

### MEETING OF JULY 6, 1901.

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The following call for a special meeting of the Board of Trustees of the University of Illinois was issued July 1, 1901:

"Upon the call of the President, Mr. T. J. Smith, there will be a special meeting of the Board of Trustees of the University of Illinois at 8 o'clock a. m., Saturday, July 6, 1901, in the Trustees' Room, Library Building Urbana, Illinois, to consider the report of the Committee on Buildings and Grounds with reference to the new chemical laboratory and any other business which may be duly presented."

When the Board met pursuant to the foregoing call there were present Messrs. Bullard, Hatch, McKay, McLean, Nightingale, and Smith and Mrs. Carriel, Mrs. Abbott, and Mrs. Alexander; absent, Governor Yates and Messrs. Bayliss and Conrad. President Draper was present.

The Committee on Buildings and Grounds was authorized to advertise for bids for furnishing the University with coal and for hauling the same during the year beginning Sept. 1, 1901, and to contract for the coal and for the hauling upon satisfactory bids.

Mr. McLean offered the following resolution which was adopted:

*Resolved*, That all resolutions which shall be presented to the Board shall be reduced to writing when offered for consideration.

#### CHEMICAL LABORATORY.

The plans prepared by Mr. Spencer for the new Chemical Laboratory, were then considered, and, on motion of Mrs. Carriel, were adopted.

It was voted that the Committee on Buildings and Grounds should select the location for the building.

Mr. Bullard and Mr. Spencer were requested to go to Lawrence, Kansas, and investigate the plan of ventilation used in the chemical laboratory of the University of Kansas.

## COMMUNICATIONS FROM PRESIDENT DRAPER.

CHAMPAIGN, ILL. July 5, 1901.

*To the Board of Trustees of the University of Illinois:*

## COLLEGE OF MEDICINE.

The teaching and executive faculties of the College of Medicine recommend that the faculty of the College be as follows for the coming year, and I advise your approval, but upon the understanding that this action has no bearing upon the salaries of teachers and employés.

Andrew Sloan Draper, LL. D., President.

William Edward Quine, M. D., Dean and Professor of Practice of Medicine and Clinical Medicine.

Daniel Atkinson King Steele, M. D., Actuary and Professor of Clinical Surgery.

Oscar A. King, M. D., Professor of Neurology, Psychiatry and Clinical Medicine.

Henry Parker Newman, A. M., M. D., Professor of Clinical Gynecology.

Bayard Holmes, B. S., M. D., Professor of Practice of Surgery.

G. Frank Lydston, M. D., Professor of Genito-Urinary Surgery and Venereal Diseases.

Robert Hall Babcock, A. M., M. D., Professor of Clinical Medicine and Diseases of the Chest.

John Erasmus Harper, A. M., M. D., Professor of Ophthalmology and Clinical Ophthalmology.

James Madison Gore Carter, A. M., Sc. D., Ph. D., M. D., Emeritus Professor of Clinical Medicine.

Walter Shield Christopher, M. D., Professor of Pediatrics.

Henry Truman Byford, A. M., M. D., Professor of Gynecology and Clinical Gynecology.

William Allen Pusey, A. M., M. D., Professor of Dermatology and Clinical Dermatology, and Associate Professor of Venereal Diseases.

Moreau Roberts Brown, M. D., Professor of Laryngology, Rhinology, and Otology.

Thomas Archibald Davis, M. D., Professor of Practice of Surgery.

John Alfonso Wesener, Ph. C., M. D., Professor of Chemistry.

Thomas Melville Hardie, A. B., M. B., M. D., Clinical Professor of Laryngology, Rhinology, and Otology.

William Augustus Evans, B. S., M. D., Professor of Pathology.

Frank Breckenridge Earle, M. D., Professor of Obstetrics.

Henry Leland Tolman, Professor of Medical Jurisprudence.

Francis Roberta Sherwood, M. D., Associate Professor of Surgery.

William Thomas Eckley, M. D., Professor of Anatomy and Director of Museum.

Adolph Gehrman, M. D., Professor of Hygiene and Bacteriology.

Arthur Henry Brumback, M. D., Professor of Physical Diagnosis.

George Frank Butler, Ph. G., M. D., Professor of Materia Medica and Therapeutics.

William McIntyre Harsha, A. B., M. D., Professor of Operative and Clinical Surgery.

Maurice Louis Goodkind, M. D., Professor of Clinical Medicine.

Frank Eldridge Wynekoop, M. S., M. D., Professor of Biology and Embryology.

Carl Beck, M. D., Professor of Surgical Pathology.

Lee Harrison Mettler, M. D., Professor of Physiology of the Nervous System.

Casey Albert Wood, C. M., M. D., Professor of Clinical Ophthalmology.

George Peter Drayer, Ph. D., Professor of Physiology.

Louis Jefferson Mitchell, M. D., Professor of Anatomy.

Harris Ellett Santee, A. M., M. D., Professor of Anatomy.

John Lincoln Porter, M. D., Professor of Orthopedic Surgery.

Joseph McIntyre Patton, M. D., Professor of Physical Diagnosis.

Daniel Nathan Eisendrath, A. B., M. D., Professor of Clinical Anatomy.

- Don Lee Shaw, M. D., Professor of Anatomy.  
Julius Henry Hoelscher, M. D., Professor of Clinical Medicine.  
A. J. Ochsner, M. D., Professor of Clinical Surgery.  
Alexander Hugh Ferguson, M. D., Professor of Clinical Surgery.  
Twing Brooks Wiggin, M. D., Professor of Microscopical and Chemical  
Diagnosis.  
Fred Carl Zapffe, M. D., Professor of Histology.  
Edward Graffam Earle, M. D., Adjunct Professor of Medicine.  
Charles Clayton O'Byrne, M. D., Adjunct Professor of Pathology.  
John Henry Curtis, M. D., Adjunct Professor of Clinical Medicine.  
George Washington Post, A. M., M. D., Adjunct Professor of Clinical  
Medicine.  
Andrew McDiarmid, M. D., Adjunct Professor of Obstetrics.  
Charles Davison, M. D., Adjunct Professor of Clinical Surgery.  
Stephen Gano West, M. D., Adjunct Professor of Gynecology.  
Rachelle Slobodinsky Yarros, M. D., Adjunct Professor of Clinical Obstet-  
rics.  
Bernard Fantus, M. D., Adjunct Professor of Materia Medica.  
Edward Henry Lee, M. D., Adjunct Professor of Clinical Surgery.  
James Mitchell Neff, M. D., Adjunct Professor of Practice of Medicine.  
Aristides Edwin Baldwin, LL. B., D. D. S., M. D., Adjunct Professor of  
Surgery (Stomatology).  
Eugene Rudolph Whitmore, B. S., M. D., Adjunct Professor of Chemistry.  
Samuel Johnson Walker, A. B., M. D., Adjunct Professor of Pediatrics.  
William Elliott Gamble, B. S., M. D., Adjunct Professor of Ophthalmology  
and Clinical Ophthalmology.  
Frank Gregory Connell, M. D., Adjunct Professor of Surgery.  
Edward Franklin Wells, M. D., Associate Professor of Practice of Medi-  
cine and Clinical Medicine.  
William Kilbourn Jaques, Ph. M., M. D., Adjunct Professor of Practice of  
Medicine.  
James William Walker, M. D., Adjunct Professor of Practice of Medicine.  
Sanger Brown, M. D., Adjunct Professor of Practice of Medicine.  
Jakubowsky Siegfried, M. D., Adjunct Professor of Microscopical and  
Chemical Diagnosis.  
Arthur W. Stillians, M. D., Adjunct Professor of Microscopical and Chem-  
ical Diagnosis.  
Anabel Holmes, M. D., Adjunct Professor of Microscopical and Chemical  
Diagnosis.  
Aime Paul Heineck, M. D., Adjunct Professor of Surgery.  
Raymond C. Turck, M. D., Adjunct Professor of Surgery.  
Charles Spencer Williamson, M. M., Adjunct Professor of Practice of  
Medicine.  
Wm. Fuller, M. D., Adjunct Professor of Clinical Surgery.  
Wm. J. Butler, M. D., Clinical Professor of Pediatrics.  
William Lincoln Ballenger, M. D., Assistant Professor of Laryngology,  
RhinoLOGY and Otology.  
Franklin Snow Cheney, A. M., M. D., Assistant Professor of Clinical Pedi-  
atrics.  
Channing Whitney Barrett, M. D., Adjunct Professor of Clinical Gyne-  
cology.  
William Edward Coates, M. D., Instructor in Microscopical and Chemical  
Diagnosis.  
Corinne Buford Eckley, Demonstrator of Anatomy.  
Ira Wynekoop, B. S., M. D., Instructor in Biology.  
Geoffrey Joseph Fleming, M. D., Instructor in Materia Medica.  
Addison Cary Page, M. D., Instructor in Pathology.  
Richard Hunt Brown, M. D., Clinical Instructor in Laryngology and  
RhinoLOGY.  
Charles Nelson Ballard, B. S., M. D., Clinical Instructor in Gynecology.  
James Moreau Brown, M. D., Clinical Instructor in Laryngology and Rhi-  
nology.

Wallace McMurry Burroughs, M. D., Clinical Instructor in Nervous Diseases.

Clyde Dale Pence, M. D., Clinical Instructor in Nose and Throat.

Theodore Sachs, M. D., Clinical Instructor in Medicine.

Edward Fischkin, M. D. Clinical Instructor in Dermatology.

Kasimir Zurawski, M. D., Clinical Instructor in Dermatology.

Waldemar Eberhardt, B. S., M. D., Clinical Instructor in Diseases of the Chest.

Lois Lindsay Wynekoop, M. D., Assistant in Biology.

Charles Rohr, M. D., Assistant in Bacteriology.

Felix Kalacinski, M. D., Assistant in Pathology.

Brown Pusey, M. D., Clinical Instructor in Ophthalmology.

G. F. Saker, M. D., Clinical Instructor in Ophthalmology.

Clarence Bruce King, M. D., Clinical Instructor in Medicine.

Frank Donaldson Moore, M. D., Clinical Instructor in Medicine.

Francis M. Allen, M. D., Clinical Instructor in Diseases of Children.

Vandy Frank Masilko, M. D., Clinical Instructor in Diseases of Children.

Robert Arnot Sempill, Clinical Instructor in Dermatology.

J. A. Betz, M. D., Clinical Instructor in Nose and Throat.

S. G. Witherspoon, M. D., Clinical Instructor in Gynecology.

Ludwig Simon, M. D., Clinical Instructor in Gynecology.

M. A. Maas, M. D., Clinical Instructor in Gynecology.

C. N. Ballard, M. D., Clinical Instructor in Gynecology.

James Michael Lang, M. D., Clinical Instructor in Gynecology.

F. W. Henkel, M. D., Clinical Instructor in Gynecology.

Irene Smedly, M. D., Clinical Instructor in Nervous Diseases.

F. M. Scott, M. D., Clinical Instructor in Nervous Diseases.

A. N. DeVault, M. D., Clinical Instructor in Diseases of the Chest.

C. F. P. Korsell, M. D., Adjunct Professor of Clinical Medicine.

C. O. Bechtol, Assistant Professor in Chemistry.

M. J. Seifert, M. D., Instructor in Physiology.

Edward L. Heintz, M. D. Assistant Professor of Materia Medica.

Noble M. Eberhart, Instructor in Medicine.

M. J. Seifert, M. D., Instructor in Medicine.

L. Blake Baldwin, M. D., Clinical Professor of Dermatology.

E. H. Ochsner, M. D., Adjunct Professor of Clinical Surgery.

I also transmit the annual statement of the Executive Faculty of the College of Medicine touching appropriations and salaries for the coming year. Notwithstanding every effort to procure this at an earlier time, it has only just come to hand. There has not been time for its careful examination, but it very clearly needs some modifications before being ready for the action of Board. It is therefore recommended that the expenditure of the college be allowed to proceed on the same basis as last year until the next meeting of the Board, and that in the meantime the statements be referred to the Committee on Finance and the Business Manager for investigation, conference with the officers of the college and report to the Board.

Both of the foregoing recommendations were adopted.

#### INSTRUCTION; APPARATUS.

I submit the following recommendations:

1. That the salary of Professor Dodge be \$2,200 per annum.

2. That Gerdt Adolph Gerdtzen be appointed Assistant Professor of Machine Design in the department of mechanical engineering at \$1,600 a year.

3. That instructors be appointed as follows for ten months at the monthly pay indicated:

In mechanical engineering, David Carroll Veirs, at \$75.

In chemistry, Azariah T. Lincoln, at \$85.

In the Preparatory School, Cline F. Davidson, at \$80.

4. That David L. Scroggins be appointed Mechanician in Machine Shop, at \$70 per month for ten months.

5. That Wilber John Fraser, Instructor in Dairy Husbandry, be paid \$700 from the College fund, \$300 from the U. S. Station fund, and \$600 from the State Station fund.

6. That the salary of Archibald Dixon Shamel, Instructor in Farm Crops, be \$1,600, of which \$700 shall be paid from the College fund, and \$900 from the State Station fund.

7. That the salary of Willard John Kennedy, Instructor in Animal Husbandry, be \$1,600, of which \$700 be paid from the College fund, and \$900 from the State Station fund.

8. That the salary of Oscar Erf, Instructor in Dairy Husbandry be \$1,400.

9. That J. H. Pettit be appointed Assistant in Chemistry in the Agricultural Experiment Station at \$1,000 a year to be paid from the State Station fund.

10. There is some reason to believe that Mr. A. B. Steubenrauch, appointed Assistant in Horticulture at the last meeting, may not accept, and no suitable candidate has been found for the position in soil physics. It is recommended that the President be empowered to arrange terms and fill one or both of these positions as may be necessary.

11. The resignation of William Esty, Jr., as Associate Professor of Electrical Engineering, is transmitted, with the recommendation that it be accepted to take effect September 1st.

12. That the sum of \$500 be paid to Judge O. A. Harker for services in the College of Law in the coming year, as heretofore.

13. That the sum of \$500 be appropriated for incidental expenses and apparatus in the two departments of chemistry.

14. That the sum of \$1,000 be appropriated for apparatus in the department of physiology.

15. That Albert Leroy Marsh be reappointed assistant in chemistry on the Water Survey at \$50 per month for 12 months.

16. That R. S. Woodrow, of Lincoln, Illinois, be appointed field assistant in sugar beet experiments at \$1,000 for eight months service, to be paid in 12 monthly installments, upon the understanding that he will spend the other four months in work as a student in the College of Agriculture.

17. That authority be given the President to engage on the best terms possible Mr. Coates P. Bull, of Minnesota, as Instructor in Farm Crops at a salary not to exceed \$1,500. This is for the purpose of enabling Mr. Shamel to take up the experimental work on corn provided for by the recent State appropriation.

18. It is recommended that in case of men who serve the Experiment Station under its new conditions, and whose duties begin on July 1st, that the advance in salaries begin with July 1st.

19. That the sum of \$800 be appropriated for the purchase of equipment for a bacteriological laboratory to be established by Professor Burrill and for the present to be located in the Agricultural Buildings.

20. That authority be given Professor Burrill to engage a stenographer and typewriter in his office at a salary of \$40 per month for 12 months, upon the understanding that the salary shall be borne in equal parts by the University general fund and the agriculture funds.

The foregoing recommendations Nos. 1 to 20, inclusive, were adopted.

21. I transmit the following joint recommendations of the Dean of the College of Agriculture and Director of the Experiment Station and the several committees representing the different State societies named in the bill appro-

priating funds for experimentation in agricultural lines touching the classes of experiments to be entered upon as provided in said bill, and advise that the several recommendations be approved by the Board.

*President A. S. Draper:*

DEAR SIR—The following recommendations are the result of a most careful and harmonious conference between the Director and other Station workers upon the one hand and the various committees mentioned in "Bill 315" upon the other and, with estimate for appropriations, they are respectfully presented for consideration of the Board of Trustees.

#### AGRICULTURAL EXPERIMENTS PROPOSED.

##### *A. Under the "Live Stock Section."*

1. That the committee appointed by the Illinois Live Stock Breeders' Association under the provisions of "Bill 315" be known as the University Live Stock Advisory Committee.

2. That for the present a minimum amount should go into buildings and every available dollar be used for experiments.

3. That at present experiments in cattle feeding at the University should be so far as possible in car load lots, fed in yards with cheap but substantial shelter sheds, in order to approximate the conditions of the actual feeder.

4. That the questions most useful to try to settle at present are: (a) Relative of different foods, especially those that are grown upon the farms, as clover compared with timothy hay. (b) The use of gluten meal with corn. (c) The relation between the amount of feed and economy of gain. (d) The influence of age upon the quantity and quality of gain. These cannot all be conducted at once at the University, but information should be sought along these lines.

5. That efforts be made to coöperate somewhat extensively with leading feeders by inducing them to undertake each a single experiment under such surroundings as he may have; the University to plan the experiment and assist in taking records.

6. That these should be combined steer and pig feeding experiments and that something should be done in a small way with questions of horse and sheep feeding.

7. That systematic efforts be made to collect reliable information as to methods of feeding in actual use in localities and countries that compete with Illinois in the world's markets.

8. That somewhat later a small herd of "scrub" cows and their calves be purchased—such as are in common use for the purpose—the calves fed off against an equal number of the best pure bred calves. That the cows be bred to a pure bred sire and the half blood steers be fed off, again in comparison with pure bred ones. That the grade heifers be bred to pure bred sires, their male progeny fed off and the females kept for further "grading up"—all to ascertain the exact comparative value of the scrub, the grade, and the pure bred, and the number of generations before the grade will approximate the pure bred animal.

9. That the returns of the earlier feeding experiments be utilized to erect a plain but suitable barn for more exact feeding experiments.

10. That typical specimens representing standard classes and breeds of live stock be secured, some by purchase and others by loan, and maintained in good condition for class work.

##### *B. Under the "Corn Section":*

1. That experiments be conducted both at the University and in coöperation with corn growers in different sections of the State.

2. That experiments in breeding corn for improvement in its chemical composition and physical characteristics should be continued and extended.

3. That the subject of corn judging should be further developed and score cards for the standard varieties established.

4. That efforts be made to determine the vitality and germinating power of the seed corn commonly planted by farmers of the State; also that information be distributed relative to methods of testing seed corn, and for its preservation.

5. That experiments be conducted to improve the methods of corn cultivation.

6. That the adaptations of standard varieties to the different sections of the State be investigated.

7. That investigations be made of the methods of storing and marketing of corn.

8. That experiments be conducted as soon as possible to determine the relative feeding value of corn of high and low protein content and of high and low oil content.

#### *C. Under the "Soil Section":*

1. In order to determine the immediate needs of the soil it was agreed that plat experiments should be conducted in about 15 or 20 localities in different sections of the State on different classes of soils which are typical of large areas of land. These plat experiments should include applications of the different elements of plant food and different methods of soil treatment, in order to discover whether the soil is deficient in the available supply of essential elements of fertility, whether its physical condition may be improved and its productive capacity increased.

2. Analyses should be made of the various typical soils throughout the State (beginning with those which represent the largest areas) to determine the total quantities of the several elements of plant food in the soils and the conditions in which it exists, both in virgin soils and in the long cropped and worn soils of the same type, in order to ascertain the effects of past and present systems of farming upon the stock of soil fertility and to furnish information as to the systems of farming which should be adopted for the various types of soil so that fertility may be utilized and conserved.

3. Investigations should be made of various soils of the State which are representative of large areas and which present special difficulties; as, for example, the "scalds," the so-called "dead dog," "bogus" or "alkali" lands, etc.

4. It was agreed that the Experiment Station should invite the coöperation of the Division of Soils of the United States Department of Agriculture in beginning a soil survey of the State.

The committee voted to recommend to the Trustees of the University of Illinois that they employ some competent person whose duties should include frequent reports to the press of the State regarding the work of the Agricultural College and the progress of agricultural experiments and investigations.

#### *D. Under the "Horticultural Section":*

1. The publication before August first a bulletin upon the picking, packing, and marketing of apples and pears.

2. The publication at an early date of a bulletin upon the picking, packing, and marketing of small fruits.

3. Experiments with cool and cold storage of fruits in cellars and cold storage possibly to the extent of \$1,300.00 and \$1,600.00 respectively.

4. Investigation of bitter rot and other diseases to the extent of \$2,400.00.

5. That \$1,500.00 be set aside for traveling and incidental expenses.

6. That experiments in cover crops be conducted.
7. That experiments in spraying be conducted as deemed wise by the Station.
8. That the committee should meet at the call of the Director, but that more than one meeting a year is likely desirable.

*E. Under the "Dairy Section":*

It was decided that the greater part of the energy should be devoted to field work over the State; that a careful study should be made of the dairy conditions as they exist with a view of correcting wrong practices, and helping in every possible manner to improve dairy conditions. It was suggested that a greater portion of this work had best be carried on in the dairy district of northern Illinois.

Experiments to be conducted at the University, so far as funds will permit, were agreed upon as follows, and were thought to rank in importance in the order named.

*Dairy Cattle.*

1. Ridding cows of flies.
2. Determining upon how small a quantity of milk calves can be successfully reared, and the best substitutes for milk as food for calves.
3. Immediate and continued effect of different quantities of the same feeds upon milk production.
4. Wide vs. narrow rations for dairy cows, and the ration most economical for Illinois.

*Creamery.*

1. Determine why some cream will whip while other cream containing the same per cent of butter fat will not.
2. Determine most effective insulation for creamery refrigerators.
3. Experiments on moulds in refrigerators.
4. Determine the species of bacteria that cause butter to deteriorate most rapidly at low temperature.
5. Experiments in making butter from cream which has been frozen.

*F. Under the "Sugar Beet Section":*

1. That the work should be in charge of an experienced man thoroughly posted on the sugar beet and its methods of cultivation.
2. That the coöperation of a number of representative farmers should be enlisted on whose farms beets are grown.
3. That a happy feature incident to such a line of coöperative experiments would be the progressive ideas encouraged in the farmer and the cordial relations that would develop between the farmers and the Station.
4. The experiments conducted and the data collected should have reference to the variety of beets grown, the methods of fitting the ground, cultivation, time of planting and harvesting, and the tonnage and quality of crop. Regard should also be had to the precipitation and temperature.

Specific lines of investigation suggested are:

1. Crop rotation with sugar beets, which crops should precede and which should follow beets.
2. Preparation of soil and methods and time of planting and cultivation of beets.
3. Investigation to determine the types of soil best adapted to sugar beets and value of manure and fertilizers.



4. Testing standard varieties of beets and experiments with the breeding of beets to improve the quality.

5. Studies in the cost of production with the special view of increasing the use and efficiency of machinery and reducing the expense of beet growing.

6. Investigation of insect and fungous enemies and methods of preventing injuries.

7. Experiments to determine the feeding and fertilizing value of beet tops and of by-products from beet sugar factories.

#### *Appropriations*

To carry out the provisions of the act and the recommendations herein contained and to defray such general expenses as will naturally arise in the way of travel, administration, publications salaries, etc., it is requested that the sums contained in the bill be made available for their several purposes by appropriation as follows:

For live stock feeding experiments.....	\$ 8,000 00
For purchase and maintenance of live stock specimens.....	8,000 00
For experiments in corn and its cultivation.....	10,000 00
For soil investigations.....	10,000 00
For horticultural investigations.....	10,000 00
For dairy investigations.....	5,000 00
For sugar beet investigations.....	3,000 00

Should the total fund not be available to the University on July 1, then the estimates should be reduced *pro rata*.

All of which is respectfully presented.

E. DAVENPORT,

*Dean College of Agriculture, Director Experiment Station.*

The recommendations were adopted.

#### SQUIRRELS ON THE CAMPUS.

22. For some years I have had in mind the domestication of squirrels upon the grounds of the University and have made some investigations which lead me to believe that the suggestion is entirely practicable. Conferences with Professor Charles W. Rolfe have led him to ascertain where the animals can be found, and to look into the methods for housing and retaining them. The expense of such an undertaking is uncertain, but would easily be within \$250. To many such a movement at such a cost would seem chimerical. It does not seem so to me. If successful, the influence upon University life, and upon the feelings of students, would be considerable, and students would carry that influence to all parts of the State. I therefore recommend that Professor Rolfe be asked to initiate and supervise the enterprise, and that \$250 or so much as may be necessary be appropriated to meet the expenses.

The recommendation was adopted.

#### UNIVERSITY SENATE.

I recommend the following amendments to the University Statutes:

Add to Section 4 concerning the University Senate the following:

The term "department" as here used shall mean such subdivision of the University organization as is marked by an individuality of its own, in the head of which there is centered some measure of administrative authority and responsibility. For the present the Colleges of Law and Medicine, the School of Library Science, School of Music, and the School of Pharmacy shall

each be represented by the Dean, ranking professor, or Director thereof. The other University departments to be represented by the head of each shall be as follows: Agronomy, Animal Husbandry, Architecture, Art and Design, Botany and Horticulture, Chemistry, Applied Chemistry, Civil Engineering, Economics, Education, Electrical Engineering, English Language and Literature, Geology, German, Greek, History, Horticulture, Household Science, Latin, Mathematics and Astronomy, Mechanical and Railway Engineering, Military Science and Tactics, Municipal and Sanitary Engineering and Theoretical and Applied Mechanics, Philosophy, Physical Training, Physics, Physiology, Rhetoric, Romanic Languages, Veterinary Science, Zoölogy.

#### CARE OF THE BUILDINGS AND GROUNDS.

I also recommend that all under the heads of "Superintendent of Buildings and Grounds" and "Heat, Light and Power Plant" on pages 26, 27 and 28 of the edition 1900 be stricken out and the following inserted:

After Sept. 1, 1901, the buildings and grounds of the University shall be in the immediate charge of three superintendents, viz., (a) a Superintendent of Buildings, (b) a Superintendent of Grounds, and (c) a Superintendent of the Central Heat, Light, and Power Station and the Water Station. These officers shall be appointed by the Board of Trustees, upon the recommendation of the President of the University, shall observe the general requirements of the Committee on Buildings and Grounds, and in the absence of such Committee shall be under the direction of the President of the University. They shall appoint such assistants, janitors, watchmen, and other employés in their respective departments as are authorized by the Trustees, and may also employ temporary workmen as may be needed, with the approval of the President and Business Manager of the University. They are enjoined to disregard all influences exerted in behalf of individuals and to make appointments solely upon the basis of merit and fitness. They will endeavor to retain competent and loyal employés indefinitely by assuring them permanency of position and giving them such confidence and recommending such rewards for them as may seem practicable. They shall suspend employés in their respective departments from employment when no longer needed, or at any time for cause, but shall report such action to the Chairman of the Board of Trustees. They shall be severally responsible for the physical condition and the efficiency of such parts of the University plant as are under their charge.

The professors of architecture, mechanical engineering, electrical engineering, sanitary engineering, horticulture, etc., shall, as a part of their regular employment, stand in an advisory relation to the superintendents aforesaid touching such parts of the plant as are in character related to the work of their departments; they shall possess themselves of full information touching the details of such parts, shall at all times be free to recommend changes and improvements therein, and any unusual changes therein shall be made with their approval or they shall forthwith report the fact to the President in writing.

The amendment was adopted.

The following resolution offered by Mr. McKay was adopted:

*Resolved*, that in all matters coming before the Board of Trustees involving the payment and disbursement of moneys such subject matter be referred to the Finance Committee for its consideration and report: *Provided, however*, that such matters may be considered without reference by unanimous consent of the Board, and that this be the standing rule of the Board.

## PAROLE OF CHARLES W. SPALDING.

Under date of July 3, 1901, Charles S. Deneen, State's Attorney for Cook county, wrote the President and some other members of the Board as follows:

DEAR SIR—Application for parole of Charles W. Spalding, now serving sentence in the Joliet penitentiary upon a conviction of embezzlement of the funds of the State University, will be presented at the next meeting of the Board of Pardons to be held on the second Tuesday of this month. I have been requested to make some recommendation in view of the fact that he has now been incarcerated over four years and over three years of that time in the penitentiary, but I am reluctant to make any recommendation in which I am not joined by the persons most deeply interested in the result of his peculations. As the funds thus dissipated belonged to the State University, I have to request you as an officer of that institution to at once write to me your views as to whether I should recommend to the Board of Pardons favorable action upon his application for parole. Please give me an immediate reply.

Very respectfully,

CHAS. S. DENEEN.

In response to this communication the Board adopted the following resolution:

*Resolved*, That the Board of Trustees of the University of Illinois is opposed to granting either parole or pardon to Charles W. Spalding.

The Secretary was directed to transmit a copy of this resolution to State's Attorney Deneen.

## REPORTS OF FEES, ETC.

Upon the suggestion of the Secretary paragraph 12 on page 21, of the Statutes of the University, edition of 1900, was amended to read as follows:

12. The Registrar shall report in detail to the Board at each regular meeting after the close of a semester or a term of the University, the number of students, who, during said semester or term, were indebted to the University for term fees, tuition, deposits, and all other financial obligations (with the amounts of each) imposed by their attendance upon the University.

The Committee on Publication recommended the approval of an agreement with the Champaign County Printing Co. to print the report of the chemical survey of water supply, and the recommendation was adopted.

## SUPERINTENDENTS.

President Draper made the following recommendation:

URBANA, ILL., July 6, 1901.

*To the Board of Trustees of the University of Illinois:*

I hereby recommend the following appointments to take effect Sept. 1, 1901: Superintendent of Buildings, F. L. Peterson, at \$1,200.00 per annum.

Superintendent of Grounds, Fred Atkinson, at \$1,000 per annum.

Superintendent of Heating, Lighting and Power Station and Water Station, Joseph Morrow, at \$1,200 per annum.

A. S. DRAPER, *President*.

The Board appointed Messrs. Atkinson and Morrow and referred the appointment of a superintendent of buildings to the Committee on Buildings and Grounds.

## JANITORS, HELP, WATCHMEN.

President Draper transmitted, with his approval, the following recommendations with regard to janitorships, etc.. from the Superintendent of Buildings and Grounds:

CHAMPAIGN, ILL., July 8, 1901.

*President A. S. Draper:*

DEAR SIR—Responding to your request, I advise you that, in my judgment, it will be necessary to provide for at least the following employés:

## JANITORS.

One man at University Hall at \$40 per month.  
One man at Agricultural Buildings at \$32 per month.  
One man at Engineering Hall at \$40 per month.  
One man at the Armory at \$40 per month.  
One man at Electrical Laboratory at \$32 per month.  
One man at Chemical Laboratory at \$32 per month.  
One man at Mechanical Engineering Shops at \$32 per month.  
One man at Testing and Hydraulic Laboratories at \$32 per month.  
Two men at New Gymnasium at \$32 per month.  
Three women at \$1 each per working day.  
One student, part time, at Astronomical Observatory at \$15 per month.  
One student, part time, at Library building at \$15 per month.

## HEAT, LIGHT AND POWER AND WATER STATIONS.

From six to ten men, according to the time of year, will be needed in connection with the Heat, Light and Power Station. They are paid by the hour, according to the character of the work.

## GROUNDS.

In addition to the gardener and assistant, through the greater part of the year, two workmen are needed. At certain times a considerable number of workmen is imperative, and there should be authority to employ them as needed.

## WATCHMEN.

A day watchman, at \$50 per month, and a night watchman, at \$40 per month, are employed, and should be continued.

The sum of \$1,000 should be appropriated, out of which extra labor can be paid for as may become necessary.

I am, very truly yours,

N. S. SPENCER,

*Superintendent of Buildings and Grounds.*

The recommendations were adopted.

## SCHOOL OF PHARMACY.

President Draper offered recommendations regarding a report presented by the Committee on Pharmacy at the meeting of June 11th, and on motion of Mrs. Abbott, action upon such of these recommendations as related to the reorganization of the School and to the establishment of an evening school was deferred to the September meeting of the Board; and the following recommendation with regard to appointments and salaries for the ensuing year was adopted:

It is recommended that the Faculty of the School of Pharmacy be reappointed; that the guaranteed salaries be the same as last year, \$3,000; that Dr. Rodgers be paid \$100 and that the remaining \$2,900 be divided as follows, viz.: Professor Hallberg one-third or \$966.66, and Professor Puckner the same, Professor Goodman two-ninths or \$644.44, and Professor Day one-ninth or \$322.22, and that each teacher pay his assistant if he has one; and if there should be an excess of receipts over expenses on this basis it be divided in the same proportion, excluding Dr. Rodgers, up to the sum of \$1,500, beyond which sum the Faculty shall in no event have any claim.

#### UNIFORMS FOR THE BATTALION.

The Finance Committee made the following report which was adopted:

URBANA, ILL., July 6, 1901.

*To the Board of Trustees.*

The Committee on Finance respectfully reports on the matter of uniforms referred to it at the March meeting and recommends that the Business Manager be authorized to renew the present contract for one year.

F. M. MCKAY,  
ALEXANDER McLEAN,  
A. F. NIGHTINGALE,

*Finance Committee.*

The Committee on the College of Medicine was directed to inquire into the matter of the fire on the premises of the College.

The Board then took a recess to 2:30 p. m.

#### AFTERNOON SESSION, JULY 6, 1901.

When the Board met after the recess the same members were present as at the morning session.

#### SCHOLARSHIPS IN THE COLLEGE OF AGRICULTURE.

URBANA, July 6, 1901.

*To the Board of Trustees of the University of Illinois:*

Your Agriculture Committee and the President beg leave to report regarding scholarships in the College of Agriculture as follows:

1. That the special scholarships in the College of Agriculture be continued—one for each county (except Cook and Lake) and one each for the first ten congressional districts.

2. That appointments to these scholarships be made by the Trustees as heretofore upon recommendation of the Illinois Farmers' Institute.

3. That scholarships in Household Science (College of Agriculture) be established—one for each county (except Cook and Lake) and one each for the first ten congressional districts.

4. That appointments to scholarships in Household Science be made by the Trustees upon recommendation by the respective county domestic science associations organized in in connection with farmers' institutes.

5. That counties and districts not represented by domestic science associations organized in connection with their farmers' institutes shall not be entitled to representation; but in case there should be more than one acceptable candidate from a given county that is so represented such excess may be assigned to counties not represented by organized associations.

6. That institutes and associations are earnestly requested to make diligent inquiry as to scholarship, character, and energy on the part of candidates; it is suggested that a competitive examination in such elementary subjects as English Composition, Botany, and Algebra to and including Quadratic Equations be held, to the end that the appointment may be considered an honor at home and the appointee may become a credit to the University.

7. That while appointments should not be based upon considerations of scholarship alone, yet, other things being equal, those of highest scholarship should be preferred, and in all cases a high degree of ability to take instruction and to acquire learning should be insisted upon.

8. That candidates must be at least 18 years of age in order to be eligible to appointment.

9. That the purpose of these scholarships, like that of the full course of study in the College, is twofold: To afford opportunity for technical work in agriculture and in household science and also to encourage higher scholarship in related sciences and along academic lines.

10. That, therefore, in the assignment of work to scholarship students the same general relation should be observed between technical, scientific, and academic work as is observed with students pursuing courses leading to graduation.

11. That, also, while high scholarship is not made a requisite for admission, yet the authorities of the University will make diligent inquiry as to the scholastic attainments of each scholarship student, and while consulting individual preferences as far as consistent, will however, assign to students such work in amount and character as they are able to carry with profit to themselves.

12. That all assignments made in the College of Agriculture shall be without tuition or fee of any kind except laboratory fees in certain subjects, and that all assignments in the Preparatory School shall be with a tuition fee of two dollars per subject per semester.

13. That, if, upon interview, it shall appear that the training in English of any scholarship student is deficient, that student shall be assigned to the Preparatory School, to make such deficiency good without unnecessary delay.

14. That the scholarship continue for two years and that the holders be advised that two years time will not suffice to complete University courses, and be urged to do work which will satisfy entrance requirements and then take up regular work leading to a degree and that in case the holder of the scholarship shall meet the entrance requirements within the two years the benefits of the scholarship be extended two years further.

15. That farmers' institutes and domestic science associations be requested to make no recommendation for agricultural or household science scholarships unless candidates, with the concurrence of their parents, express their purpose to enter the University at the opening of a semester and remain to its close.

16. That no person who has been a student in the University shall be eligible to one of these scholarships.

Respectfully submitted,

FRED L. HATCH,  
ALICE ASBURY ABBOTT,  
A. S. DRAFER.

The report was amended by changing the word "two" in the last line of paragraph 14 to "four", and then was adopted as amended.

The Secretary was directed to have copies of the report printed for distribution as soon as possible.

## NATURE STUDY IN PUBLIC SCHOOLS.

The Committee on Agriculture made the following report, which was adopted:

URBANA, ILL., July 6, 1901.

*To the Board of Trustees of the University of Illinois:*

Your Committee on Agriculture respectfully reports in regard to the request for nature study pamphlets and extension courses, presented through the Secretary of the State Teachers' Association, the following statement from the Director of the State Laboratory of Natural History, and recommends that the preliminary work be undertaken as soon as practical, and that the Secretary of the Board send a copy of this report the Secretary of the Illinois State Teachers' Association.

The State Laboratory of Natural History engaged under State law in a biological survey of the State is about to begin the publication of a series of educational bulletins with a view to the application of the results of this State survey to purposes of public school instruction. It is also required by law to distribute to public schools sets of specimens illustrating the natural history of the State in condition for use as the material for instruction. It has lately transferred its thoroughly equipped biographical station to Ottawa, Illinois, and established in it a conveniently accessible and excellent location for biological field work, and proposes to open this station during the summer vacations to those wishing the opportunity for practical field experience and instruction in zoölogy, botany, geology, and physiography. To this work courses in elementary nature study can be added if desired. It seems to your Committee that the extension and development of this work the State Laboratory already organized in this field will meet the rational demands of the schools in a practical and sufficient manner, and we recommend to the State Teachers' Association that this organization be made their agency for the accomplishment of the purposes expressed in their resolution. To this end it will only be necessary that additional appropriations in support of the Laboratory be obtained for these specific purpose at the next session of the State Legislature.

Respectfully submitted,

FRED L. HATCH,  
ALICE ASBURY ABBOTT,  
F. N. MCKAY,  
MARY TURNER CARRIEL.

The Committee on Buildings and Grounds made the following report, which was adopted:

URBANA, ILL., July 6, 1901.

*To the Board of Trustees of the University of Illinois.*

Your Committee on Buildings and Grounds begs leave to report that, under your instructions, it has agreed with Mr. N. S. Spencer, Superintendent of Buildings and Grounds, that he continue his duties as Superintendent until September 1, 1901, without change of pay; that he perform the service of architect and superintendent for the new chemical laboratory, and perform the service of architect and superintendent for the several new buildings now under contract, and that the University pay him in full for such services the sum of \$4,000.

Respectfully submitted,

S. A. BULLARD,  
THOMAS J. SMITH,  
ALEXANDER MCLEAN,  
A. F. NIGHTINGALE,  
MARY T. CARRIEL,

*Committee on Buildings and Grounds.*

Mr. Smith made a statement with regard to the relations of the Board with Mr. Hedges, tenant on the south farm, and advised that the Board get possession of the farm by the first of March next, paying the tenant for the release of all claims upon said farm.

Thereupon Mr. McLean moved that the farm committee agree with the tenant on the south farm to leave the same on the first of March next and pay him for so doing a satisfactory sum such as might be agreed upon, not exceeding \$500.

Mr. Hatch offered the following as a substitute:

URBANA, ILL., July 6, 1901.

*To the Board of Trustees of the University of Illinois:*

Your Committee to which was referred the matter of the leasing of the south farm begs leave to report that we can make no arrangement satisfactory to ourselves; therefore, we recommend that the tenant, Mr. Hedges, be allowed to remain another year, as this will satisfy him.

Respectfully submitted,

F. L. HATCH, Chairman.

The substitute was adopted.

Mr. McLean offered the following resolution which was adopted:

*Resolved*, That a sufficient amount of money be appropriated for the purpose of opening the tile deliveries on the farm occupied by Mr. Hedges and that the same be expended under the supervision of Mr. Hatch, Chairman of the Committee on Agriculture, and that the Committee report to the Board.

The board adjourned.

W. L. PILLSBURY,

*Secretary.*

THOMAS J. SMITH,

*President.*