

MEETING OF JULY 26, 1899.

The following call for a special meeting of the Board of Trustees of the University of Illinois was issued July 21, 1899:

The President of the Board upon the request of Messrs. Fulkerson, McKay, and Smith and Mrs. Abbott and Mrs. Carriel, issues this call for a special meeting of the Board of Trustees of the University of Illinois to be held at 9 o'clock a. m., Wednesday, July 26, 1899, in the Trustees Room, Library Building, Urbana, Ill., "to consider the report of the Committee on Agriculture relating to course of study and the appointment of new instructors; also any other business that may be duly presented."

Pursuant to this call the Board met at 9 o'clock a. m., July 26, 1899, in the Trustees' Room, Library Building, Urbana, Illinois.

The members present were Messrs. McKay, McLean, and Smith and Mrs. Flower, Mrs. Carriel, and Mrs. Abbott; those absent were Governor Tanner, Messrs. Bayliss, Bullard, Fulkerson, Hatch, and Nightingale. Vice-President Burrill was also present.

There being no quorum the Board adjourned to meet at 9 o'clock a. m., Aug. 16, 1899.

ADJOURNED SESSION, AUGUST 16, 1899.

When the Board met pursuant to adjournment the members present were Messrs. Bullard, McKay, McLean, and Smith and Mrs. Flower, Mrs. Carriel, and Mrs. Abbott; absent, Governor Tanner and Messrs. Bayliss, Fulkerson, Hatch, and Nightingale. Vice-President Burrill was also present.

COAL.

The Committee on Buildings and Grounds reported that it had received bids to furnish coal as follows:

The Junction Mining Co., Springfield Junction, Ill., 4,000 tons best pea coal, f. o. b. cars Champaign or Urbana, at \$1.10 per ton.

C. A. Besore, Urbana, Ill., 5,000 tons or less, Illinois pea coal at \$1.08 per ton.

J. A. Reeves, Champaign, Ill., 2,500 tons Carterville coal, No. 3, washed pea, delivered at Central Heating Plant, at \$1.75 per ton.

Odin Coal Co., Odin, Ill., pea coal, f. o. b. cars Urbana, at \$1.00 per ton.

Sangamon Coal Co., Springfield, Ill., 1,000 tons pea coal, f. o. b. cars Urbana or Champaign, at \$1.06 per ton.

On motion of Mr. McKay, it was voted to accept the bid of the Odin Coal Co.

AGRICULTURAL BUILDING.

The bids which had been received for the construction of the agricultural building (see page 111) were then opened in the presence of the bidders. Complete bids were received as follows:

General Contract.

Valentine Jobst & Sons, Peoria, Ill.....	\$117,193 00
E. F. Gobel Co., Chicago, Ill.....	125,339 00
O'Brien & Dungan, Chicago, Ill.....	131,778 00
Campbell Building Co., Chicago, Ill.....	136,675 00
F. H. Jahr, Champaign, Ill.....	141,547 00
The Warren Roberts Co., Chicago, Ill.....	142,850 00
Anson & Holman, LaGrange, Ill.....	145,736 00
Earnshaw & Goldie, Chicago, Ill.....	149,989 00
Jacks & Lebo, Indianapolis, Ind.....	156,716 00
D. H. Hayes Co., Chicago, Ill.....	158,793 00
William Mayor Co., Chicago, Ill.....	159,532 00

Plumbing and Drainage.

Baumgarten Bros., Chicago, Ill.....	\$11,366 00
The Warren Roberts Co., Chicago, Ill.....	11,450 00

Steam Heating.

Thomas & Smith, Chicago, Ill.....	\$14,786 00
Jacks & Lebo, Indianapolis, Ind.....	14,600 00
William A. Pope, Chicago, Ill.....	15,986 00
Kroeschell Bros. Co., Chicago, Ill.....	16,081 00
Davis Construction Co., Chicago, Ill.....	16,094 00
L. J. Mueller Furnace Co., Milwaukee, Wis.....	17,168 00
The Warren Roberts Co., Chicago, Ill.....	17,850 00

On motion of Mr. Smith, the bid of Valentine Jobst & Sons on the general contract was accepted.

Mr. McKay moved to reject the bids on plumbing and drainage and on steam heating. Mr. Smith moved to add as an amendment, "and to proceed at once to let contracts for plumbing and drainage and for steam heating on a satisfactory private bid, if one should be obtained."

This amendment failed on the following vote: Yeas, Smith; nays, Bullard, McKay, McLean, Flower, Carriel, Abbott.

Mr. Bullard then moved as a substitute that the Board accept the bid of Baumgarten Bros., of Chicago, on plumbing and drainage at \$11,396.00, provided the claim for extras as named in the bid be waived; and the bid of Thomas & Smith, of Chicago, on steam heating apparatus, \$14,786.00. The substitute prevailed.

On motion of Mr. Smith, the Board adjourned to 1:30 p. m.

SESSION OF WEDNESDAY AFTERNOON, AUG. 16, 1899.

When the Board met pursuant to adjournment the same members were present as in the morning.

The matter of boiler insurance was referred to Professor Breckenridge and the chairman of the Committee on Buildings and Grounds.

Mr. Smith moved that the requirement of the specifications that contractors should furnish surety company bonds be waived in the case of Valentine Jobst & Sons.

This motion was lost on the following vote: Yeas, Smith, Carriel, Abbott; nays, Bullard, McKay, McLean; not voting, Mrs. Flower.

On motion of Mr. McKay it was ordered that the chairman of the Board and the chairman of the Committee on Buildings and Grounds be authorized to approve bonds and to enter into contracts in accordance with the awards made above.

The Business Manager, Professor Shattuck, presented a report of the condition of the University funds.

It was voted that Mr. J. C. Llewellyn should receive for his services as architect and as superintendent of the agricultural buildings a five per cent. commission on contracts let.

On motion of Mr. Bullard it was ordered that he be paid now two per cent. on contracts let and that subsequently he be paid monthly three per cent. on the amount of monthly payments on contracts.

It was voted that the President of the Board, with Mr. Smith and Mr. Bullard and the Business Manager, Professor Shattuck, should visit the State Auditor and State Treasurer, at Springfield, with the view to having the arrears of interest on the endowment fund paid at once.

Vice-President Burrill presented the following communication:

URBANA, ILLINOIS, August 16, 1899.

To the Board of Trustees of the University of Illinois.

At your meeting of June 27, 1899, you authorized the employment of four additional officers of instruction in the College of Agriculture and three field assistants. To fill one of the former places, Professor W. D. Gibbs, of Ohio, was tendered an appointment as associate professor of soil physics at a salary of \$1,600 a year. This he declined and he has since further declined to accept an offer of \$1,800 proposed by your Committee on Agriculture.

The positions in animal husbandry and horticulture have been filled by action of your Executive Committee appointing William J. Kennedy, of Iowa, as instructor in animal husbandry and John W. Lloyd, now of New Hampshire, as instructor in horticulture, each at \$1,000 a year. The failure to secure Professor Gibbs has changed considerably the condition of matters in the department of agricultural physics. There seems to be no way left but to take for the chief assistant in this department a younger man than Professor Gibbs, with less preparation, and to make it possible for him to grow into the position contemplated. Reviewing the whole matter it has been thought best that that the work should be divided between two such younger men but that they should act also as field assistants, each in his own department.

With this in view, I recommend the appointment of Mr. Hugh E. Ward, M. S., as instructor in soil physics at a salary of \$1,000 a year, to be paid

from the funds for instruction; and Mr. A. D. Shamel, B. S., as assistant in farm crops at a salary of \$600 a year, to be paid one-half from funds for instruction and one-half from the Experiment Station funds.

It should perhaps be noted that Mr. Shamel was appointed at your last meeting as field assistant at \$45 a month. This action would of course be superseded by the above should the recommendation be adopted.

Mr. Frederick Crane was also appointed assistant in the field and machinery department at \$35 per month. For reasons apparently strenuous it is not desired to appoint Mr. Crane to a permanent place, but leave is asked to pay him \$45 a month as greater responsibilities and duties than were at first contemplated will be assigned to him in the way of giving instruction.

No nomination can yet be made for an assistant or instructor in dairying. Several men are under consideration but I am not satisfied that we have yet found the best man for the place. Further time for this is desired.

Mr. Neureuther declined the appointment offered him at your June meeting as assistant in mechanical engineering, and, upon the recommendation of Professor Breckenridge, I present the name of Dwight T. Randall, B. S., for the place, at the salary proposed, viz: \$500 for ten months.

On the recommendation of Professor Shattuck, Mr. R. L. Short is named as instructor in mathematics at \$800 for ten months, and on similar action by Professor Carman, Mr. Edward G. Gagnier is recommended as mechanician for the departments of physics and electrical engineering at \$720 for twelve months.

All these appointments to begin September 1, 1899.

I recommend that Professor Holden's title be changed to that of Professor of Agronomy.

I also recommend that the rule in regard to the admission of special students be changed so as to allow persons sixteen years of age and over to be entered in the College of Agriculture as special students. The amended rule would then read as follows:

ADMISSION OF SPECIAL STUDENTS.

"Persons over twenty-one years of age, or in the College of Agriculture over sixteen years of age, not candidates for a degree, may be admitted to classes, after satisfying the President and the professor in charge of the department in which such classes are taught, that they possess the requisite information and ability to pursue profitably, as special students, the chosen subjects. Such students are not matriculated; they pay a tuition fee of seven dollars and a half a semester, in addition to the regular incidental fee of twelve dollars."

I also present for your consideration communications from Professors Palmer and Parr, asking for small appropriations of money.

I transmit also the resignation of Professor J. E. McGilvrey.

Respectfully submitted,

T. J. BURRILL,
Vice-President.

On motion of Mr. Smith, the recommendations of the paper with regard to appointments and salaries, also with regard to the change of Professor Holden's title, and the change in the rule concerning the admission of special students, were adopted.

It was voted that the Board accept with regret the resignation of Professor McGilvrey.

On motion of Mr. Smith it was voted to appropriate \$100.00 for the purpose of making an exhibit of food products at the State Fair.

The Committee on the School of Pharmacy made the following report, which was adopted:

SCHOOL OF PHARMACY.

URBANA, ILLINOIS, Aug. 16, 1899.

To the Board of Trustees of the University of Illinois.

Your Committee on the School of Pharmacy respectfully reports that it recommends the re-election of the faculty as it now exists for the ensuing year.

The receipts of the School of Pharmacy for the twelve months ending May 1, 1899, have been as follows:

Receipts	\$11,797 43	
Expenditures (warrants).....		\$9,919 47
Balance.....		1,877 96
	\$11,797 43	\$11,797 43

Your Committee recommends that the Business Manager be requested to distribute \$1,500.00 of the surplus according to the terms heretofore made.

Your Committee also recommends that the Business Manager be authorized to re-lease for the term of one year the premises now occupied by the School of Pharmacy, upon the same terms as heretofore. That, as this new lease would begin the first of May, 1900, and as some repairs are necessary, the Business Manager be instructed to secure, if possible, at once the repairs of the skylight at the expense of the owner. Other repairs, if deemed necessary, to be made at the expense of the school, as hitherto.

Your Committee reports with pleasure that the prospect for an increase in the number of students is greater than hitherto, and to aid farther in the general popular character of the school, recommends that Dr. H. K. Rogers, now a resident of Chicago, be engaged as a lecturer on physiology, and that his salary shall be such sum as the faculty of the school may agree upon, and shall be paid from their own, but not from the University fund.

Respectfully submitted,

LUCY L. FLOWER,
ALICE ASBURY ABBOTT,
MARY T. CARRIEL,
Committee on School of Pharmacy.

The Committee on Instruction made the following report:

URBANA, ILLINOIS, Aug. 16, 1899.

To the Board of Trustees of the University of Illinois.

Your Committee recommends the adoption of the course of study in the College of Agriculture presented by Vice-President Burrill to the Executive Committee of the Board July 26th (see page 134) with the following changes:

Under the head of Agronomy substitute the following for paragraphs as numbered:

1. *Farm Mechanics.*—Farm machinery, different kinds and their inefficiency, draft, durability, cost, and care, and losses from improper management. Laying out and construction of drains and calculation of their capacity and cost. Location, internal arrangement, and design of farm buildings.

*3. *Farm Crops.*—A study of the cultivated plants of the farm, their nature and requirements; the leaf and root development, and the conditions of successful growth; vitality of seed and methods of preservation; varieties; judging by standard samples and possibilities of improvement by selection and breeding; adaptation of varieties to locality and soil; management of pasture

lands; distribution of the crops of the United States. Identification of weeds and weed seeds, and methods of destroying weeds, insects, and fungous enemies.

*4. *Soil Physics*.—Origin and Classes of Soils.—Conditions and indications of fertility. The physical and chemical constitution of soils, and the consequent effect of drainage, cultivation, cropping, and manures upon their mechanical condition, root extension, and upon their relation to the movements of water and of air, their retention of fertility, and their capacity to produce.

5. *Fertility*.—The influence of fertility, natural or applied, upon the yield of various crops; the effect of the crop upon the soil, and upon succeeding crops; different rotations, and the ultimate effect of systems of farming upon the productive capacity of soils; finally the application of all to Illinois soils and conditions.

6. *Farm Management*.—Economic bestowal of the labor of the farm, and the profitable use of machinery; plowing, methods and systems in use, and the advantages and disadvantages of each; different methods of raising and harvesting crops and the comparative efficiency and cost of each. The place of special crops, of live stock and fencing in the economy of the farm. Disposal of crops by marketing and by home consumption.

In paragraph 9, for "*M. W. F., three-fifths study*," substitute "*full study*."

Under the head of Animal Husbandry, third paragraph read *first semester, two-fifths study*.

Under Horticulture, paragraph 6, strike out "Not given," etc.

In paragraphs 9, 10, and 12 insert "No given in the year 1899-1900."

Your Committee recommends that the filling of the vacancies in the pedagogical department be deferred until the return of President Draper, who can see some of the candidates on his way west.

Respectfully submitted,

LUCY L. FLOWER,
MARY T. CARRIEL,
Committee on Instruction.

The Committee on Publication made the following report:

URBANA, ILLINOIS, Aug. 16, 1899.

To the Board of Trustees of the University of Illinois.

The Committee on Publication respectfully reports that it took four bids for the publication of the agricultural circular (see page 110). The difference between the highest and the lowest was \$100.00. The Chicago bids being too high, the secretary of the Committee came to Champaign where the lowest bid was accepted. This bid for 10,000 copies was \$260.00. The Committee had been authorized to provide expenses of mailing. The Business Manager recommended that envelopes be purchased of the same firm which printed the circular. This was done at a cost of \$15.00. An appropriation of \$200.00 had been made and your Committee asks for an increase of \$85.00 to cover the difference.

The Committee also recommends the publication of a new circular regarding the Preparatory School, as the last circular is at present out of date.

Respectfully submitted,

T. J. SMITH,
ALICE A. ABBOTT,
S. A. BULLARD,

Committee on Publication.

The report of the Committee was accepted and an additional appropriation of \$75.00 was made from the agricultural fund, as recommended. The Preparatory School circular was authorized.

Mrs. Flower moved that the Committee on Buildings and Grounds be instructed to have a maple floor laid in the hallway on the first floor of University Hall. Also that the wall of one room in the basement of the Library Building be washed, re-calcimined, and properly oiled, for the purpose of determining whether or not spots would reappear.

Action was postponed.

The Committee on Agriculture made the following report:

URBANA, ILLINOIS, Aug. 16, 1899.

To the Board of Trustees of the University of Illinois.

1. The Committee on Agriculture respectfully recommends that the departments of the College of Agriculture be known as those of Agronomy, Animal Husbandry, Dairy Husbandry, Veterinary Science, and Horticulture, and that Professor Holden be the head of the department of agronomy.

2. That the scholarships authorized in the College of Agriculture apply to special students, and that the resolution establishing these scholarships passed at the meeting of the Board June 14th (see page 109), be changed to read as follows:

Resolved, That the University receive into the College of Agriculture annually one student from each county, outside of Cook County, and one from each of the first seven congressional districts of the State, upon the recommendation of the executive committee of the Illinois Farmers' Institute; that matriculation and incidental fees be remitted to the holders of such scholarships; that the benefits of the same be good for two years; and that special students be eligible thereto; *provided*, that the persons so recommended shall not have been previously in the University and shall comply with all the conditions of admission to the College of Agriculture.

Should there be more than one candidate from a county or congressional district, one of them shall receive the scholarship of his county or district and the other or others may be assigned to vacancies which may exist in other counties or congressional districts, as is customary with state scholarships.

Special students holding scholarships may, if they so desire and are properly qualified, take one or more studies in the Preparatory School on paying each semester two dollars for each subject.

Your Committee asks to correct an error in the recommendation of June 27th in regard to the salary of Mr. Cluuton. Your Committee recommends that \$800.00 be paid from the Experiment Station fund, and that none of his salary be paid from the Agricultural fund.

Respectfully submitted,

ALICE ASBURY ABBOTT,
F. M. MCKAY,
MARY T. CARRIEL,

Committee on Agriculture.

The report of the Committee was adopted.

On motion of Mr. Smith, the several acts of the Executive Committee at its meetings of July 5 and 26, 1899, (see pages 127 to 133) were confirmed.

The Board adjourned.

ALEXANDER MCLEAN,
President.

W. L. PILLSBURY,
Secretary.