

MEETING OF APRIL 19, 1916.

A special meeting of the Board of Trustees of the University of Illinois was held in the Trustees' Room of the Administration Building, at the University, at Urbana, on Wednesday, April 19, 1916, pursuant to the following notice which was sent out by the Secretary on April 7, 1916:

On the call of the President, Mr. W. L. Abbott, there will be a special meeting of the Board of Trustees of the University of Illinois, in the Trustees' Room, at Urbana, on Wednesday, April 19, 1916, at 10.00 a. m., to consider such matters as the committees of the board and the President of the University may submit, and such other matters as may be duly presented.

When the board convened, the following members were present: President Abbott, Mrs. Busey, Mrs. Evans, Mrs. Henrotin, Mr. Hoit, Miss Watson. President James was present.

There being no quorum, the board adjourned to meet at 12 o'clock noon on Wednesday, April 26, 1916, at the Blackstone Hotel, in Chicago.

W. L. ABBOTT, *President.*

H. E. CUNNINGHAM, *Secretary.*

Meeting of the Executive Committee, April 19, 1916.

A meeting of the Executive Committee of the Board of Trustees of the University of Illinois was held in the Trustees' Room, at the University, in Urbana, at 10.00 a. m., on Wednesday, April 19, 1916, immediately following the adjournment of the Board of Trustees on the same day.

Mr. Abbott, Chairman, and Mr. Hoit, member of the committee, were present; also Mrs. Busey, Mrs. Evans, Mrs. Henrotin, and Miss Watson, members of the board.

President James was present.

MATTERS SUBMITTED BY PRESIDENT JAMES.

The Executive Committee proceeded to the consideration of the following matters presented by the President of the University:

LEAVE OF ABSENCE FOR PROF. J. W. LLOYD EXTENDED.

(1) A request for an extension of leave of absence from the University for another year by Prof. J. W. Lloyd, who has been on leave during the past year on half pay, while carrying on studies at the University of California.

On motion of Mr. Hoit, the President of the University was authorized to extend Prof. Lloyd's leave of absence without pay for the academic year 1916-17, in case suitable arrangements can be made for his work.

LEAVE OF ABSENCE FOR MR. E. E. HOSKINS.

(2) A recommendation from Prof. C. G. Hopkins, endorsed by Dean Davenport, that Mr. E. E. Hoskins be given leave of absence until the termination of his present appointment, August 31, 1916, on account of illness.

On motion of Mr. Hoit, leave of absence was granted to Mr. Hoskins for this period, with half pay.

CHANGES IN LABORATORY FEES.

(3) A letter from Dean T. A. Clark, Secretary of the Council of Administration, concerning certain changes in fees:

Dr. Edmund J. James, President.

DEAR MR. PRESIDENT: The Council of Administration at its meeting of January 11, 1916, voted to recommend to the Board of Trustees the approval of the following changes in laboratory fees:

Geology 1, \$2.25 (in place of \$1).

Geology 10, \$1 (in place of \$1.50).

Zoology 14a-b, 15a-b, none (in place of \$1 an hour for each course).

Zoology 25, \$3 (new).

Zoology 26, \$3 (new).

Human Anatomy 1 (Zoology 7), \$5 (new).

Human Anatomy 2, \$5 (new).

Yours very truly,

THOMAS A. CLARK,
Secretary, Council of Administration.

On motion of Mr. Hoit, these fees were approved.

ADVISORY BOARD, RAILWAY INDUSTRIES OF ILLINOIS.

(4) A request from Dean W. F. M. Goss, of the College of Engineering, that the Trustees authorize the appointment of an Advisory Board of the College of Engineering for the Railway Industries of Illinois, and that the following persons be appointed members of this board:

Mr. W. A. Gardner, President of the Chicago & Northwestern R. R.

Mr. Hale Holden, President of the Chicago, Burlington & Quincy R. R.

Mr. W. G. Bierd, President of the Chicago and Alton R. R.

Mr. W. B. Storey, Vice President of the Santa Fe R. R.

Mr. C. H. Markham, President of the Illinois Central R. R.

On motion of Mr. Hoit, the President of the University was authorized to establish this board, and the persons nominated above were appointed for a term of three years.

ADMISSION AND GRADUATION, COLLEGE OF LIBERAL ARTS AND SCIENCES.

(5) Certain recommendations from the University Senate concerning changes in the requirements for admission to and graduation from the College of Liberal Arts and Sciences:

April 5, 1916.

President Edmund J. James.

DEAR MR. PRESIDENT: The University Senate, at its meeting of April 3, 1916, approved the following recommendations of the faculty of the College of Liberal Arts and Sciences with reference to changes in the graduation and admission requirements of that College.

CREDIT FOR COURSES OFFERED IN OTHER COLLEGES AND SCHOOLS.

I. That the following be substituted for paragraph 3, page 135, of the Annual Register for 1915-16:

3. A limited amount of credit towards the A.B. degree may be secured for courses offered in other colleges and schools of this University as follows:

COLLEGE OF AGRICULTURE.

Agricultural Extension 1 (High School Agriculture); Agronomy 9 (Soil Physics), 11 (Soil Biology), 12 (Soil Fertility), 22 (Plant Breeding); Animal Husbandry 7 and 31 (Animal Nutrition), 30 (Genetics); Dairy Husbandry 11, 12a-12b (Dairy Bacteriology); Horticulture 9 (Forestry), 12 (Horticultural Evolution), 36 (History of Landscape Gardening), 37a (Civic Design), 42 (Landscape Design).

The total credit allowed in courses in agriculture may not exceed 14 hours. Students taking their major in entomology may take 20 hours in the above courses in agriculture, with the addition of Agronomy 7 and 25, and Horticulture 1a, 1b, 2, 3, 6, and 7.

COLLEGE OF COMMERCE AND BUSINESS ADMINISTRATION.

Accountancy 1a-1b (Principles of Accounting), 13 (Municipal Accounting); Business Organization 1 (Business Organization), 9 (Commercial and Civic Organizations); Business Law 1a-1b (Commercial Law—no credit given to students in the combined arts-law curriculum); Economics, all courses except 9, 14, 15, 32, 34; Transportation 1 (U. S. Transportation System), 2 (Transportation Policy). The total credit allowed for courses in commerce may not exceed 40 hours.

COLLEGE OF ENGINEERING.

Architecture 13, 14, 15, 16 (History of Architecture), 31, 32 (Architectural Drawing); Civil Engineering 27 and 28 or 33 and 34 (Surveying), 94 (Highway Administration); Drawing, General Engineering 1 (Elements of Drafting), 2 (Descriptive Geometry); Electrical Engineering 4 and 64 or 8 and 68; Mechanical Engineering, 11, 12 (Thermodynamics), 30 (Mechanics of Machinery); Mechanics, Theoretical and Applied, all courses.

The total credit allowed in engineering courses may not exceed 24 hours.

COLLEGE OF LAW.

A student who has senior standing in the College of Liberal Arts and Sciences may take and count the first full year of law work for thirty hours of credit toward the A.B. degree, or, if he takes and successfully carries less than the full amount, it shall be counted only hour for hour toward the A.B. degree.

Law 14 (Carriers), 24 (Municipal Corporations), 28 (Insurance), and 34 (Public Utilities) are open to students doing major work in political science or economics who have had a previous course in law or political science involving the study of cases.

Courses in law may not be taken before the senior year by students enrolled in this college, and in no case may the total credit allowed toward graduation exceed 30 hours.

LIBRARY SCHOOL.

Library Science 2a-2b, or 12 (Reference), 7 (History of Libraries), 9 (Book-making), 13a-13b (Public Documents).

SCHOOL OF MUSIC.

The total credit allowed for courses in music may not exceed 16 hours. At least one-half of the credit must be taken in courses in the history and theory of music (1-14 inclusive). Credit may be allowed in practical music (for courses exclusive of courses open to freshmen, provided the student shall have previously obtained credit for music courses 3 and 4 or their equivalent) to an amount not to exceed one-half of the total allowed to any student. No credit will be allowed for courses in public school music.

PHYSICAL TRAINING.

Not to exceed 5 semester hours for men and 7 semester hours for women.

Courses not included under paragraph 3 above may not be counted for the degree of A.B., except by special permission of the Dean of the College.

MAJOR SUBJECTS.

II. That the following be added to the paragraph on major subjects on page 134 of the Annual Register for 1915-16:

At least 5 hours of the work accepted for a major must have been done in residence at this University and must be included within the maximum credits allowed in any division.

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF SCIENCE.

III. That the following be substituted for the paragraph entitled "Requirements for the Degree of Bachelor of Science" at the bottom of page 135 of the Annual Register for 1915-16:

H. Optional Degree of Bachelor of Science. Students who do major work in one of the subjects in Groups IV or V, or in Household Science, on petition and recommendation of the faculty may be graduated with the degree of Bachelor of Science instead of Bachelor of Arts.

ENTRANCE REQUIREMENTS.

IV. That the first six-point paragraph under the heading "Additional Prescriptions for Individual Curriculums" on page 73 of the Annual Register for 1915-16 be amended to read as follows:

For the College of Liberal Arts and Sciences for the general curriculum in Liberal Arts and Sciences, the curriculums in Journalism, Household Science, and Medicine, and the curriculum preliminary to law—Latin, Greek, French, German, or Spanish (both units in the same language) 2 units; and that the second six-point paragraph under the same heading, and the corresponding paragraphs under the headings "Academic Electives" on page 74 and "Summary by Courses" on page 75, be omitted.

Very respectfully yours,

C. M. McCONN, *Clerk of the Senate.*

On motion of Mr. Hoit, the above recommendations were approved.

RECONSTRUCTION OF MECHANICAL ENGINEERING LABORATORY.

(6) A request from the Dean of the College of Engineering that thirty thousand dollars be appropriated for construction and reconstructions necessary to improve the Mechanical Engineering Laboratory. This will include a mezzanine floor and the moving and resetting of a great deal of the machinery. It will put the laboratory in condition to serve the purposes of the University for a number of years. The Dean of the College of Engineering regards this as the most necessary and immediate appropriation for the improvement of the plant.

[ESTIMATE OF THE COST.]

Excavation	\$1,330 00	Steam and water piping	\$2,000 00
Steel	6,713 00	Painting	1,000 00
Removing old foundations	1,409 00		
Concrete floors and foundations	8,116 00	Add 10 per cent	\$27,943 00
General changes in building	4,875 00		2,800 00
Moving and erecting machinery	2,500 00		\$30,743 00

On motion of Mr. Hoit, the reconstruction and rearrangement of the equipment of the Mechanical Engineering Laboratory was authorized and the sum of thirty thousand dollars, or so much thereof as may be necessary, was appropriated for this purpose.

PRINTING OF BIENNIAL REPORT.

(7) The State Superintendent of Printing, Mr. J. F. Higgins, has informed the Secretary of the board that he is expecting the University to pay for the printing of the next biennial report, to be published in the summer of 1916. This is a fundamental change in our method of printing the report of the Board of Trustees to the Governor of the State. Up to the present time, the Board of Trustees, through the Secretary of the board, has transmitted its regular report to the Governor and it has been printed by the State Printer and distributed in accordance with the law providing for its printing. My own opinion is that the next report, namely, that for the two years ending June 30, 1916, should be printed in the same way. The Governor of the State has authority to determine this matter.

On motion of Mr. Hoit, it was voted that the Governor of the State be requested to authorize the printing of the report of the Board of Trustees

in the same style as hitherto and that the expense be defrayed from public funds as provided by law. In the interests of economy, it was voted also to accept an edition of two thousand copies of the report instead of the four thousand copies supplied in former years.

RELATIONS WITH ILLINOIS NATIONAL GUARD.

(8) A letter from Adjutant General F. S. Dickson concerning the legal effects of a declaration by the Governor that the University of Illinois is a post of the Illinois National Guard:

March 31, 1916.

Hon. Edmund J. James, University of Illinois, Urbana, Ill.

MY DEAR MR. PRESIDENT: Your letter of some time ago with reference to your possible desire to request the Governor under the provision of the Statute to declare the University of Illinois a Post of the Illinois National Guard, comes to my attention on my return from considerable absence in Washington.

I note that you desire, before taking any action in this matter, information as to what particular obligation toward the Illinois National Guard such action would impose on you or on the University. As a matter of fact, I cannot see that it would impose any additional duty or obligation than that which now exists. The declaration of the Governor constituting the University of Illinois as a Military Post would not carry with it the inclusion of its military student body in the Organized Militia of the State as recognized by the War Department. It would not, in my judgment, impose any obligation of service in the National Guard as that can only be had by direct enlistment of the individual men in such service, which enlistment establishes a contractual relation between the individual and the State. The effect, therefore, would appear to be more moral than physical, and would carry practically only a degree of supervision without interference with administration, etc.

Yours very truly,

F. S. DICKSON.

No action was taken in this matter.

AMERICAN INSTITUTE OF ARCHITECTS MEDAL.

(9) An offer by the American Institute of Architects of a student medal to be awarded by the Faculty of the University to the member of the graduating class whose record for the course in architecture is the best.

On motion of Mr. Hoyt, this offer was accepted, and the President of the University was authorized to express the thanks of the University to the American Institute of Architects.

ANCIENT ORDER OF HIBERNIANS ST. PATRICK'S DAY PRIZE.

(10) A gift from the Ancient Order of Hibernians, Mr. James F. O'Donnell, Editor of the *Bloomington Bulletin*, has sent to the University a check for fifty dollars, as a gift from Division One of the Ancient Order of Hibernians, to be used as a prize to be awarded for the best essay written by an undergraduate or graduate student in the University on a subject connected with ancient Irish literature, history, or archeology. It is hoped that a fund of one thousand dollars may be established from the interest of which such a prize may be made permanent. I recommend that this money be accepted and that the President of the University be authorized to tender a formal expression of the thanks of the board for the gift; that the prize be announced for the present year, and, in case the requisite funds are forthcoming regularly, that it be continued.

I suggest the following rules for the assignment of the prize:

1. The prize shall be known as the St. Patrick's Day Prize of the Ancient Order of Hibernians.

2. The prize shall be awarded yearly, if the requisite funds are provided by the Ancient Order of Hibernians, for the best essay written by an undergraduate or graduate student in the University of Illinois on a subject connected with ancient Irish literature, history, or archeology.

3. The essay must consist of not less than five thousand words and must be submitted in the form required for an honor thesis for the A.B. degree, with modified title page.

4. The complete file of the essays shall be kept in the Library of the University of Illinois.

5. The prize shall be regularly awarded on the day before St. Patrick's Day (in the year 1916 on June 1). Essays must be in the hands of the President of the University on or before March 1 of each year (in the year 1916 on or before May 17).

6. The judges shall be appointed by the President of the University of Illinois.

7. In case no one of the essays submitted proves to be of sufficient merit, the judges may withhold the prize and the money shall be allowed to accumulate toward a fund for the establishment of a scholarship in Irish literature.

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

SENATE REPORT ON NEW LIBRARY.

(11) At a meeting of the University Senate on April 3, 1916, the Senate Committee on the University Library presented an extended report on the proposed new

Library Building. After a full presentation of the subject by the Chairman of the Library Committee, Prof. A. H. Daniels, and a full discussion, the Senate passed the following motion unanimously:

1. That the Senate approve, as a recommendation to the Board of Trustees, the tentative plans for the proposed new Library Building submitted by the Library Committee.

2. That the Board of Trustees be requested to make an appropriation sufficient to begin the construction of a working section of the building at the earliest possible date.

The University Senate in April, 1912, appointed a special committee to consider and report on the general problems involved in the development of a University Library. The committee presented a partial report at a special meeting of the Senate on January 6, 1913. After a careful study of the possible sites for the new building, it was recommended that the one at the south end of Wright Street be chosen. This site received the endorsement of the Supervising Architect, the State Architect, Mr. Zimmerman, and Mr. Blackall, of Boston, who were members of the Advisory Committee on the Campus. The subject was then presented to the Board of Trustees and referred to the Library Committee of the Board. Finally, on March 10, 1914, the Library Committee of the board reported that the need of a new University Library Building was most pressing, that the University should proceed as rapidly as possible with the planning and erection of such a building, and that the only satisfactory site was the land lying at the south end of Wright Street, with the building having its north and south axis on the center of Wright Street prolonged, and its east and west axis on the east and west axis of the Armory prolonged.

After further deliberation, at a meeting of the Board of Trustees held June 15, 1915, the Supervising Architect was directed to proceed with the preparation of plans for the new Library Building.

These are the plans which the Senate has unanimously endorsed and which are herewith submitted. The Senate is of the opinion that a collection of at least one million volumes should be made as rapidly as possible, and to do this within a reasonable time an appropriation of one hundred thousand dollars a year for the purchase of books is necessary. The Senate also calls attention to the fact that at the present rate of increase all available space for books will be occupied within the next two years.

On motion of Mr. Hoit, this matter was referred to the Library Committee of the Board for consideration and report.

PLANS FOR PHARMACY GREENHOUSE.

(12) A letter from Mr. E. N. Gathercoal, Instructor in Pharmacognosy in the School of Pharmacy, presenting plans for a greenhouse and botanical garden at the new location of the School of Pharmacy. It is hoped to erect a greenhouse 15 by 50 feet in size, to be placed against the south wall of the Laboratory Building and to enclose the garden at the front, the south side, and the rear, including the whole rear alley line, so that the plants grown may be suitably protected. The estimate of the cost of the greenhouse is \$1,800; and of the fence from \$1,000 to \$1,500, according to whether the ground should be enclosed entirely by an iron fence or by one partly of iron and partly of wood.

No action was taken on this matter.

JENNER MEDICAL COLLEGE.

(13) At the earnest solicitation of Dr. MacKellar, Dean of the Jenner Medical College, which was a tenant of one of the buildings purchased recently by the University, I have authorized the Jenner Medical College to remain in the building till May 10, instead of being required to leave on April 30. This will enable the Jenner Medical College to secure other accommodations without unduly inconveniencing them.

No action was taken on this matter.

BUILDING PROGRAM FOR FIVE YEARS.

(14) A letter from the Supervising Architect making suggestions as to a building program for a period of five years:

President Edmund J. James, 555 Administration Building.

DEAR SIR: I enclose as accurate a draft as I can now prepare of our building needs for the next five years.

The erection of the Residence Hall and the School of Education Building does not release any space for instructional purposes. The reconstruction of the Mechanical Laboratory and the completion of the Transportation Building will provide for housing the Mechanical Engineering Department in those buildings and give the space they now occupy in Engineering Hall to architecture. The completion of the Natural History Building will give relief to the Department of Botany and the Museum and permit the moving of the Museum material from the top floor of the Physics Building, permitting some expansion of the present Sound Laboratory. The Horticulture Field Laboratory will take the place of the building which has been assigned to Battery F and will provide more adequately for the work of the Department of Horticulture, but none of the work on the present Campus will be transferred to the new building. The erection of the cattle feeding plant will permit the removal of the barns on the south side of the parade grounds

and will more adequately provide for the work of the Department of Animal Husbandry, but will not provide relief in any other quarters. The building for the School of Music will free a few desirable rooms in University Hall, but the main relief must come from the erection of the Library Building, which should be ready for occupancy four years from next fall. The College of Law can then be moved to the present Library Building and their building be available for the College of Agriculture or for the Department of Journalism, or for any other purpose which may at the time prove most urgent.

Yours truly,

JAMES M. WHITE, *Supervising Architect.*

A FIVE-YEAR BUILDING PROGRAM—PRELIMINARY DRAFT.

1. COMPLETION OF BUILDINGS NOW UNDER WAY.

CHEMISTRY BUILDING.

Balance on equipment less portion charged to State Water Survey..	\$27,681 38
Alterations to lecture room and connections to old buildings not included in appropriation of \$6,000.....	1,250 00
Balance due Mr. Dibelka.....	889 03
Library stacks and furniture.....	1,500 00
Necessary alterations to old building to provide classrooms, etc.....	2,500 00
Incidentals	1,179 59
For desirable additional alterations in old building.....	10,000 00
Total	\$45,000 00

VIVARIUM.

Walks, fence, pond, aquaria, and refrigeration.....	15,000 00
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CERAMICS BUILDING.

Laboratory furniture	\$6,000 00
Screens and awnings.....	200 00
Walks and drives.....	500 00
Balance due Mr. Dibelka.....	189 37
Total	\$6,889 37
Available from appropriation.....	4,000 00
Additional appropriation required.....	2,889 37
Total to complete present buildings.....	\$62,889 37

II. NEW BUILDINGS.

Women's Residence Hall, exclusive of heat, light, and water lines..	\$145,000 00
Education Building, 625,000 cubic feet at 24 cents (furnished)....	150,000 00
Music School	250,000 00
Transportation Building, 188,760 cubic feet at 19 cents.....	35,800 00
M. E. Laboratory (Prof. Richards's estimate).....	30,000 00
Natural History Building—	
264,880 cubic feet at 30 cents.....	\$53,000 00
Special furnishings	17,000 00
Horticulture Field Laboratory—	
Main Building, 405,200 cubic feet at 20 cents.....	\$81,000 00 ¹
Storage Building, 120,000 cubic feet at 12 cents.....	14,400 00 ²
Barn, 127,776 cubic feet at 8 cents.....	10,300 00 ³
Heating plant	5,000 00
Refrigeration (25 tons).....	10,000 00
Feeding plant	120,700 00
Power plant—	50,000 00
Building	\$30,000 00
Bollers and setting.....	24,000 00
Stack	10,000 00
Auxiliary equipment	16,000 00
Chicago departments (estimated).....	80,000 00
Service Building	200,000 00
Library, first unit (estimated).....	30,000 00
Library, first unit (estimated).....	750,000 00
Total, new buildings.....	\$1,911,500 00

III. OTHER CONSTRUCTIONS.

General equipment at \$20,000 a year.....	\$100,000 00
1913-14	\$16,500 00
1914-15	19,356 00

¹ Assumes a Laboratory Building fairly finished and with moderate amount of equipment.

² Assumes fireproof building with cement floors and unplastered walls.

³ Based on cost of Beef Cattle Barn and Horticulture Barn.

Physical plant extension—		
Heat, light, water, etc. at \$20 a year.....		\$100,000 00
1913-14	\$59,000 00 ¹	
1914-15	34,000 00 ¹	
Road and ground improvement at \$15,000 ²		75,000 00
1913-14	\$ 5,500 00	
1914-15 (including Campus lighting).....	10,000 00	
Building remodeling at \$20,000 a year.....		100,000 00
1913-14	\$25,600 00	
1914-15	13,500 00	
Total, other constructions.....		<u>\$375,000 00</u>

SUMMARY.

To complete present building.....	\$ 63,000 00	
New buildings	1,911,500 00	
Other constructions	375,000 00	
Temporary buildings for College of Agriculture.....	50,000 00	
Total		<u>\$2,399,500 00</u>
Less receipts from Smith land.....		<u>150,000 00</u>
Net for five years.....		<u>\$2,249,500 00</u>
Total per year.....		\$449,900 00
Estimated increase in operating expense for physical plant at end of five-year period, \$100,000.		

This report was received for record.

FURTHER LEAVE OF ABSENCE FOR MR. O. S. WATKINS.

(15) Mr. O. S. Watkins was given leave of absence until April 1 on full pay in order to recover from an attack of illness [page 861]. There is some difference of opinion as to what the University ought to do in the premises. I am not at present willing to make any recommendation, but am willing to assume authority, if the board gives it to me, of making an adjustment in the matter.

On motion of Mr. Hoit, the President of the University was authorized to make such adjustment in the matter of leave of absence given Mr. O. S. Watkins as in his judgment may seem wise, provided that the leave of absence granted shall not extend beyond September 1, 1916.

NAVAL CONSULTING BOARD.

(16) Dean W. F. M. Goss has been asked to serve as a member of the Board of Directors of the Organization of Industrial Preparedness for the State of Illinois, and as Associate Member of the National Naval Consulting Board.

On motion of Mr. Hoit, the President of the University was authorized to permit Dean Goss to serve on these boards.

INDUSTRIAL MUSEUM.

(17) A letter from Dean Goss asking that authority be given to construct a section of the Industrial Museum which shall take care of the various gifts made to the Engineering Museum of the University. It is believed that a section costing ten thousand dollars will take care of such matters as are immediately pressing.

No action was taken on this matter but the sentiment of the members present seemed to be in favor of erecting such a building in case any considerable gift should be made to the University which should require such housing.

The Executive Committee adjourned.

W. L. ABBOTT, *Chairman.*

H. E. CUNNINGHAM, *Clerk.*