

Meeting of December 10, 1907.

The regular meeting of the Board of Trustees of the University of Illinois was held at the University in Urbana, December 10, 1907.

When the board met the following members were present: Messrs. Abbott, Blair, Davison, Hatch, Lehman and Mrs. Alexander, Mrs. Evans, and Mrs. Busey; absent, Governor Deneen and Mr. Madden.

President James was present.

The secretary presented the minutes of the meeting of September 10, 1907, and of the special meeting of October 19, 1907, and these were approved as presented.

MATTERS PRESENTED BY PRESIDENT JAMES.

The president submitted the following matters for consideration:

1. The department of grounds made a request, approved by Dr. Burrill, for an appropriation of four hundred and fifty (\$450.00) dollars for the purchase of a team to be used in the care of the grounds.

Voted on motion of Mr. Blair that this request be referred to the Committee on Buildings and Grounds with power to act, adding to the committee, for the purpose of considering this item, Mr. Hatch.

2. The Illinois Pharmaceutical Association at its annual meeting in Galesburg last June, selected a list of three men from which the University under the agreement with the Illinois Pharmaceutical Association, is to choose one as member of the advisory board of the School of Pharmacy in place of Mr. Walter H. Gale, whose term of office expired July 1, 1907. The names of the following persons are presented for the consideration of the board:

Walter H. Gale, Chicago.

Edward S. Patten, Carbondale.

G. N. Cunningham, Champaign.

Voted on motion of Dr. Davison that Mr. Gale be elected as member of the advisory board of the School of Pharmacy for a term of five years from July 1, 1907.

3. Professor White, Supervising Architect, requests that the Board of Trustees authorize some committee to accept the auditorium chairs, the lighting fixtures, the heating and plumbing fixtures, and the tunnel connecting the heating plant with the auditorium, in order to close out these contracts.

Voted on motion of Mr. Blair that the Committee on Buildings and Grounds be authorized to accept the work done under these contracts as soon as it is completed satisfactorily, and close the contracts.

4. The Military Commandant requests that the trustees shall establish a first prize to be given to the winner of the annual individual competitive drill to be known as the University of Illinois gold medal; further that the Hazleton gold medal which under the conditions made by the donor, is to be worn by the winner only during the school year immediately following the date on which it was won, be awarded to the cadet winning second place in the individual competitive drill.

Voted that this matter be referred, with power to act, to the President of the University, the Military Commandant, and the president of the board.

5. Dr. Dexter resigned his position as Director of the School of Education in the summer. I found it necessary to ask Professor Colvin to assume the duties of director of the school. He has been performing these duties faithfully and will continue them during the present academic year. They have constituted a very serious addition to his burdens. I think he should be remunerated for this extra work.

Voted on motion of Mr. Blair that the same remuneration be given him as was given Dr. Dexter, namely five hundred dollars (\$500) for the academic year 1907-08.

LIBRARY; OFFICES.

6. One of the most serious situations now confronting the University is the equipment and housing of our University library. We have obtained from the legislature an appropriation for the extension of our collections. The stack room in the library is now full. The reading rooms during the busy hours of the day are practically crowded so as to admit no additional students. Some definite plan ought now to be adopted looking toward an adequate provision for the immediate future.

The Council of Administration has considered this matter and makes the following recommendations.

1. That the senate room be provided with book shelves to the height of seven feet or more around the room; that the Dittenberger library be immediately unpacked and housed in these shelves and that if this library should not require the entire shelving, the rest shall be assigned to the department of English or history as circumstances may make most desirable.

2. That the stack room of the library be immediately completed by adding two stacks in the present Library School room.

3. That the offices of the President, the Registrar, the Comptroller, the Purchasing Agent and the Dean of Undergraduates be provided for temporarily in one or the other or both of the new buildings now to be erected.

4. That the Library School be provided for in the rooms thus vacated and that any rooms not thus required for the Library School be converted into seminar rooms, in accordance with the original plans of the library.

I believe that if this recommendation of the Council be followed and these arrangements be completed within a year or fifteen months it will be possible to get the necessary relief from immediate pressure.

Voted on motion of Mr. Lehman that said recommendations of the council of administration be approved and that the president be directed to take the necessary steps toward carrying them into effect, and the money needed for the shelving in the Senate room was appropriated.

7. A report upon the work done by Professor Parr in his coal investigations.

8. The Dean of the College of Engineering, requests that William C. Bradford be appointed as additional assistant in the machine shop from December 1, 1907 to July 1, 1908, at a salary of eighty-five (\$85) per month.

Voted on motion of Mr. Lehman that said appointment be made.

9. Mr. Charles E. Sargent has presented to the University a gas engine possessing more than ordinary value. The University will have to supply a foundation for the engine and will probably have to meet the cost of transportation. The Dean of the College of Engineering recommends that this gift be accepted and that the Trustees express their appreciation therefore to Dr. Charles E. Sargent.

Voted on motion of Mrs. Alexander that the gift be accepted and that the secretary of the board write a formal letter of acknowledgment to Mr. Sargent.

LABORATORY OF NATURAL HISTORY.

10. The report of the Director of the State Laboratory of Natural History.
URBANA, ILLINOIS, DECEMBER 9, 1907.

To the Board of Trustees of the University of Illinois:

The work of the State Laboratory of Natural History in progress at the present time comprises the elaboration and discussion of the data of a year's continuous statistical investigation of the bird life of the State; a study of the mammals of the State, to which the time of one assistant is devoted; the preparation of a list of the *Orthoptera* of the State, now nearly completed; the preparation of a report on the distribution of Illinois fishes; the publication of a second report on the plankton of the Illinois and its adjacent waters, now in process of printing, and the collection and preparation of economic insects for distribution to the public schools.

Two assistants, Mr. A. O. Gross and Mr. H. A. Ray, engaged for the year ending August 23, 1907, in the collection of numerical data for a determination of the average bird population of the State, traveled on foot 1,592 miles, and recognized and listed 30,570 birds belonging to 157 species, the actual bird population of 44.24 square miles. This was an average for the year of 691 birds per square mile for the whole State, equivalent to a population in Illinois of about 39,000,000 birds. These observers crossed the State four times in the course of their observations, once in northern, twice in central, and once in southern Illinois, and travelled the greater part of its length three times, once through the center of the State and once each on its eastern and western borders. They also spent the three summer months in local travel and observation in the three divisions of the State—northern, central and southern, for a determination and enumeration of the summer resident birds. I am now concluding a paper giving the results of these mid-summer observations; and we have nearly completed the mathematical work for the data of the entire year.

Mr. F. E. Wood, engaged in a study of Illinois mammals, made a special investigation last spring of the damage done by moles to newly planted corn near Jacksonville, collecting material for a determination of the actual food of these animals, and studying their habits and operations in the field. He has also done extensive collecting work in Champaign and adjacent counties, and has made trips to the peculiar sandy region of Mason county and to the extreme lake region of northern Illinois. He will go, during the winter, to extreme southern Illinois for a collection and study of the mammals of that district. He has prepared many skins and other specimens of all the species encountered, and has thoroughly indexed the literature of his subject for convenient reference.

I have completed this fall, and have ready for publication, a paper on the general and local distribution of Illinois fishes, containing the results of a careful analysis of our collections made during the last thirty years. The distribution of each species in the State has been accurately mapped, and the different sections and river systems of the State; and its different geological areas, have been brought into comparison with each other in respect to their fish population. The Illinois species have likewise been compared and classified with reference to their distribution outside of the State in a way to show

how our fish fauna is related to that of the country at large. The manuscript of my general report on Illinois fishes is now being typewritten for the printer, and will follow in press closely upon the plankton bulletin now being printed.

I am planning next to enter upon a department of survey work not heretofore undertaken by us, in which, however, a considerable and rapidly increasing interest is manifested by the public at large. The law establishing the State Laboratory of Natural History at the State University provides that the director of the laboratory "shall conduct a natural history survey of the State, giving preference to subjects of educational and economic importance." A subject of special economic importance is the maintenance and increase of the supply of our forest products, and the necessary foundation of an intelligent practical program to that end is a survey of our present forest area, and particularly of those parts of it little likely to be eventually cleared for agricultural use. I propose, consequently, to begin, during next year, a piece of forestry survey work in the hill-lands of southern Illinois, to lead to the publication of a bulletin on the subject next fall, and hope to have the cooperation and assistance of the United States Forestry Department in this preliminary work. With such a beginning I should expect to be able to interest the State legislature in a suitable provision for its continuance and expansion according to its present and prospective importance.

Respectively submitted,
S. A. FORBES,
Director of Laboratory.

NUTRITION INVESTIGATIONS.

11. From Professor Grindley a report of the progress in the matter of nutrition investigation.

LABORATORY OF PHYSIOLOGICAL CHEMISTRY.

December 10, 1907,

President Edmund J. James, University of Illinois,

DEAR PRESIDENT JAMES—I submit herewith a report of the progress of the nutrition investigations. The work in all lines has been thoroughly organized, and the complete details involved in the original plans are being at present carried out. The investigation grows rapidly as we proceed with it. The undertaking is even much greater than we had anticipated. Notwithstanding this fact as yet we are able to manage the work successfully. To accomplish this is requiring much help, and the expense attending the entire investigation is large. The people connected with the researches last month not including the Nutrition Club itself numbered 50 and the pay roll amounted to \$1,461. Of course a considerable number of these helpers devoted only part of their time to the work. It will be necessary for us to add two or three more analysts in the very near future. The experimental data including the analytical, clinical, medical, and bacteriological, are at present accumulating rapidly and forming a very valuable collection of information. The members of the Commission, namely, Professors Chittenden, Abel, Smith, and Mathews, will meet in conference here at the University Friday afternoon and Saturday, December 27th and 28th. The detailed plans of the various lines of work have been placed in their hands some time ago, and at the coming meeting these will be thoroughly gone over and the members will be shown in full the laboratories and the equipment which we are using in carrying out the work. At the same time we will put before them as far as possible the data at that time available. If my report to you of October 16th was not presented to the Trustees. I should think it desirable that this should be done, since it would place clearly before them the condition of the work at that time. If you deem desirable, we should be pleased to have a committee of the Trustees or the entire Board inspect the work in so far as they desire. I enclose herewith copies of the detailed methods which were sent the Commission some time ago.

Yours very truly,
H. S. GRINDLEY.

12. A request from the committee of the class of 1908 that the said class be permitted to erect a bronze memorial tablet in the Auditorium as a gift to the University.

Voted on motion of Mrs. Alexander that the President of the University may accept such gift upon the recommendation of a committee appointed by him to pass upon its artistic merits and to recommend the exact place of its erection in the Auditorium.

PURCHASE OF BAND INSTRUMENTS.

URBANA, ILLINOIS, December 10, 1907.

To the Board of Trustees of the University of Illinois:

Your special committee on purchase of musical instruments recommends that the Purchasing Agent secure the band instruments, selecting them from the attached bids after consultation with the President of the University and representatives from the School of Music, the whole purchase price not to exceed the appropriation.

Respectfully submitted,

CHAS. DAVISON,
LEWIS L. LEHMAN,
FRED L. HATCH,
MARY E. BUSEY,
Committee.

Dr. Davison moved the adoption of the report. Mrs. Alexander moved that the report be recommitted. This motion was lost, and the motion to adopt was then passed.

SCHOOL OF PHARMACY.

Dr. Davison from the Committee on the School of Pharmacy reported progress, and asked for further time, which was granted.

COLLEGE OF MEDICINE.

Dr. Davison from the Committee on the College of Medicine reported progress, and asked for further time, which was granted.

COLLEGE OF AGRICULTURE.

Mr. Hatch from the Committee on Agriculture presented the following report, and moved its adoption:

URBANA, ILL., November 25, 1907.

To the Board of Trustees of the University of Illinois:

In behalf of the Committee on Agriculture, to which certain questions have been referred, I beg to report as follows:

1. The matter of changes in the general offices of the Agricultural Building was referred to this committee with power and it reports that such changes have been authorized as per the plans presented. For this purpose the committee requests an appropriation of \$1,500 to cover the estimates of the supervising architect.

2. The question of dispatching a member of the dairy department to the dairy regions of northern Europe was referred to this committee for recommendation. It appears that in connection with the experiments in progress in intensive dairying it is well to secure all the information possible of processes now in vogue in northern Europe. The information needed is not of the character which a teacher would be expected to possess himself; it is

rather of that particular nature involved in research work. It appears to your committee that it is not only wise to secure all such information possible in connection with definite experiments, but that it would be an oversight not to do so. We therefore recommend that a suitable member of the dairy department be authorized and directed to visit the intensive dairy regions of northern Europe, and the President of the University is authorized to appoint said man. The committee further recommends that the sum of \$700, or so much thereof, as may be necessary, be appropriated out of the funds for dairy investigation to cover the expenses of this trip.

3. The method of making purchases for the University by requisition is not well adapted to the ways in which live stock must be bought. That is to say the requisition follows the actual purchase. It is only a question of time when this will lead to great embarrassment for somebody. We therefore recommend that the board of Trustees provide a special method for making live stock purchases, by giving direct authority to certain individuals to make such purchases without a requisition, always under appropriations previously made by the board of Trustees.

4. In the progress of investigations with soils and with crops there is coming to be a need for a few long-time leases, and the occasional purchase of land. The nature of the business is such that well-defined methods of procedure ought to be provided. We therefore recommend that all leases running ten years or less, may be signed by the head of the department interested on behalf of the University; that leases running for longer than ten years should be signed by the comptroller, who may also sign contracts for purchases when necessary to practically close the deal before the purchase can actually be made by the Trustees themselves, provided that all leases are made with the privilege of the board of Trustees of the University to terminate any lease at the end of any biennial period, and that contracts for sales shall be made subject to the action of the Trustees.

5. The committee finds that because of dispute the University is without a south line fence on the portion of the farm assigned to the dairy department. The records show that on September 25, 1906, the Trustees ordered a fence built on the old line. This was done but the owner of the land adjoining has torn it down. The committee therefore recommends that Dean Harker, who has the legal aspect of the case in hand, be directed to exact the consent of Mr. Sullivan, the owner of the adjoining land, for the erection of the fence upon the old line or else, without further delay, to throw the case into the courts to determine where the line shall be.

All of which is,

Respectively submitted,

FRED L. HATCH.

It was decided to consider the several items of the report separately.

On motion of Mrs. Alexander the recommendation with regard to changes of offices in the Agricultural Building was approved, and the appropriation of \$1,500 was made.

Mr. Hatch moved the adoption of the second item of the report and the appropriation of \$700.00. The motion was adopted.

Mrs. Busey asked for a roll call, but the president of the board decided that, as the request for a roll call was not made until after the vote had been announced it was out of order.

Mrs. Alexander appealed from the decision of the president, and the appeal was not sustained.

Mrs. Busey asked to be recorded as voting no on the original motion and it was so ordered.

After some discussion the third item with regard to purchases of live stock was withdrawn by Mr. Hatch.

The fourth item with regard to leases and purchases was laid on the table on motion of Dr. Davison, and the President of the University was asked to consult with Judge Harker with regard to the proper procedure in making such leases and purchases.

Mr. Hatch moved the adoption of the recommendation with regard to the south line fence, and the motion prevailed.

ELECTRIC LIGHTING; FIRE PROTECTION.

The secretary presented the following recommendation from the Chairman of the Committee on Buildings and Grounds.

CHICAGO, ILL., Dec. 6th, 1907.

Mr. W. L. Pillsbury, Secretary University of Illinois, Urbana, Illinois.

DEAR SIR: Attached is a report of the inspection of the electric light and power wiring in the University building made by Mr. H. B. Gear upon the order of the chairman of the Buildings and Grounds Committee.

After receiving this report I sent a copy of it to the Supervising Architect of the University, directing him to have our entire electric system gone over, and the faults which were pointed out in the report corrected.

This report, which comprises eight type written pages, was very thorough, and while many criticisms of the existing conditions were made these criticisms related, for the most part, to minor matters or to a style of work which was acceptable years ago before the art had developed to its present standard.

The last paragraph of the report reads as follows:

"In general I may say that the condition of the electrical equipment of the University buildings, as a whole, is rather better than in the average group of buildings of its size, and compares favorably with any similar group used for either commercial or educational purposes, with which I am acquainted."

As there is no insurance upon the University buildings, and as the loss by fire of one or more of our buildings would fall ultimately on the State, but primarily on the University, I am of the opinion that it should be the policy of the board, which is responsible for the safety of these buildings to have careful inspections made by disinterested inspectors at least once a year, and, carrying out this idea, I recommend that an appropriation of \$50.00 be made to cover the cost of a careful inspection of our fire protection apparatus, and of the general condition of the property as regards fire risks.

Very respectfully submitted,

W. L. ABBOTT,

Chairman Building and Grounds Committee.

The recommendation with regard to an inspection of the fire protection apparatus and the condition of property as regards fire risks was adopted, and the appropriation of \$50.00 for the inspection this year was appropriated.

The board adjourned to meet at the Palmer House in Chicago at 3:00 o'clock p. m. Thursday, December 12, 1907.