Medicine, be appointed Professor and Head of the Department of Physiology in the College of Medicine, on indefinite tenure, at a salary of \$5,400 effective September 1, 1937.

On motion of Mr. Mayer, this appointment was made as recommended.

#### RESIGNATION OF PROFESSOR F. S. RONALDS

(16) Dr. F. S. Ronalds, Assistant Professor of History, has offered his resigna-tion from the faculty to accept a position as Historian in the National Parks Service. He is finishing his work today, and will have completed all but five or six weeks of the service required of him under his contract.

I recommend that his resignation be accepted, effective July 19, 1937, and that he be given a leave of absence with pay from April 15 to July 19, so that he may receive the proportionate amount of his salary for 1936-1937 corresponding to the amount of service he will have rendered.

On motion of Mr. Cleary, this resignation was accepted as recommended.

### LEAVES OF ABSENCE

(17) A recommendation that the following leaves of absence be granted members of the staff for the reasons and periods and under the conditions indicated in each case:

1. Mrs. Margaret Milliken, Assistant in the Department of Pathology, Bacteriology, and Public Health, December 1, 1937, to July 1, 1938, without pay, for the purpose of study abroad.

2. Miss Dorothy Iwig, Associate in Home Economics, one month during the summer without pay, in addition to the month's vacation to which she is

entitled, for the purpose of study at Columbia University. 3. Professor E. E. DeTurk, of the Department of Agronomy, sick leave with full pay from March 8 to April 3, 1937. Doctor DeTurk's illness was such that he was able to carry on his work at his home.

4. Professor H. H. Mitchell, of the Department of Animal Husbandry, two

months from September 1, 1937, with pay, to enable him to attend a meeting and deliver a scientific paper before the Royal Academy of Italy in Rome. 5. Miss Edna May Goggin, one-half time Assistant in Romance Languages, sick leave with pay from March 30 and continuing through the remainder of the semester. Her work will be taken care of by other members of the Depart-ment during her absence without additional expense to the University.

6. Miss Josie B. Houchens, Binding Librarian, the month of August, 1937, without pay, in addition to the month's vacation to which she is entitled, for the purpose of teaching in the summer Library School of Columbia University.

7. Dr. Max Lyon Folk, Assistant Professor of Ophthalmology, sick leave from March 25 to June 1, 1937, with pay. 8. George Jennings, Educational Program Producer on the staff of the

Radio Station, six months' leave without pay beginning May 1, 1937, for the purpose of working with the National Broadcasting Company and the Columbia Broadcasting System in various departments under a fellowship from the General Education Board.

On motion of Mrs. Plumb, these leaves were granted as recommended.

#### APPOINTMENT TO ADVISORY COMMITTEE, AGRICULTURE

(18) A recommendation from the Dean of the College of Agriculture that Mr. W. W. McLaughlin, Decatur, Illinois, be appointed a member of the Agricultural Experiment Station Crops Advisory Committee vice Mr. William Webb, of Plainfield, who died recently.

On motion of Mr. Adams, this appointment was made as recommended.

### PRE-MEDICAL CURRICULUM

(19) The University Senate recommends adoption of the following three-year pre-medical curriculum effective September 1, 1937, and the regulations pertain-ing thereto. The proposed curriculum is in line with the new three-year requirement for admission to the College of Medicine already adopted by the Board of Trustees:

## THREE-YEAR PRE-MEDICAL CURRICULUM

A combined curriculum preparatory to medicine and leading to a Bachelor's degree from the College of Liberal Arts and Sciences at the end of the first year in the College of Medicine is available to such students in this College as are able to take advantage of it. The combined curriculum, by permitting the use of one year of credit earned in the College of Medicine, saves a year's time for the student who spends three years in this College, and then enters the College of Medicine. This curriculum is available to students registered in this College under the following conditions:

I. Admission to the Pre-Medical curriculum shall be available to any entering freshman who is able to matriculate in the College of Liberal Arts and Sciences, and whose scholarship rank is in the upper half of his high school graduating class.

2. Students transferring to this College with advanced standing must have maintained at least a 3.5 scholastic average in terms of our grading system, in order to be admitted to the Pre-Medical curriculum. 3. In order to obtain a degree in the combined curriculum, no student may transfer to this curriculum from any other university or college more than thirty hours of work. In order to gain priority rating for admission to the College of Medicine, all students in this curriculum must complete at least the second and third Pre-Medical years in the College of Liberal Arts and Sciences.

and third Pre-Medical years in this confident must complete at least the second 4. In June of each year the scholastic averages of all students enrolled in the Pre-Medical curriculum shall be computed. Students whose scholastic average at the time of computation is below the 3.5 average required for admission to the College of Medicine, shall be denied further registration in this curriculum, together with the special privileges pertaining thereto.

#### Π

I. The degree of Bachelor of Science from the College of Liberal Arts and Sciences may be obtained by pursuing the following three-year Pre-Medical curriculum and the first year of pre-clinical work in the College of Medicine. Since the Pre-Medical curriculum and the first pre-clinical year in the College of Medicine prescribe subjects fully equivalent to the usual college major, students in this combined curriculum will not be required to make formal declaration of a major.

2. The degree of Bachelor of Arts will be granted to any student registered in the Pre-Medical curriculum, upon completion of the regular requirements for that degree.

3. If a student elects to complete the full requirements for the Bachelor's degree in the College of Liberal Arts and Sciences before entering the College of Medicine, he should declare his major field of specialization at the beginning of this third year of study.

Plan of study to be observed in the Pre-Medical curriculum

#### FIRST YEAR

	First Semester	Hours	Sec	ond Semester	Hours
Physical	Education		Physical Edu	acation	
Military	Science	I		ence	
Rhetoric			Rhetoric 2		3
Chemist	ry 1 (or 2) ( <i>Note</i>	$(A) \dots (5 \text{ (or } 3))$	Chemistry 5		5
Zoology	I		Zoology 2		5
	2. <b></b>			<u></u>	
Elective	3 <b></b>	$\dots$ $1\frac{1}{2}$ to 5	Electives (N	ote B)	<u>1 ½ to 3½</u>
Tote	<i>l</i> l		Total		18
Not	e AStudents	having credit in	high school of	chemistry will	register for

Chemistry 2.

Note B.—In the second semester of the freshman year, if the grade in Chemistry 1 or 2 is below "C," Mathematics 4 (2 hrs.) must be included as a prerequisite for physics, except by students who have credit in trigonometry in high school.

First Semester	Hours
Physical Education	1/2
Military Science.	I
Physics 7a	4
Physics 8a	I
One of the following (Note C):	
Zoology 3 Chemistry 22 Chemistry 33	-
German or French Electives (Note D)	21/2
Total	18

#### SECOND YEAR

Second Semester	Hours
Physical Education	. 1/2
Military Science	. 1
Physics 7b	. 4
Physics 8b.	. İ
One of the following ( <i>Note C</i> ):	
Zoology 3	
Chemistry 22	. 5
Chemistry 33	
German or French	• 4
Electives (Note D)	. 21/2
Total	. 18

. .

Note C.-Because of limited space in laboratories, students will be assigned during registration to one of these three courses each semester of the second year, and will complete the third member of the group in the junior year.

Note D.-Electives in the second and third years should be chosen to satisfy specific courses required for admission by the medical school which the student expects to enter if preparing for a medical college other than the University of Illinois.

Students who do not offer German or French for admission must continue the language in the third year. Electives in the three years must also include 14 hours from at least two of the

following fields: anthropology, economics, history, philosophy, political science, psychology, and sociology. THIRD YEAR

	TUIK	DIEAK	
First Semester	Hours	Second Semester	Hours
Complete the following not finished in the second year: Chemistry 33 Chemistry 22 Zoology 3 Physical Chemistry (if Chem. 22 and 33 are completed) (Note E) German or French	5	Physical Chemistry (if not taken 1st sem.) (Note E) German or French Electives	· 4 · 4 (or 12)
Total	16		

Note E.-Registration in physical chemistry necessitates completion of Chemistry 5, 22, 33 and Physics 7b, 8b.

#### FOURTH YEAR

In this curriculum the fourth year may be either pre-medical or pre-clinical. Two options are therefore offered:

A. The regular course of study in the first year in the College of Medicine in

Chicago, or B. Completion of the regular Liberal Arts and Sciences requirements for the Bachelor's degree.

On motion of Mr. Moschel, this curriculum was approved as recommended.

# READMISSION OF STUDENTS WITH SCHOLASTIC DEFICIENCIES TO COLLEGE OF MEDICINE

(20) The University Senate has approved a recommendation from the Faculty of the College of Medicine that the following new regulations be authorized to

of the College of Medicine that the following new regulations be authorized to govern the dismissal of students for unsatisfactory work and the readmission after such dismissal of first-year and second-year students in that division: "A student in the first two years of the College of Medicine shall be subject to dismissal if he fails in one-half or more of the clock hours carried in any semester, or if he has received grades of 'D' or 'E' in three or more major courses by the end of the first year, or accumulated four (4) or more 'D' or 'E' grades in major courses by the end of the third or fourth semester. *Note:* In the operation of the foregoing rule, a major course with an 'A' or 'B' grade shall be considered as counter-balancing one of 'D' or lower. "A small committee of the lunior Faculty shall be appointed by the Dean

"A small committee of the Junior Faculty shall be appointed by the Dean A small committee of the junior racinty small be appointed by the Dean for (a) the consideration of the cases of all students who come under the rules for the dismissal for poor scholarship, and (b) the consideration of the readmis-sion of students, and (c) the consideration of the conduct of the Second-Year Comprehensive Examinations. The findings of this Committee shall be presented to the Dean for action by the Junior Faculty."

On motion of Mr. Mayer, these regulations were adopted as recommended.

### CURRICULUM IN COMMERCIAL DESIGN

(21) The University Senate recommends adoption of the following curriculum in Commercial Design, effective September, 1937, as an option in the curriculum in Painting in the College of Fine and Applied Arts:

## FIRST AND SECOND YEARS (Same as in Curriculum in Painting)

## THIRD YEAR

First Semester	Hours	Second Semester	Hours 5
Patterns and Lettering		Patterns and Lettering	
Journalism 33		Journalism 34	
Commercial Design 35		Commercial Design 36	• 3
Figure Drawing & Sketch <sup>1</sup>	• 3	Figure Drawing & Sketch <sup>1</sup>	• 3
Elective		Elective	· <u>3</u>
Total	. 16	Total	. 16
	Fourth	Year	
Hist. of Art in Industry	. 2	Hist. of Art in Industry	. 2
Advanced Com. Design 37	. 6	Advanced Com. Design 38	. 6
B. O. O. 10	. 3	B. O. O. 18	. 3
Elective	.4 or 5	Elective	.4 or 5
Total	5 or 16	Total	5 or 16

Total required for degree: 130 semester hours. Degree: Bachelor of Fine Arts in Commercial Design.

On motion of Mr. Adams, this curriculum was approved as recommended.

# CHANGE IN REQUIREMENTS FOR ADMISSION TO CURRICULA IN ARCHITECTURE

(22) The University Senate has approved a recommendation from the Faculty of the College of Fine and Applied Arts that the requirements for admission to that division be changed by eliminating the one-half unit of Solid Geometry heretofore required for admission to the curricula administered by the Department of Architecture, effective September 1, 1937.

On motion of Mr. Cleary, this change was approved as recommended.

## REQUIREMENTS FOR GRADUATION IN SCHOOL OF JOURNALISM

(23) The University Senate has approved a recommendation from the Faculty of the School of Journalism that the total number of semester hours required for graduation in that division be increased from 60 to 64, making a total of 124 semester hours required for graduation, effective September 1, 1937.

On motion of Mr. Mayer, this change was approved as recommended.

# GRADUATION WITH HONORS FROM THE COLLEGE OF AGRICULTURE

(24) The University Senate recommends the following plan of honors in the College of Agriculture:

I. The honors to be awarded at graduation shall be designated as Honors, High Honors, and Highest Honors.

2. They shall be awarded according to the following rules:

a. For the degree with Honors the student must have an average of 4.0 in all courses used for graduation.

<sup>1</sup>Figure Drawing and Sketch (3 hrs.) meets concurrently with Art 29 and 30 (5 hrs.).

b. For the degree with High Honors the student must have an average of 4.25 in all courses used for graduation and pass an examination in his field of major interest.

c. For the degree with Highest Honors the student must have an average of 4.5 in all courses used for graduation and pass an examination in his field of major interest. The examination must give evidence of exceptional ability.

3. For graduation with honors the diploma shall contain after the degree the words "with Honors," or "with High Honors," or "with Highest Honors."

4. This plan of graduation honors shall take effect at the beginning of the first semester of 1937-1938.

On motion of Mrs. Plumb, this recommendation was adopted.

#### OFFER OF PACIFIC FLUSH TANK COMPANY FOR BUSWELL PATENTS

(25) At its meeting on March 29 the Board of Trustees, on recommendation of its Committee on Patents, authorized an exclusive license in municipal waste, with a reservation in favor of the State of Illinois and all its institutions, to the Pacific Flush Tank Company to use the Buswell Patents Nos. 1,838,474 and 1,838,475 for the remaining life of such patents for a consideration of \$5,000. This was a counter proposal to an offer of the Company to purchase these patents outright for \$3,000.

Representatives of the Company met with the Comptroller, the University Counsel, and Professor Buswell on April 10 to discuss this proposal. The company is now licensed to use these patents on a royalty basis under which the minimum annual payment is \$350 a year. It feels that the present worth of the patents on this basis is considerably less than \$5,000 and that therefore the price asked by the Board of Trustees is too high. Moreover, the Company feels that there would be essentially no difference to the Board of Trustees between an outright sale, which would include an assignment of the patents to the Pacific Flush Tank Company, and that of an exclusive license, since the legal rights of the Company would be the same under either arrangement and since the reservations in favor of the State of Illinois and its institutions can be incorporated in the transfer of tile to the patents. Consequently, the Company has made a compromise offer of \$4,000 in cash for the purchase of the patents outright but with a reservation in favor of the State of Illinois and its institutions.

On motion of Mr. Moschel, this offer was accepted.

## RELEASE OF PATENT RIGHTS TO L. F. AUDRIETH

(26) A recommendation from the Faculty Committee on Patents that a discovery by Assistant Professor L. F. Audrieth, of the Department of Chemistry, described as "The ammonolysis of esters to the corresponding acid amides by treatment with liquid ammonia in the presence of ammonium salts," be unconditionally released to him and that he be authorized to make an application for a patent in his own right.

The Board has already released this patent to Professor Audrieth (January 29, 1937, Minutes, page 158) on recommendation of its Committee on Patents. The record includes the phraseology "as it has no commercial value," which language was used in the recommendation of the Committee on Patents. This language in turn was based on a report of the Faculty Committee on Patents that in its judgment the discovery would not have such possibilities as to justify the expenditure by the University of the customary fee for filing the patent application. In order to secure aid in financing a patent, it is necessary for Professor Audrieth to present a certified copy of the action of the Board releasing the patent rights to him. The phraseology of the previous Board action implying that the patent rights were released to him on the ground that the discovery has or had no commercial value makes it difficult for him to secure such aid because it has apparently raised a legal question as to his rights should the discovery ultimately have commercial possibilities.

On motion of Mr. Cleary, the action of the Board on January 29, 1937 (Minutes, page 158) relating to this discovery was rescinded, and the discovery was unconditionally released to Dr. Audrieth.

#### USE OF GEORGE HUFF GYMNASIUM AND SKATING RINK

(27) A recommendation that the use of the following buildings by organizations not affiliated with the University be authorized:

1. The George Huff Gymnasium by the Illinois High School Athletic Association for all state-wide or other non-local high school athletic tournaments (such as the State High School Basketball and Wrestling Tournaments), no charge to be made for the use of this building except that the High School Association will pay any expenses incurred by the University of Illinois or the University of Illinois Athletic Association.

2. The Skating Rink by the Chicago Blackhawks Hockey Team for the training season in October of each year at a rental of \$50 per day to be paid the University of Illinois Athletic Association to cover the expenses involved in the use of this building. The University charges the Athletic Association for the services rendered in operating this building. Under present University Statutes neither the Physical Plant Department nor the President has authority to approve such arrangements. Hence, these

proposals are submitted to the Board for its approval.

On motion of Mr. Adams, the President of the University was authorized to permit the use of these buildings as recommended.

#### REPORT OF THE CARTER-PENNELL FARMS

(28) I submit herewith the fourteenth annual report of the Carter-Pennell Farms covering the farm year, March 1, 1936, to February 28, 1937. This covers the operations of the two "Carter-Pennell Farms" in Vermilion

County held by the Board of Trustees of the University under a deed from the late Joseph Carter and Jane P. Carter, of Rankin, creating a trust for educational purposes (Minutes, March 13, 1923, page 149). The net proceeds from these trust farms is used as a loan fund to aid worthy students at the University. If the income should ever be so large as to make it impracticable to use all of it for loans, it may be used for research work in Agriculture and Home Economics.

The report indicates that the net income of the two farms for the year ending February 28, 1937, was \$1,259.89, an increase of \$368.42 over the net income for the preceding year.

The Dean of the College of Agriculture recommends that the following improvements in the farms be authorized, the cost to be charged to the income from the farms:

South Farm.—Two ponds covering two to three acres are still undrained. It is recommended that about 200 feet of tile be laid at a cost of approximately \$160 to provide drainage for the larger of these two areas.

The barn is in bad condition and should be replaced as soon as possible. No estimate of cost of this is given.

North Farm.-The tile which drains the low place to the north of the farm buildings has become clogged and should be cleaned out.

The old hay barn and the old horse barn are in bad condition and are an eyesore to the community. They should be replaced by one good barn. No estimate of the cost is given.

I recommend that this report be referred to the Committee on Agriculture for its consideration and recommendation.

On motion of Mrs. Plumb, this report was referred to the Committee on Agriculture for consideration and report.

#### PAYMENT OF ACCIDENT COMPENSATION CLAIMS

(29) The University Committee on Accident Compensation for Employees has submitted a list of ten accident compensation claims involving University employees, totaling \$471.58, which it recommends be paid from the University funds as in the case of certain similar payments.

A copy of the Committee's report and a list of the cases is being given to the Secretary of the Board for record.

All of these cases have been reviewed by the Committee and none involves permanent disability, although one includes an allowance of \$108.68 for time lost. Provision for such payments has been made in the budget for the current vear.

On motion of Mrs. Plumb, the payment of these claims was authorized.

#### PURCHASES RECOMMENDED

(30) A recommendation that the following purchases be authorized: 1. Lumber, one carload, including Red Oak, White Pine, Cypress, Douglas Fir, Maple, from the William C. Schreiber Lumber Company, Chicago, the lowest bidder, at a price of \$2,713. 2. Paper as follows:

For the Extension Service

140 reams 25 x 38-70# "A" Grade English Finish Book Paper 700 reams 25 x 38-60# ditto

150 reams 25 x 281/2-45# ditto 200 reams 25 x 38-80# No. 2 Folding Enamel

For the Office Supply Storeroom: ½ ton 25 x 38-704 "A" Grade English Finish Book Paper 8 tons 25 x 38-604 ditto

2 tons 25 x 28½-45# ditto 3 tons 25 x 38-80# No. 2 Folding Enamel from the Dwight Brothers Paper Company, Chicago, at a price of \$7,082.20, to to Office Supply Storeroom revolving fund. The Dwight Brothers Paper Company is one of the five low bidders, and the samples submitted are better suited to the University's use than the others.

3. Pyrex Laboratory Glassware, 150 cases, for stock in the Chicago General Stores, from Schaar and Company, Chicago, at a price of \$2,646. This is a non-competitive item which is sold only through jobbers at prices fixed by the Corning Glass Works, the only manufacturer of this type of laboratory glassware.

4. Repair parts for link belt peck carrier (used for handling coal at Power Plant) from the Link Belt Company, the lowest bidder, at a price of \$1,127.05

5. Forty head medium quality feeder steers weighing approximately 800 lb., to cost approximately \$8 per cwt. from Producers' Live Stock Commission Association, Live Stock Exchange Building, National Stock Yards (East St. Louis, Illinois), at a cost not to exceed \$3,500.

On motion of Mr. Cleary, these purchases were authorized as recommended.

#### PURCHASES AUTHORIZED

(31) A report of the following emergency purchases, amounting to \$1,000 or over, authorized by the President of the University:

1. Seventy head of good to choice, medium fleshed, feeder steers weighing from 700 to 800 pounds at a probable price of \$8.50 to \$9.00 per hundredweight, from the Producers Commission Association of Kansas City at a total cost not to exceed \$6,000 including freight to Urbana.

On motion of Mr. Mayer, this action was confirmed.

#### REPORT OF DEATH BENEFITS PAID

(32) A report that the Comptroller has been authorized to pay the death benefits to the beneficiaries of the following members of the staff in accordance with the University Statutes and the terms of their employment:

1. J. F. Purkins, retired employee in the Physical Plant Department,

On motion of Mr. Mayer, this action was confirmed,

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## CONTRACT CHANGE ORDERS FOR MEDICAL AND DENTAL BUILDING

(33) In accordance with the authorization of the Board on January 24, 1936, the following contract change orders of work on the Medical and Dental Build-ing have been approved and the following resolution is offered to ratify said actions:

Be it resolved, that the Board of Trustees hereby approves and ratifies the action of the President of the University in authorizing contract change orders on the second unit of the Medical and Dental College Laboratories Building. Heating Contract

Change Order No. 12

For installing oversized steam and return riser sleeves to accom-

modate pipe covering on the third, fourth, and fifth floors,

add the sum of	588 57
Total addition	\$ 34 01

On motion of Mrs. Plumb, the resolution ratifying this change was adopted.

## QUARTERLY REPORT OF COMPTROLLER

(34) The quarterly report of the Comptroller to the Board of Trustees for the quarter ending March 31, 1937.

This report was received for record.

#### GIFTS TO THE UNIVERSITY

(35) The following report of gifts received by the University since the last report:

1. The Illinois Concrete Pipe Association and the Illinois Association of County Superintendents of Highways, two prizes of \$25 each to Civil Engineering seniors.

2. The G. Frederick Smith Chemical Company, Columbus, Ohio, \$750 for an "Analytical Research Fellowship" in the Department of Chemistry.

 Dr. S. P. Baldwin, \$500 for a Research Assistantship in Zoology.
Mead Johnson and Company, \$700 for teeth structure research.
Tobacco By-Products and Chemical Corporation, an additional \$100 for nicotine insecticides.

6. Champaign County Milk Producers, an additional \$65.63 for the milk

testing study. 7. Utilities Research Commission-\$3,461.65 for solubility of boiler waters (Case 31); \$1,205 for stack gases (Case 34); \$525 for stretching of lead sheaths (Case 23)

8. Eli Lilly Company, \$1,200 for serum proteins.

9. Nutrition Research Laboratories, Incorporated, an additional \$141.71 for the Vitamin D fund.

10. Standard Brands, Incorporated, an additional \$1,750 for antiseptic properties of the skin, and \$600 for yeast effect on digestive tract. 11. American Pharmaceutical Association, \$2,100 for Pharmacy special re-

American Finantiacentical Association, \$2,100 for Finantiacy special research assistantship in addition to previous offers.
12. Chicago Board of Trade, \$400 for Agricultural scholarships.
13. Utilities Research Commission, \$700, Solubility of Boiler Waters (Case 31).
14. Utilities Research Commission, \$650, Stack Gases (Case 34).
15. Utilities Research Commission, \$375, Stretching of Lead Sheaths (Case 23).
16. Nutrition Research Laboratories, Inc., \$141.07, Vitamin D Research.

17. Standard Brands, Inc., \$1,750, antiseptic properties of the skin.

18. Standard Brands, Inc., \$600, yeast effect on digestive tract. 19. Charles A. Dennison Estate, \$2,800, purchase of library books.

20. Library School Alumni Association, \$300, Katherine L. Sharp Scholar-ship in Library Science.

This report was received for record.

## INVESTMENT OF ENDOWMENT FUNDS

At this point, Mr. Mayer, for the Finance Committee, presented a recommendation that the following securities be purchased as investments of endowment funds: Inland Steel Company,  $3\frac{34}{6}$  bonds of 1961, at a price of about 101 $\frac{14}{4}$ —\$5,000. Chicago Union Station,  $3\frac{34}{6}$  bonds of 1963, at a price of about 102—\$5,000.

On motion of Mr. Mayer, these investments were authorized. Mr. Mayer presented also the following report:

On motion of Mr. Adams, this sale was approved.

The Board resumed consideration of matters presented by the President of the University.

#### STRUCTURAL DEFECTS IN UNIVERSITY AUDITORIUM

(36) Incidental to the study for the remodeling of the University Auditorium, the Physical Plant Department discovered a structural failure in one of the columns. This condition was such that it warranted closing the building to any public use until a complete inspection could be made and the defects corrected. This inspection is now under way, and a complete report will be presented to the Board later.

This report was received for record.

#### BEQUEST OF CELINDA H. McCULLOUGH

(37) The will of the late Mrs. Celinda H. McCullough, of Urbana, includes the following bequest:

"I give and bequeath to the Board of Trustees of the University of Illinois my Abraham Lincoln clock and desire it be kept in a fitting place on the campus of the University of Illinois in Urbana."

Mr. and Mrs. Charles H. Meyer (son-in-law and daughter of Mrs. McCullough), who are the principal heirs, and who represent the family, have asked that the Board of Trustees waive and release this bequest so that the clock may remain in the family to which it has a sentimental value far transcending any intrinsic value. If the Board acts favorably on this request it should authorize its officers to execute whatever form of release the Executor of Mrs. McCullough's estate may require.

On motion of Mr. Cleary, the Board declined to accept this bequest.

## AGREEMENTS FOR RESEARCH INVESTIGATIONS

(38) A report of the approval of an agreement for cooperative research investigations with the Forest Products Chemical Company, Memphis, Tennessee, for a special industrial investigation by the Agricultural Experiment Station and the State Natural History Survey Division of the effects on chinch bugs of different repellents or barrier materials. The Company agrees to contribute \$150 to cover the expenses of this investigation.

On motion of Mr. Cleary, the execution of this agreement was approved.

## AGREEMENT WITH CORN PRODUCTS REFINING COMPANY FOR INVESTIGATION OF DEXTROSE IN ANIMAL FEEDING

(39) A request from the Dean of the College of Agriculture for approval of an agreement with the Corn Products Refining Company for a cooperative investigation of the net energy value for farm animals of dextrose when added to basal rations adequate with respect to minerals and vitamins, but containing

variable proportions of protein, to be carried on by the Agricultural Experiment Station.

The agreement is drawn for the period, May I, 1937, to September I, 1938, with provision for its extension upon mutual agreement, and the Company agrees to contribute the sum of \$2,500 to cover the expense of the investigation.

This agreement conforms to the provisions in the University Statutes relating to such agreements with the exception that no reference is made to patentable discoveries since, in the opinion of the Dean of the College of Agriculture, there does not appear to be any probability of patentable discoveries resulting from this type of research.

On motion of Mr. Mayer, the execution of this agreement, with the inclusion of the patent clause, was authorized.

### CROPPING AGREEMENT WITH UNITED STATES DEPARTMENT OF AGRICULTURE FOR USE OF LANDS IN DIXON SPRINGS AREA

(40) A recommendation from the Dean of the College of Agriculture for approval of a proposed temporary cropping agreement with the United States Department of Agriculture, Resettlement Administration, under which the University will be permitted to occupy and use certain lands in the Dixon Springs Area during the cropping season of 1937. No cash consideration is involved. The lands are the same as those controlled by the University during the 1936 season under two similar agreements—one with the Illinois Rural Rehabilitation Corporation and the other with the Resettlement Administration— and in addition certain adjoining lands recently acquired by the Government.

On motion of Mr. Moschel, the execution of this agreement was authorized.

## GRADUATE SCHOLARSHIPS AND FELLOWSHIPS

The Secretary presented for record the following list of graduate scholars and fellows appointed by the President of the University on April 7, 1937.

······································		
Agronomy	Werner L. Nelson	.Scholarship\$300
	Alvin Schwendiman	.Scholarship 300
Animal Husbandry	Lorin E. Harris	.Scholarship 300
Bacteriology	Llovd E. McDaniel	.Scholarship 300
Botany	. Phyllis L. Cook	.Fellowship 500
-	Virginia B. Gangstad	.Fellowship 600
	Hubert A. Harris	.Fellowship 600
	Josephine S. McAllister	
B.O.O. (Accountancy).	.George S. Cerny	.Scholarship 300
Chemistry	. John R. Bower, Jr	.Scholarship 300
•	I. Wayne Cole	.Fellowship 600
	Charles R. Eddy	.Fellowship 600
	Lowell D. Eubank	.Fellowship 500
	Wesley Fugate	.Fellowship 500
	Frank J. Glavis	.Fellowship 600
	Victor R. Hurka	.Scholarship 300
	Israel R. Landau	.Scholarship 300
	James H. Langston	.Scholarship 300
	William T. Lenser	.Scholarship 300
	William E. Lundquist	.Fellowship 600
	Graham W. McMillan	
	Victor G. Meadors	.Fellowship 600
	Foil A. Miller	.Scholarship 300
	Henry J. Nicholes	.Scholarship 300
	Donald F. Peppard	.Scholarship 300
	William C. Risser	.Scholarship 300
	Carl L. Rollinson	.Fellowship 500
	Samuel L. Scott	.Scholarship 300
		-

Chemistry (cont'd.)Harry H. Sisler	
Howard M. Teeter	
David Turnbull.	
Alson D. Van Wagner	
William W. Williams	
Classics Theodore Bedrick	
Gaylia M. Goode	Fellowship
Sara V. Harrod.	Scholarship
William R. Jones Ruth L. Rohrbaugh	Scholarship
Louis J. Sharp	Scholarship
Grundy Steiner	Scholarship
S. Byron Straw	Scholarship
Edwin R. Tallmadge	Scholarship 200
Dairy HusbandryJim Dizikes	Scholarship 300
Economics	
Julio N. Berrettoni	
Dwight P. Flanders	. Fellowship 500
Frisby S. Lockard	Scholarship
Peter Masiko, Jr.	. Fellowship 500
Iames M. Stepp.	
Ervin K. Zingler	Fellowship
Education	Fellowship 600
Engineering:	•
Čivil Jacob Karol	
Gordon V. Richards	Scholarship 300
Clarence B. Welch	Scholarship
Electrical	
MechanicalAlbert A. Rosenberg	
EnglishRobert Van Akin Bauer	
Thomas A. Bledsoe	
Marion May Buchanan	
Paul J. Cooke	
Marion V. Hammond	Scholarship 300
Roberta P. Jones	Scholarship
George J. Kane	
Edgar W. Lacy	
Mary L. Neville	Sabalarship
George Scouffas Edgeley W. Todd	Scholarship
Entomology Irving Fox	
Marion E. Smith	Followship 600
Geology	
GermanEmory K. Rees	Scholarship
HistoryEugene M. Braderman	Fellowship 600
Arthur J. Cole	Scholarship 200
Carl G. Gustavson	
Joseph B. James	Fellowship 500
Marvin E. Lowe	Fellowship 500
Mary L. Rice	
David M. Silver	
Robert M. Sutton	Scholarship
J. Harvey Young	
MathematicsWarren Ambrose	
Paul H. Anderson	
Ross A. Beaumont,	Fellowship
James H. Bell	Scholarship
Ralph L. Calvert	
Edwin L. Crow	Scholarship 300
Almon E. Daniels	Scholarship 300
William A. Ferguson	Scholarship 300
Hugh F. Gingerich	Scholarshin 200
Franz E. Hohn	Fellowship 500

Mathematics (cont'd.) Philip T. Maker	\$600 \$cholarship	
David W Starr	Fellowship 500	
Philosophy	Scholarshin	
Physics	Scholarship	
Elbert P. Carter	Fellowship	
Norman D. Coggeshall		
Louis I. Cutrona	Fellowship	
Beulah P. Field	Scholarship 300	
William E. Frye	Scholarship 300	
Ioseph C. Johnson	Scholarship 300	
Robert Rogers.	Fellowship 500	
Clifford G. Shull	Scholarship 300	
John F. Youngblood Political Science Alexander T. Edelmann	Scholarship 300	
Political Science Alexander T. Edelmann	Fellowship	
Sam A. Kimble	Scholarship	
Mildred Raphael	Scholarship	
Theodore W. Taylor	Fellowship	
Clifford D. Waldo	Fellowship 500	
Psychology		
Romance Languages Lestine Carson		
Felix B. Giovanelli		
I. Oliver Karraker, Jr	Fellowship 500	
Mrs. Katherine T. Kendall.		
George M. Oudyn	Scholarship 300	
Jean Saba	Scholarship 300	
Jean O. Zacker	Scholarship 300	
Sociology		
Gustav W. Krizek	Scholarship	
David S. Panitz	Fellowship 500	
Annabelle Scrogin	Fellowship 500	
Zoology Martha L. Bozeman	Fellowship 500	
David R. Lincicome	Fellowship 500	
Edna Mae Pratt	Fellowship 500	
ORGANIC CHEMISTRY FELLOWSHIPS		
Chemistry Darrel J. Butterbaugh	Fellowship 600	
Elmer H. Dobratz	Fellowship	
George E. Eilerman	Fellowship 600	
Hugh W. Gray	Fellowship 600	
Robert M. Jovce	Fellowship	
Charles L. Levesque	Fellowship 600	
William J. Peppel		
Robert O. Sauer		
Harry K. Sutherland	Fellowship	
John H. Van Campen	Fellowship 600	
C. an E-st courts		
CARR FELLOWSHIP		
ChemistryCharles L. Fleming, Jr	Fellowsnip	
Dow Fellowship		
Chemistry		
DuPont Fellowsh		
Chemistry Clarence E. Denoon	Fellowship 750	
Solvay Fellowship		
ChemistryEdward C. Kirkpatrick	,renowsnip.,	
KATHERINE L. SHARP SCHOLARSHIP		
Library ScienceRuth M. Heiss		

## APPOINTMENTS MADE BY THE PRESIDENT

The Secretary presented also for record a list of appointments made by the President of the University.

Buck, Katheryn Elizabeth, Assistant in the Hospital Laboratory, in the College of Medicine, beginning April 15, 1937, and continuing through August 31, 1937, at a cash compensation at the rate of one thousand six hundred thirty dollars (\$1,630) a year (this supersedes her previous appointment). (April 10, 1937)<sup>1</sup>

Davis, Velma Marie, Assistant to the Examiner and Recorder in the Registrar's Office (Chicago Division), for five months beginning April 1, 1937, subject to the rules of the Civil Service Commission, at a cash compensation at the rate

of one hundred twenty-five dollars (\$125) a month. (April 9, 1937) Dunn, Leah Maud, Stenographer in the Department of Animal Husbandry, in the Agricultural Experiment Station, for five months beginning April 1, 1937, subject to the rules of the Civil Service Commission, at a cash compensation at the rate of ninety dollars (\$90) a month. (April 9, 1937)

Hoover, W. Farrin, Assistant in Geology, on three-fourths time, for three months beginning April 1, 1937, at a cash compensation at the rate of ninety dollars (\$90) a month (this supersedes his previous appointment). (April 7, 1937)

Larkin, Lco Carroll, Assistant in Medicine, in the College of Medicine, beginning April 5, 1937, and continuing through August 31, 1937, without salary. (April 10, 1937)

Levine, Arthur Harry, Assistant in Medicine, in the College of Medicine, beginning March 11, 1937, and continuing through August 31, 1937, without

salary. (April 7, 1937) Powell, Dwight, Special Research Assistant in the Agricultural Experiment Station, in cooperation with the State Natural History Survey Division, on three-fourths time, beginning April I, 1937, and continuing until further notice, at a cash compensation at the rate of one hundred dollars (\$100) a month (this supersedes his previous appointment). (April 9, 1937)

Terman, Louis Arlington, Assistant in Medicine, in the College of Medicine, for five months beginning April 1, 1937, without salary. (April 10, 1937) Wolcott, Philip P., Assistant in Geology, on three-fourths time, for three

months beginning April 1, 1937, at a cash compensation at the rate of ninety dollars (\$90) a month (this supersedes his previous appointment). (April 7, 1937)

## RESIGNATIONS AND DECLINATIONS

The Secretary presented also for record the following list of resignations and declinations.

Brachvogel, Mrs. Virginia, Assistant in the Hospital Laboratory, in the

College of Medicine—resignation effective April 15, 1937. Carney, Paul W., Assistant and Second Junior Resident in Surgery, in the College of Medicine—resignation effective April 1, 1937. Crow, Edwin L., Scholar in Mathematics—declination effective September

1, 1937.

Ewert, E. E., Associate in Surgery, in the College of Medicine-resignation effective April 1, 1937. Fischer, V. N., Assistant in Geology—resignation effective April 1, 1937.

Glenn, Marguerite J., Nurse in the Dispensary, in the College of Medicineresignation effective May 1, 1937.

Herndon, Zelma, Assistant in Obstetrics and Gynecology, in the College of Medicine-resignation effective March 1, 1937.

Hurka, Victor R., Scholar in Chemistry-declination effective September 1, 1937.

Johnson, Joseph C., Scholar in Physics-declination effective September 1, 1937.

<sup>3</sup>The date in parenthesis is the date on which the appointment was made by the Presi-dent of the University.

Miller, Foil A., Scholar in Chemistry-declination effective September 1, 1937. Mummert, DeVere, District 4-H Club Adviser in the Extension Service in Agriculture and Home Economics-resignation effective April 1, 1937.

Nelson, Oliver E., Assistant in Anatomy, in the College of Medicine-resignation effective April 1, 1937.

Rall, Richard R., Assistant in Surgery, in the College of Medicine-resignation effective April 1, 1937.

Remmers, Edith Imogene, Stenographer and Typist in the Accounting Division of the Business Office-resignation effective March 19, 1937.

Robertson, John P., to give instruction in German, on one-third time, in the Summer Session of 1937—declination effective June 21, 1937.

In view of the possibility that necessity may arise for a further session of this meeting within a few days, the Board adjourned to meet at the call of the President.

H. E. CUNNINGHAM Secretary O. M. KARRAKER President