

PROCEEDINGS  
OF THE  
BOARD OF TRUSTEES  
OF THE  
UNIVERSITY OF ILLINOIS,  
FOR THE YEAR ENDING AUGUST 31, 1894.

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MEETING OF SEPTEMBER 12, 1893.

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The Board of Trustees of the University of Illinois met in the University parlor in Urbana, at 3 o'clock p. m., Tuesday, Sept. 12, 1893. There were present Messrs. Armstrong, Bullard, Graham, McKay, McLean, Morgan, Morrison, Raab, and Raymond; absent, Governor Altgeld, and Messrs. Bryant and Gore.

The minutes of the last meeting were approved.

As Mr. Pence had been, contrary to what was intended, appointed assistant professor instead of instructor, the secretary was directed to change the record of the last meeting so that it should appear that he was appointed instructor in civil engineering.

On motion of Mr. Morgan, the board went into executive session in regard to Professor Crawford.

The finance committee made the following report:

URBANA, ILL., Sept. 12, 1893.

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

GENTLEMEN: The undersigned, your finance committee, begs leave to report that at a meeting held in Chicago, August 2, 1893, at which time there was present in addition to your committee, Governor John P. Altgeld, the matter of the approval of the bond of Charles W. Spalding, treasurer-elect, was considered; and after a careful examination by the committee, and on the advice of the Governor, the securities were approved.

Afterwards, on the 3d day of August, your committee, together with Mr. N. W. Graham, Mr. S. A. Bullard, and Mr. N. B. Morrison, as executive committee, formally approved the bond as presented.

The committee will deposit the bond with the business agent, as directed by the board.

Afterwards, August 24th, your committee met with Mr. C. W. Spalding and Mr. John W. Bunn, late treasurer, who at that time handed Mr. Spalding certain bonds belonging to the endowment fund, for which Mr. Spalding gave receipts as follows:

Received, Chicago, August-24, 1893, of John W. Bunn, late treasurer of the University of Illinois, the following bonds belonging to the endowment fund of said University:

Champaign county.....	4½ per cent. bonds.....	\$50,000 00
Pike county.....	7 " " " " " " " " " "	39,000 00
Morgan county.....	4 " " " " " " " " " "	35,000 00
Kankakee county.....	5 " " " " " " " " " "	30,000 00
Jasper county.....	5 " " " " " " " " " "	15,000 00
Logan county.....	5 " " " " " " " " " "	15,000 00
Macoupin county.....	6 " " " " " " " " " "	10,300 00
Gallatin county.....	6 " " " " " " " " " "	10,000 00
Douglas county.....	6 " " " " " " " " " "	10,000 00
Crawford county.....	6 " " " " " " " " " "	10,000 00
Taylorville.....	6 " " " " " " " " " "	20,000 00
Cook county, Austin.....	5 " " " " " " " " " "	23,000 00
Champaign.....	4½ " " " " " " " " " "	18,000 00
Cass county.....	5 " " " " " " " " " "	13,000 00
Pittsfield.....	6 " " " " " " " " " "	10,500 00
Sangamon.....	5 " " " " " " " " " "	9,000 00
Urbana.....	5½ " " " " " " " " " "	9,000 00
Montgomery county.....	6 " " " " " " " " " "	9,000 00
Morgan county.....	6 " " " " " " " " " "	9,000 00
Litchfield.....	5½ " " " " " " " " " "	8,000 00
Champaign county.....	5 " " " " " " " " " "	7,850 09
Homer.....	5 " " " " " " " " " "	7,500 00
Platt county.....	6 " " " " " " " " " "	7,100 00
Sangamon county.....	5 " " " " " " " " " "	6,000 00
Mattoon.....	5 " " " " " " " " " "	6,000 00
Shelby county.....	6 " " " " " " " " " "	5,500 00
Montgomery county.....	6½ " " " " " " " " " "	3,000 00
Bond county.....	6 " " " " " " " " " "	1,900 00
Montgomery county.....	6 " " " " " " " " " "	1,500 00
Sangamon county.....	7 " " " " " " " " " "	600 00
Total.....		\$399,750 00

Amounting to three hundred and ninety-nine thousand, seven hundred and fifty dollars.

CHARLES W. SPALDING,  
*Treasurer.*

Also, at the same time and place, Mr. Bunn delivered to Charles W. Spalding funds as set forth in the following receipts:

CHICAGO, Aug. 24, 1893.

\$25,000.

Received from John W. Bunn, late treasurer of the University of Illinois, the sum of twenty-five thousand dollars to apply on account of the endowment fund of the University of Illinois.

CHAS. W. SPALDING,  
*Treasurer.*

CHICAGO, Aug. 24, 1893.

\$18,000.

Received of John W. Bunn, late treasurer of the University of Illinois, eighteen bonds of Kankakee county, Illinois, 5 per cent. interest, \$1,000 each, aggregating eighteen thousand dollars, to apply on the general fund of said University.

CHAS. W. SPALDING,  
*Treasurer.*

The foregoing closes up to date the matter of all transfer of bonds belonging to the endowment fund, together with the Kankakee bonds belonging to the general fund, as set forth in the above receipt.

The balances of other funds due from Mr. Bunn will be turned over to Mr. Spalding at this meeting of the board, when settlement will be made with the business agent of the University to ascertain the actual balance due the University. This will be a settlement in full by Mr. Bunn, our late treasurer.

The committee also begs leave to report that it submitted the form of the bond to S. M. Millard, an attorney, who gave us a written opinion of the same, declaring the bond, as accepted by your committee, to be in proper form according to the law in such cases made and provided.

Respectfully submitted,

ALEX. MCLEAN,  
J. E. ARMSTRONG, } *Finance Committee.*  
F. M. MCKAY,

A telegram was received from Governor Altgeld saying that he had missed the train at Bloomington, and asking whether or not the board would be in session the next day. The secretary was directed to answer that the board would not be in session the afternoon of the next day.

The report of the finance committee was adopted, on motion of Mr. Raab.

The finance committee made the following report:

UNIVERSITY OF ILLINOIS, URBANA, Sept. 12, 1893.

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

GENTLEMEN: Your finance committee would report that it has examined warrants No. 1 to 287, inclusive, pertaining to the Experiment Station, dated from July 1, 1892, to June 30, 1893, and amounting to \$15,070, and has found the same correct and duly canceled.

The committee has also examined the warrants issued on university account, numbered 676 to 1,275, inclusive, and dated from March 1 to July 31, 1893, and has found the same correct and duly canceled, except No. 1,102 and 1,252, which have not yet been presented for payment.

Respectfully submitted,

ALEXANDER MCLEAN,  
F. M. MCKAY,  
J. E. ARMSTRONG, } *Finance Committee.*

The report was adopted on motion of Mr. Raab.

#### REGENT'S REPORT.

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

GENTLEMEN: We are just now in the active operations of the opening of a new collegiate year under, for the most part, very favorable circumstances. It is too early to estimate closely the comparative attendance of the last with the new year, but the indications are that our numbers will be at least as great for the coming as for the last one, notwithstanding the serious condition of general financial affairs. Up to noon of the second day last year there were 139 applications for admittance. At noon today there had been received 159 such applications.

#### CORPS OF INSTRUCTORS.

The teaching force has been largely increased. Upon the list of instructors in the daily program of studies for the fall term of 1892 there were 36 names; there are 48 in the list as now published—an increase of one-third. In this list 16 names are new ones. The annual salary account for instruction upon the basis of the 1st of last June was

\$61,445; the amount for the present year, as the pay roll now stands, will be \$76,080—an addition of \$14,635. Of this increase \$400 is to two professors, \$300 to one assistant professor, and \$3,150 to former instructors and assistants, or \$3,850 additional pay to former members of the corps of instruction, leaving \$10,785 to go to persons newly employed, without counting those who at the same salary take the places vacated by others. What may be termed new departments have been formed in philosophy, in economics and social science, in physiology, and in physical culture for women, while pedagogics has been separated and given a distinct head. Of the new teachers, two have been given the title of professor, and the others are ranked as assistant professors, instructors and assistants. Last year two fellowships were filled; there are three now. A principal has been appointed for the preparatory school.

#### REGISTRAR.

The duties connected with the admission of persons desiring entrance to the University and with the term registration and records of students, heretofore devolving upon the regent, have been transferred to a newly appointed registrar and an office room has been provided for the purpose, as may be learned from the report of your executive committee. Mr. W. L. Pillsbury has been placed in this office, and these duties are to form a part of the already responsible matters entrusted to his charge. He has entered upon the work under the difficulties attendant upon any newly inaugurated business, with the added obstacle of having at this particular time many other things to which his attention is demanded. But the administration of the new office is successful from the start, and great relief is felt by myself as acting regent in the trying opening days of the term. Similar experience in some measure is anticipated throughout the year.

All this indicates activity and growth. I am sure that most of the members of the enlarged corps of instruction will find an abundance of demand upon their time and strength in the discharge of their regular duties, though it may prove that there will be but few students in some of the new courses. The elective system now so largely introduced will, however, give opportunity to students to adjust themselves soon to newer and richer offerings by the University, and this will lead, it may be hoped, to better scholarship and merited renown, while the administration of affairs must be greatly improved.

#### REPAIRS AND IMPROVEMENTS.

The material equipments and improvements of the University added since your last regular meeting are very evident to you all. Much attention has been given to the better fitting of the buildings for the work in hand. Repairs have been made where needed, many rooms have been newly painted and calcimined, blackboards have been renewed, much new furniture has been provided, the public offices have been remodeled, and separate quarters have been established for the preparatory school. A very much needed and highly appreciated improvement has been made in the construction of cement walks from the main entrance ways to the chief buildings.

The city authorities of Urbana have been consulted again about a walk on Green street, and, while nothing has been done about it, members of the city council express themselves ready to vote for the improvement as soon as it seems possible to provide for the expense. The proposition is made to put down this walk at once if the University will furnish the brick. It seems to me this proposal might now be accepted in regard to a walk on the west side of Mathews avenue from Green street to the east door of Natural History Hall. This distance is 220 feet and the cost would be about \$50.00 for a walk six feet wide.

Some further needs for repairs, etc., on the buildings will, I presume, be presented by your committee on buildings and grounds.

MEMBERSHIP OF THE FACULTY.

The matter of the membership of the faculty has been duly considered by the executive committee thereof, and I am authorized to embody the results here. The original state law—the only law bearing upon this subject—reads thus: “The faculty of the university shall consist of the chief instructors in each of the departments.” [Act of the General Assembly, approved January 25, 1867, section 10.] Without defining the term, the committee recommends the constitution for this purpose of the following departments, together with the assignments mentioned of those deemed chief instructors in each:

Departments.	Representatives.
Botany.....	{ Professor Burrill.
Mathematics.....	{ Professor Shattuck.
	{ Assistant Professor Myers.
	{ Assistant Professor Townsend.
German.....	{ Professor Snyder.
	{ Assistant Professor Cooley.
Architecture.....	{ Professor Ricker.
	{ Assistant Professor White.
History.....	Professor Morrow.
Agriculture.....	Professor Baker.
Civil engineering.....	{ Professor Forbes.
Zoölogy.....	{ Assistant Professor Summers.
Geology.....	Professor Rolfe.
Veterinary science.....	Professor McIntosh.
Municipal engineering.....	Professor Talbot.
Chemistry.....	{ Professor Palmer.
	{ Professor Parr.
Art and design.....	Professor Frederick.
Military science.....	Professor Hills.
Romance languages.....	Assistant Professor Bruner.
Latin.....	Professor Barton.
Greek.....	Professor Moss.
Mechanical engineering.....	{ Professor Breckenridge.
	{ Assistant Professor VanDervoort.
English.....	{ Professor Dodge.
Physics and electrical engineering.....	{ Assistant Professor Merrill.
Psychology.....	{ Assistant Professor Shea.
	{ Assistant Professor Krohn.
Physical culture.....	{ Mr. Hall.
	{ Miss Kellogg.
Pedagogics.....	Professor McMurry.
Economics and social science.....	Assistant Professor Kinley.
Philosophy.....	Mr. Daniels.

Mr. Howe, principal of the preparatory school, to be invited to sit with the faculty.

According to your request for suggestions from the regent and deans of the faculty, in regard to the distribution of some \$15,000, supposed to be available for equipments, the subject was duly considered; but on learning from the business agent that over two-thirds of this fund had been already expended by your orders, no definite report was agreed upon. From the best information attainable, when the committee last met, the following general sums were deemed essential for the several colleges:

Agriculture.....	\$225 00
Engineering.....	5,495 00
Science.....	3,210 00
Literature.....	500 00
	<hr/>
	\$9,430 00

But there were departments that could not be heard from at the time, and these figures are not to be taken as indicating the relative needs of the colleges. Other requests have been presented, some of which seem urgent. The requests now in my hands from the various departments, for transmittal to you, may be summarized as follows:

College of engineering.....	\$170 00
Mechanical engineering.....	3,237 00
Physical and electrical engineering.....	3,500 00
Civil engineering.....	2,750 00
Testing laboratory.....	6,075 00
Architecture.....	1,000 00
Chemistry.....	1,100 00
Zoölogy.....	1,841 00
Geology.....	740 00
Physiology.....	150 00
College of literature.....	500 00
Physical culture for women.....	210 00
Music (piano).....	300 00
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	\$21,573 00

Besides this Professor Shea desires permission to employ a storekeeper for the physical laboratory at \$25 a month.

The documents themselves are herewith submitted for your further information as to the purposes and necessities of the indicated expenditures. I shall be glad to add anything I can to this information.

I transmit herewith the report of Professor Morrow, from the college of agriculture, with which is the usual report of farm operations.

I transmit also the report of the director of the Agricultural Experiment Station, Professor Morrow:

#### UNIVERSITY FARM AND COLLEGE OF AGRICULTURE.

UNIVERSITY OF ILLINOIS, Sept. 12, 1893.

*Dr. T. J. Burrill, Acting Regent.*

DEAR SIR: I have the honor to present the following brief statement from the agricultural department, for the three months past:

The receipts from the farm have been.....	\$1,004 18
The farm expenses have been.....	304 83

Balance to credit of farms. ....	\$699 35
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During the past three months, this region has had one of the most severe and protracted drouths ever known. This has modified plans, and has made sales of live stock more than usually difficult, added, as it has been, to the general financial depression. In view of the circumstances the farm animals are in good condition, and the corn promises a larger yield than could have been expected.

Without here giving any arguments in favor of the course proposed, I respectfully ask approval by the trustees of the holding, by the college of agriculture and the Agricultural Experiment Station, of two short "schools" or extended institutes, each to continue one or two weeks; one to be held in northern Illinois, and to be mainly devoted to dairy interests; the other to be held in southern Illinois, and to be largely devoted to horticultural interests. The coöperation of the State Dairymen's Association to be invited for the first, and that of the State and Southern Illinois Horticultural societies to be asked for the second. I ask also that a sum, not exceeing \$250, may be appropriated for the payment of necessary expenses of these meetings. The Experiment Station board has expressed its approval and willingness to coöperate in the conduct of the meetings.

I respectfully ask that a delegate be appointed to represent the University at the annual meeting of the Association of American Agricultural Colleges and Experiment Stations, to be held at Chicago, commencing Tuesday, October 17th.

Respectfully submitted,

G. E. MORROW,  
*Professor of Agriculture.*

## AGRICULTURAL EXPERIMENT STATION.

UNIVERSITY OF ILLINOIS, September 9, 1893.

*Dr. T. J. Burrill, Acting Regent.*

DEAR SIR: I present the following report of the Agricultural Experiment Station:

Paper A is a list of warrants drawn, No. 210 to 287, inclusive, for the quarter ending June 30, 1893, and is accompanied with vouchers for the same, for audit.

Paper B is a statement of expenditures for the quarter ending June 30, 1893.

Paper C is a statement of expenditures for the year ending June 30, 1893.

Paper D is a statement of appropriations, expenditures and balances for the quarter ending September 30, 1893.

Paper E. is a statement of appropriations asked for this and the next quarters.

The board of direction asks that the trustees appropriate funds according to the estimates in Paper E, for the use of the Station.

## PAPER B—STATEMENT OF EXPENDITURES FOR QUARTER ENDING JUNE 30, 1893.

Books and publications.....	\$371 85
Botanical apparatus and supplies.....	8 70
Bulletins.....	670 20
Chemical apparatus and supplies.....	118 67
Fuel and lights.....	65 20
Furniture.....	10 75
Incidentals.....	12 60
Printing, stationery, and postage.....	210 27
Salaries.....	1,576 65
Seeds and trees.....	86 79
Tools and supplies.....	127 15
Wages and teams.....	1,187 38
Sundry experiments—	
Beet, wheat and clover experiments.....	31 72
Dairying experiments.....	10 65
Nitrogen experiments.....	37 50
Columbian Exposition work.....	6 15
Total.....	\$4,427 23

## PAPER C—STATEMENT OF RECEIPTS AND EXPENDITURES FOR THE YEAR ENDING JUNE 30, 1893.

RECEIPTS.	
Appropriated by Congress.....	\$15,000 00
From State Board of Agriculture, for analyses of fertilizers.....	70 00
Total.....	\$15,070 00
EXPENDITURES.	
Board expenses.....	\$41 77
Books and publications.....	721 48
Botanical apparatus and supplies.....	65 33
Bulletins and report.....	1,325 64
Chemical apparatus and supplies.....	363 49
Fuel and lights.....	269 44
Furniture.....	10 75
Incidentals.....	50 15
Meteorological apparatus.....	12 15
Printing, stationery, and postage.....	263 00
Salaries.....	7,489 98
Seeds and trees.....	97 48
Tools and supplies.....	194 28
Wages and teams.....	3,962 85
Sundry experiments—	
Beet, wheat, and clover experiments.....	55 17
Dairying experiments.....	84 68
Nitrogen experiments.....	37 50
Columbian Exposition work.....	24 86
Total.....	\$15,070 00

## PAPER D—STATEMENT FOR QUARTER ENDING SEPTEMBER 30, 1893.

	Appropriated.	Expended.	Balances.
Buildings and repairs.....	\$25 00		\$25 00
Board expenses.....	40 00		40 00
Books and publications.....	50 00		50 00
Botanical apparatus.....	60 00		60 00
Bulletins.....	200 00		200 00
Chemical apparatus.....	170 00		170 00
Fuel and lights.....	60 00		60 00
Furniture and fittings.....	15 00		15 00
Incidentals.....	25 00	\$8 39	16 61
Meteorological apparatus.....		7 25	
Printing, stationery, and postage.....	25 00	3 13	21 87
Salaries.....	1,950 00	1,066 64	883 36
Seeds and trees.....	10 00		10 00
Tools and supplies.....	25 00	14 00	11 00
Wages and teams.....	1,150 00	537 75	612 25
Sundry experiments—			
Clover and wheat experiments.....	60 00		60 00
Dairying experiments.....	50 00		50 00
Columbian Exposition work.....	50 00		50 00
Nitrogen experiments.....	112 50	112 50	
Total.....	\$4,077 50	\$1,749 66	\$2,315 34

## PAPER E—ESTIMATES.

<i>For Quarter Ending Sept. 30, 1893.</i>		
Meteorological apparatus.....		\$20 00
<i>For Quarter Ending Dec. 31, 1893.</i>		
Buildings and repairs.....		25 00
Board expenses.....		40 00
Books and periodicals.....		250 00
Botanical apparatus.....		60 00
Bulletins.....		350 00
Chemical apparatus.....		175 00
Fertilizers.....		75 00
Fuel and lights.....		110 00
Incidentals.....		25 00
Printing, stationery, and postage.....		25 00
Salaries.....		1,985 00
Seeds and trees.....		20 00
Tools and supplies.....		25 00
Wages and teams.....		800 00
Sundry experiments—		
Dairying experiments.....		100 00
Wheat and other experiments.....		50 00
Nitrogen experiments.....		75 00
Drainage.....		200 00
Dairying and horticultural schools.....		250 00
Total.....		\$4,660 00

The board also asks that Paper C be passed upon by the trustees in order that it may be used as the basis of the financial report which by law must be made for the year ending June 30, 1893, to the Governor of the State, and to the secretary of the treasury of the United States.

The board of direction has appointed Mr. E. H. Farrington a delegate to the convention of the Association of American Agricultural Colleges and Experiment Stations, to be held in Chicago, October 17th next.

Mr. E. K. Nelson has resigned his position as assistant chemist of the station, and his resignation has been accepted. The position has been filled by the appointment, for the remainder of the year, of Mr. W. A. Powers, who will enter upon his duties October 1, 1893, and will receive a salary of \$60 a month.

The policy which the trustees have decided to pursue with regard to the university farms makes it necessary that the relations between the University and the Station be readjusted.



The board of direction asks that the trustees of the University turn over to the Station, for use in its work, the whole of what is known as the "experiment farm," the Station to pay all expenses of its management, and to have the proceeds from sales of its products after the experiment purposes in their production or use have been completed; the sum secured by the sale of either animal or vegetable products to be expended, first in keeping the farm in good condition, making necessary repairs, or making minor improvements, and second in experiment work.

The board of direction also asks that the trustees turn over to the Station, for use in the work of the Station, the following named animals, farm implements, etc., now belonging to the University:

One gray mare—Bird. One bay gelding, four years old—Harry. One bay gelding, three years old—Sam. Two two-year-old draft colts—John and Barney. Two one-year-old draft colts—Bay and Black. Two suckling draft colts—a gray roan and a black. Two Shorthorn cows. Two Hereford cows. Two Holstein-Friesian cows. Two Jersey cows. Ten yearling steers. Ten steer calves. Twelve pigs. Two farm wagons. Three sets harness. One set light harness. One plow—New Deal. Three corn cultivators. One harrow. Two disk harrows or cultivators. One roller. One mower. One hay rake. One tread power. One feed cutter and carrier. The hay, straw, and grain in the experiment farm barn.

The board of direction expresses to the trustees of the University its willingness to unite with the college of agriculture in holding during November and December two agricultural schools, each to continue one or two weeks—one in the northern part of the State, to be devoted largely to stock and dairy interests; the other in the southern part of the State, to be devoted chiefly to horticultural interests.

In the estimates presented in Paper E above, is included an amount of \$250 to be used in defraying the necessary expenses of such members of the station staff as may attend these schools to give instruction, if such is held.

Respectfully submitted,

G. E. MORROW,

*President of the Board of Direction.*

The recommendations of both these reports meet my approval, and I ask for them your careful consideration.

Respectfully submitted,

T. J. BURRILL,

*Acting Regent.*

Mr. Raab moved a reference of the report to the several committees whose duty it was to consider the matters presented, and the motion was approved.

The finance committee made the following report, which was approved:

URBANA, ILL., September 12, 1893.

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

GENTLEMEN:—Your finance committee recommends the payment of the following bill:

University of Illinois,

To S. M. Millard,

Dr.

Aug. 2, 1893.

To consultation with committee as to bond of treasurer and examining bond, and written opinion; also giving direction as to form of new bond and examining and approving same..... \$100 00

Respectfully submitted,

ALEX. MCLEAN,  
F. M. MCKAY,  
J. E. ARMSTRONG, } *Finance Committee.*

The board then adjourned to meet in executive session at 9 o'clock p. m.

After the executive session, the board adjourned to meet at 8 o'clock a. m., Wednesday.

### SESSION OF WEDNESDAY MORNING.

The same members were present, when the board met pursuant to adjournment, as on Tuesday.

The treasurer's report was presented.

#### TREASURER'S REPORT.

CHICAGO, ILL., Sept. 11, 1893.

CHAS. W. SPALDING, TREASURER, IN ACCOUNT WITH THE UNIVERSITY OF ILLINOIS.

<i>Dr.</i>		
Aug. 5, 1893, to amount received from the state treasury on account of the following appropriations:		
<i>Appropriations to the University of Illinois—</i>		
For the payment of salaries, for additions to the library, museum and cabinets, for school apparatus, for material for the laboratories, for furniture, and for current repairs on buildings, the sum of.....		\$60,000 00
For the erection of an engineering building, the sum of.....		80,000 00
For furnishing Natural History Hall and the completion of the heating apparatus in the same, the sum of.....		6,000 00
For enlarging the boiler house and coal rooms at the central heating plant, and the purchase of two new boilers and setting the same, the sum of.....		6,500 00
<i>State Laboratory of Natural History—</i>		
For the field work and the office and incidental expenses, the sum of.....		1,500 00
For the improvement of the library, the sum of.....		1,000 00
For salaries and assistance, the sum of.....		3,500 00
For the publication of bulletins, the sum of.....		500 00
For the illustration of the biennial report of the state entomologist, the sum of.....		250 00
For colored drawings of the fishes of Illinois in illustration of the 3rd volume of the Natural History Survey of the State, the sum of.....		600 00
Amount received into the state treasury from the treasurer of the United States, the sum of.....		19,000 00
Aug. 23, '93, To amount received from John W. Bunn on endowment fund.....		\$178,850 00
" " " " amount received from assistant treasurer U. S. on Experiment Station fund.....		25,000 00
Sept. 1, '93, " " amount received from John W. Bunn on general fund.....		3,750 00
		5,000 00
		2,610 95
Interest on endowment fund to date, from Aug. 24, 1893, @ 4 per cent.....		47 22
Interest on all other funds to date, from Aug. 5, 1893, @ 2½ per cent.....		452 95
		<u>\$215,711 12</u>
<i>Cr.</i>		
Sept. 11, '93, By amount paid on account board expense.....	\$208 29	
" " " " salaries.....	3,461 98	
" " " " buildings and grounds.....	18 00	
" " " " stationery and printing.....	116 72	
" " " " mechanical department.....	21 23	
" " " " architectural department.....	251 20	
" " " " agricultural department.....	86 70	
" " " " military department.....	18 60	
" " " " laboratories.....	45 00	
" " " " incidental expenses.....	6 00	
" " " " heating.....	\$23 36	\$4,233 84
" " " " salaries on account of World's Fair.....	170 00	
Sept. 11, '93, By amount paid on account flowers.....	15 00	
" " " " furniture and fixture.....	46 56	
		<u>254 92</u>

*Treasurer's Report—Continued.*

<i>State Appropriations—</i>					
Sept. 11, '93,	By amount paid	on account	buildings and grounds.....	\$566 45	
"	"	"	State Lab. of Nat'l Hist'y.....	571 96	
"	"	"	Engineering Hall.....	1,100 90	
"	"	"	United States fund.....		\$2,230 41
"	"	"	Experiment Station fund.....		181 02
"	"	"	Exp. Station to W. L. Pillsbury..		1,386 69
					471 30
					\$8,766 18
Balances:	General fund.....			\$9,111 12	
	State appropriations.....			151,651 53	
	United States funds.....			18,818 98	
	Experiment Station funds.....			2,363 31	
	Endowment fund.....			26,000 00	\$206,944 94
					\$215,711 12

CHARLES W. SPAULDING, *Treasurer.*

On motion of Mr. McLean, the report was filed for record.

## APPOINTMENT OF INSTRUCTION.

The committee on instruction reported as to the appointments it had made as follows, and the report of the committee was approved.

URBANA, ILL., Sept. 13, 1893.

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

GENTLEMEN: Your committee on instruction, acting under authority given by the board, has made the following appointments:

Lester Paige Breckenridge, Ph.B., professor of mechanical engineering.....	\$2,000 00
For supervision of heating plant.....	250 00
William H. VanDervoort, M.E., assistant professor in mechanical engineering.....	1,500 00
Edgar J. Townsend, Ph.M., assistant professor of mathematics.....	1,400 00
James David Phillips, B.S., assistant in general engineering drawing.....	750 00
Charles Alexander Gunn, B.S., assistant in architecture.....	750 00
Alfred Holmes White, B.A., assistant in chemistry.....	750 00
Frederic William Richart, B.S., assistant in testing laboratory.....	700 00
William Esty, M.A., S.B., instructor in electrical engineering.....	1,000 00
Albert Root Curtiss, assistant in shops.....	750 00
Anita Margaret Kellogg, B.E., instructor in elocution, and physical culture for women.....	1,000 00
Arthur H. Daniels, Ph.D., instructor in philosophy.....	1,000 00
Nathan Austin Weston, B.L., assistant in preparatory school.....	750 00
Bernard Victor Swenson, B.S., assistant in physics.....	750 00
Clara Maude Kimball, instructor in music.....	300 00
H. E. Reeves, assistant in military.....	100 00

Respectfully submitted,

F. M. McKAY,  
HENRY RAAB,  
J. E. ARMSTRONG, } *Committee on Instruction.*

The finance committee made the following report, which was approved:

URBANA, ILL., Sept. 13, 1893.

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

GENTLEMEN: Your finance committee reports that it has examined the warrants numbered from 1 to 287, inclusive, paid by the treasurer during the year ending June 30, 1893, from the funds of the Agricultural Experiment Station, and has found their amount to be \$15,070, and that they have been properly cancelled.

The committee has also examined the vouchers, numbered from 210 to 282, inclusive, for the expenses of the station for the quarter ending June 30, 1893, and has found them correct and duly receipted.

The committee has examined the financial statement of the board of direction of the Experiment Station, showing its expenditures for the year ending June 30, 1893, to be \$15,070, and approves the same as correct.

Respectfully submitted,

ALEXANDER MCLEAN, }  
F. M. MCKAY, } *Finance Committee.*  
J. E. ARMSTRONG, }

The committee on instruction made the following report, which was approved :

URBANA, ILL., September 13, 1893.

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

GENTLEMEN:—Your committee on instruction, after consultation with the regent and the deans of the several colleges, begs leave to report the constitution of the faculty as follows :

The faculty shall be composed of the professors and assistant professors, and the heads of the departments.

Respectfully submitted,

F. M. MCKAY, }  
HENRY RAAB, } *Committee on Instruction.*  
J. E. ARMSTRONG, }

On motion of Mr. McKay, Mr. Raab, Mr. Armstrong, and the secretary were appointed a committee to look after receiving from the Illinois Board of World's Fair Commissioners such collections and other material as were to come to the University in accordance with the joint resolution of the General Assembly, passed June 7-15, 1893.

The finance committee made the following report, which was approved :

URBANA, ILL., September 13, 1893.

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

GENTLEMEN:—Your finance committee recommends that the following appropriations be made from the funds of the State Laboratory of Natural History for the six months ending Dec. 31, 1893 :

For the improvement of the library.....	\$1,000 00
For salaries and assistants.....	1,750 00
For the publication of bulletins.....	500 00
For illustration of the report of the state entomologist.....	250 00
For drawings of fishes.....	600 00

Respectfully submitted,

ALEX. MCLEAN, }  
F. M. MCKAY, } *Finance Committee.*  
J. E. ARMSTRONG, }

The executive committee made the following report :

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

GENTLEMEN:—Your executive committee, at a meeting held Aug. 16, 1893, Messrs. Graham and Bullard being present, transacted the following business :

From current funds \$500 was appropriated for board expenses.

From state appropriation for engineering hall \$100 was appropriated to meet expenses of advertisement for competitive designs and for bids from contractors.

For the purpose of making desired changes in the regent's office and the room west of it, so that they may be suitably fitted up for the use of the regent, the registrar, and the business agent, and for furnishing same; also for fitting up and furnishing rooms for the preparatory school in the basement of the west wing of University Hall, and for additional furniture needed in other class rooms the sum of \$1,300 was appropriated from current funds.

The committee also voted to establish the office of registrar.

The duties of the registrar shall be as follows:

1. The registrar shall have an office at the University and shall live in its vicinity. He shall keep his office open at such stated hours as his business may require.

2. It shall be the duty of the registrar to arrange for the examination of persons wishing to enter the University and to register those found qualified.

He shall have charge of registration of students of the University, shall keep all records of the attendance and standings of students, shall make out and sign matriculation papers and dismission papers, and all other papers and reports required in the proper discharge of the duties of his office, and shall prepare for signature the diplomas conferred by the University.

He shall conduct the general correspondence with persons desiring to enter the University, or making inquiries as to admission and other similar matters. He shall also conduct the correspondence and keep the records concerning the accredited schools and honorary scholarships and accredited school scholarships and shall arrange for examinations as the rules concerning these scholarships may require.

W. L. Pillsbury was elected registrar, his term of service to begin Sept. 1, 1893.

The registrar was authorized to employ a clerk for his office at not to exceed \$45 a month.

A sum not exceeding \$300 from current funds was appropriated for fitting up a ladies' reception room in University Hall.

Respectfully submitted,

NELSON W. GRAHAM, }  
SAMUEL A. BULLARD, } *Executive Committee.*

The action taken by the executive committee was confirmed.

To carry into effect the action of the executive committee in the appointment of a registrar, it was voted to amend the by-laws of the board as follows:

Amend section 1, article 4, by striking out the word "and" before the words "recording secretary" and inserting after them the words "and a registrar."

Amend section 2, article 5, by striking out before the words "recording secretary" the word "and" and insert after them the words "and a registrar."

Insert after article 8 as article 8a the paragraphs in the foregoing report of the executive committee, which define the duties of the registrar.

On motion of Mr. Raab, the regent and the secretary were directed to make such changes in the "Rules for the Government of Students" as this appointment of a registrar makes necessary.

The secretary was directed to publish a new edition of the rules containing these changes and other changes heretofore made therein by the board of trustees.

It was moved to add \$500.00 to the salary of the secretary on account of the increase in his duties. An amendment was offered by Mr. Morrison, that the salary remain as at present, and the amendment prevailed.

On motion of Mr. McLean, it was made the duty of Professor Breckenridge to see that the machine borrowed from the Garvin Machine Co., of New York city, and the three machines borrowed from the Lodge & Davis Machine Tool Co., of Cincinnati, be returned to those corporations in good condition, at the expense of the University, as soon as the World's Columbian Exposition shall be closed.

The finance committee made the two following reports, which were received for record:

URBANA, ILL., September 13, 1893.

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

GENTLEMEN: Your finance committee presents the following receipt for the bond of the treasurer:

URBANA, ILL., September 12, 1893.

Received from Mr. Alex. McLean, chairman of the finance committee of the University of Illinois, the bond of Chas. W. Spalding, treasurer of the University of Illinois, for six hundred thousand dollars (\$600,000.00), for safe keeping.

S. W. SHATTUCK, *Business Agent.*

We desire that the receipt be made a matter of record, and that it be filed with the secretary of this board.

Respectfully submitted,

ALEXANDER MCLEAN, { *Finance Committee.*  
F. M. MCKAY,

URBANA, ILL., September 13, 1893.

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

GENTLEMEN: Your finance committee presents the following report, prepared by the business agent, showing the sources of the University's endowment fund as the same exists to-day in bonds and cash:

UNIVERSITY OF ILLINOIS, September 12, 1893.

Amount received before sale of land.....	\$319,178 87
Received from sales of Nebraska lands, as per accompanying statement.....	98,352 24
Received from sales of Minnesota lands, as per accompanying statement.....	16,596 39
Total amount of endowment fund.....	\$434,127 50

S. W. SHATTUCK,  
*Business Agent.*

## STATEMENT OF COLLECTIONS OF PRINCIPAL TO AUGUST 31, 1893, ON NEBRASKA LAND CONTRACTS.

Contract number.	Amount received.	Contract number.	Amount received.
1.....	\$2,408 00	33.....	\$2,240 00
2.....	2,242 98	34.....	1,800 00
3.....	2,448 00	35.....	1,400 00
4.....	2,350 85	36.....	500 00
5.....	1,725 00	37.....	800 00
6.....	2,000 00	38.....	1,200 00
7.....	2,000 00	39.....	1,700 00
8.....	2,240 00	40.....	800 00
9.....	2,400 00	41.....	1,150 00
10.....	2,100 00	42.....	1,000 00
11.....	2,000 00	43.....	1,120 00
12.....	2,000 00	44.....	1,120 00
13.....	2,000 00	45.....	518 70
14.....	2,000 00	46.....	400 00
15.....	2,296 65	47.....	1,560 00
16.....	1,600 00	48.....	2,240 00
17.....	2,000 00	49.....	2,240 00
18.....	1,600 00	50.....	2,000 00
19.....	2,400 00	51.....	2,000 00
20.....	600 00	52.....	2,000 00
21.....	2,000 00	53.....	1,300 00
22.....	2,000 00	54.....	531 44
23.....	500 00	55.....	1,600 00
24.....	2,240 00	56.....	2,000 00
25.....	1,640 00	57.....	1,500 00
26.....	1,895 88	58.....	466 50
27.....	2,000 00	59.....	880 00
28.....	2,000 00	60.....	880 00
29.....	1,600 00	61.....	548 88
30.....	2,000 00	62.....	554 86
31.....	1,500 00		
32.....	514 50	Total .....	\$98,352 24

## STATEMENT OF COLLECTIONS OF PRINCIPAL TO AUGUST 31, 1893, ON MINNESOTA LAND CONTRACTS.

Contract number.	Amount received.	Contract number.	Amount received.
63.....	\$154 25	91.....	\$300 00
64.....	400 00	92.....	350 00
65.....	400 00	93.....	375 00
66.....	400 00	94.....	275 00
67.....	1,200 20	95.....	324 40
68.....	387 57	96.....	100 00
69.....	70 00	97.....	250 00
70.....	280 00	98.....	250 00
71.....	170 00	99.....	270 38
72.....	510 00	100.....	125 00
73.....	400 00	101.....	180 00
74.....	70 00	102.....	99 00
75.....	400 00	103.....	125 00
76.....	400 00	104.....	119 63
77.....	1,000 00	105.....	70 14
78.....	1,000 00	106.....	350 00
79.....	520 00	107.....	360 00
80.....	520 00	108.....	526 25
81.....	253 73	109.....	100 00
82.....	100 00	110.....	151 63
83.....	189 70	111.....	80 00
84.....	100 00	112.....	125 00
85.....	100 00	113.....	125 00
86.....	110 00	114.....	360 00
87.....	500 00	115.....	54 86
88.....	490 25	Sale to railway company .....	174 60
89.....	440 00		
90.....	500 00	Total .....	\$16,596 39

As further payments are made on those land contracts which have not been closed out they will be reported to the board.

Respectfully submitted,

ALEX. McLEAN, }  
F. M. MCKAY, } *Finance Committee.*

On motion of Mr. Morrison it was voted that the finance committee take, in its discretion, all necessary means to ascertain the exact balances of the several funds belonging to the University and report the same to this board at its next meeting.

The executive committee made the following report:

URBANA, ILL., September 12, 1893.

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

GENTLEMEN: We, the members of the executive committee, report that we examined into certain matters concerning Professor James D. Crawford, and after thoroughly satisfying ourselves, sent to him the following notice:

CHAMPAIGN, August 15, 1893.

*Professor James D. Crawford,*

DEAR SIR: The executive committee of the board of trustees of the University of Illinois deems it inadvisable to continue your services as professor in that institution. Your salary will be paid until the 1st of September next.

Yours very truly,

N. W. GRAHAM,  
S. A. BULLARD,  
N. B. MORRISON.

We ask the approval of the board upon our actions.

Respectfully submitted,

N. W. GRAHAM, }  
S. A. BULLARD, } *Executive Committee.*  
N. B. MORRISON, }

On motion of Mr. Morgan, the action of the executive committee was approved.

Mr. Bunn, the outgoing treasurer, made the following report, which was received and referred to the finance committee:

JOHN W. BUNN'S REPORT.

JOHN W. BUNN, TREASURER, IN ACCOUNT WITH THE UNIVERSITY OF ILLINOIS.

1893.		Dr.	
June	6	To balance.....	\$10,959 93
"	15	To interest on Morgan county bonds.....	\$1,400 00
"	15	Urbana school bonds.....	550 00
"	15	Montgomery school bonds.....	600 00
"	15	Homer school bonds.....	375 00
"	15	Champaign county school bonds.....	182 50
"	23	land contract No. 39, J. E. Blinkenstaff.....	750 00
July	1	Champaign county bonds.....	\$2,700 00
"	1	Pike county bonds.....	2,730 00
"	1	Logan county bonds.....	300 00
"	1	Macoupin county bonds.....	618 00
"	1	Gallatin county bonds.....	300 00
"	1	Sangamon county bonds.....	100 00
"	1	Pittsfield school bonds.....	630 00
"	1	Sangamon county school bonds.....	250 00
"	1	Montgomery county school bonds.....	195 00
"	1	Champaign county school bonds.....	160 00
"	1	Champaign county school bonds.....	50 00
"	1	Christian county school bonds.....	60 00
"	1	Kankakee county bonds.....	1,500 00
			\$10,043 00



*Treasurer's Report—Continued.*

July	1	To interest on Kankakee county bonds.....		\$900 00
"	11	" Sangamon schools bonds.....		250 00
August	1	" Champaign school bonds.....	630 00	
"	1	" Morgan county school bonds.....	600 00	
"	19	" Mattoon school bonds.....	150 00	
"	19	" Litchfield school bonds.....	440 00	
"	31	" Taylorville school bonds.....	1,200 00	
"	31	" Endowment fund.....		3,020 00
				1,055 00
				\$29,376 43
1893.		<i>Cr.</i>		
July	31	By amount paid board expenses.....	\$850 90	
"	31	" salaries.....	10,047 02	
"	31	" on account buildings and grounds.....	25 62	
"	31	" fuel and lights.....	227 60	
"	31	" stationery and printing.....	531 25	
"	31	" preparatory year.....	233 33	
"	31	" Minnesota lands.....	99 16	
"	31	" mechanical department.....	94 44	
"	31	" architectural department.....	483 08	
"	31	" agricultural department.....	154 99	
"	31	" horticultural department.....	27 32	
"	31	" military department.....	31 28	
"	31	" laboratories.....	110 65	
"	31	" library and apparatus.....	7 30	
"	31	" incidentals.....	114 97	
"	31	" water supply.....	\$275 00	
"	31	" World's Fair.....	31 19	
"	31	" collective exhibit.....	28 00	
"	31	" map of grounds.....	17 50	
"	31	" band.....	100 00	
"	31	" <i>Illini</i> subscription.....	77 79	
"	31	" military scholarships.....	75 00	
"	31	" music.....	33 70	
"	31	" music fees.....	78 00	
"	31	" commencement.....	187 81	
"	31	" buildings and grounds.....	\$606 29	
"	31	" taxes on Minnesota lands.....	1,381 79	
"	31	" mechan'l and architect'l shops.....	205 57	
"	31	" books and publications.....	76 54	
"	31	" apparatus and material.....	190 86	
"	31	" heating Military Hall.....	132 83	
"	31	" Engineering Hall.....	6 00	
"	31	" State Laboratory of Natural His ..	1,202 56	
"	31	" United States fund.....		3,801 94
"	31	By amount paid Charles W. Spalding, treasurer.....		2,720 64
				8,610 95
				\$29,376 43

URBANA, Sept. 12, 1893.

JOHN W. BUNN.

The committee on buildings and grounds made the following report:

## ENGINEERING HALL.

URBANA, ILL., September 12, 1893.

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

GENTLEMEN: Your committee on buildings and grounds begs leave to report in regard to the new engineering hall.

Immediately after the meeting of the board, July 5th and 6th, at which choice of a plan for the new engineering building was made, your committee began to follow out the instructions of the board in regard to necessary modification, of plans and the erection of the building.

We asked the members of the faculty of the college of engineering to study the plans one week and to be ready to suggest such modifications of them as their work seemed to demand.

On July 13th the committee met at the University and decided that the site of the building should be in the arboretum, midway between the

east line of the same, and the east line of the central avenue through the grounds, the front of the building to be fifty feet north of the north line of Green street.

After hearing the suggestions of the members of the faculty of the college of engineering, some minor changes of rooms were made, and we decided to modify the plans by making the height of the basement floor one foot above the sidewalk grade of Green street; and to grade on north side of the building to the height of the basement floor line, letting the earth slope on the sides to the north as the nature of the ground seemed to justify.

We also decided, if possible to do so with our limited means, to enlarge the rear or north end of the building eight or ten feet.

We further decided to prepare an elevator shaft, which might be used at some future time, if thought best.

It was thought that these changes would make considerable increase in cost, but that they could better be made now than at any other time.

Full instructions were sent to Mr. George W. Bullard, architect, and author of the design, whom the committee employed as architect, with directions to have specifications and working drawings completed by Aug. 20th.

The architect, in making drawings and specifications, decided that it was better to specify that the plumbing be put into this contract and so specified it. The amount of plumbing was not included in the estimates for the original building.

We ordered six sets of plans, of which two sets were sent to the Builders' and Traders' Exchange, Chicago; one to the Builders' Exchange, and one to the Truesdale Manufacturing Co., Peoria; one was put in the office of the chairman of the committee, Springfield, and one in the office of the secretary of the board, in Urbana.

We advertised for proposals for several days in four Chicago, two Peoria, and two Springfield dailies, one daily and two weekly papers in Champaign and Urbana, and in the American Contractor for two weeks.

Bids were to be received up till 12 o'clock, noon, Monday, Sept. 11, 1893.

The "Instructions to Bidders" is here inserted and made part of this report:

#### UNIVERSITY OF ILLINOIS—INSTRUCTIONS TO BIDDERS.

Sealed proposals will be received by the committee on buildings and grounds of the trustees of the University of Illinois till 12 o'clock, noon, of Monday, Sept. 11, 1893, for the erection and completion of an engineering building for the University of Illinois, in Urbana, Ill., according to the drawings and specifications for the same, which may be seen at the Builders' and Traders' Exchange, 34 Clark street, Chicago, Ill.; at the office of the Truesdale Manufacturing Co., 301 N. Water street, Peoria, Ill.; at the office of S. A. Bullard, Springfield, Ill., and at the office of W. L. Pillsbury, in Natural History Hall, Urbana, Ill.

Payments will be made every month on estimates of the architect, fifteen per centum being reserved till the final acceptance of the building.

The successful bidder will be required to furnish a bond, to be approved by the board of trustees, in the amount of one-third of his contract, conditioned on the proper fulfillment of his contract, and each bidder will file with his proposal a certified check, in the amount of one thousand dollars, drawn to the order of the treasurer of the University of Illinois, as a guarantee that he will furnish bondsmen and enter into a contract according to his proposal within six days, should the contract be awarded him.

The contractor will be required to be fully responsible for the building, without any expense to the owners, till the building is completed and is accepted by the owners.

The pressed brick may be estimated at \$16.00 per thousand, f. o. b. cars at Champaign or Urbana, and molded brick at \$15.00 per thousand less than the list.

Proposals will be filed with W. L. Pillsbury, secretary of the board of trustees, Urbana, Ill., and will be opened in the presence of bidders.

The committee reserves the right to reject any and all proposals.

SAMUEL A. BULLARD, }  
N. B. MORRISON, } *Committee.*  
RICHARD P. MORGAN, }

Urbana, Ill., August 22, 1893.

As the full committee could not meet at the hour for opening bids, the chairman of the committee, through the secretary, Mr. Pillsbury, received the proposals, fifteen in number, and adjourned the meeting to 3 o'clock that afternoon.

At that hour, with only himself of the committee present, but in the presence of the president of the board and with the assistance of the secretary of the board, the chairman opened the proposals, in the presence of the bidders.

One of the proposals was informal, not having a check enclosed as per instructions, and was laid aside.

The fourteen proposals presented were as follows:

Name.	Place.	Amount.
Peter Kinney & Son.....	Peoria.....	\$176,000 00
Valentine Jobst.....	".....	154,225 00
Hanes & Ohlson.....	Springfield.....	157,335 00
Frederick W. Menke.....	Quincy.....	164,248 00
Benjamin Hyde.....	Chicago.....	144,000 00
Beverforden & Stillwell.....	LaFayette, Ind.....	143,509 00
S. S. Goehring.....	Tuscola.....	148,987 00
L. L. Leach & Son.....	Chicago.....	166,983 00
Donaldson & Anderson.....	".....	144,958 00
Chas. A. Moses.....	".....	149,650 00
L. M. Moore & Son.....	Danville.....	147,697 00
C. F. Shultz & Co.....	".....	154,670 00
John Griffiths.....	Chicago.....	175,000 00
Murdoch, Campbell & Co.....	".....	166,377 00

The chairman announced to the bidders present that the proposals were above the amount that could be expended for the building; that the committee would consider them, report them to the board with their recommendations, and that the action of the board in the matter would be reported to the competitors. Also that their checks would be returned in due time.

Your committee recommends that all proposals be rejected, and that further proposals be sought; and, if necessary, that the building be reduced in cost to make it come within the amount of money we have to expend on it.

Your committee recommends that Professor Ricker be paid \$50 for his services as expert in deciding upon plans for the building.

Respectfully submitted,

S. A. BULLARD, }  
RICHARD P. MORGAN, } *Committee on*  
*Buildings and Grounds.*

#### MINORITY REPORT ON SITE.

Mr. Morrison, of the same committee, while agreeing to other matters of the report, made a minority report upon the site as follows:

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

GENTLEMEN: The minority of your buildings and grounds committee, to which was referred the location of the new engineering building, begs leave to submit the following report:

The site selected by the majority of said committee is open to many and serious objections, among which I desire to call your attention to the following:

(1.) The ground selected is too low, the lowest point being 14½ feet below University Hall.

(2.) The ground being uneven, the walls of the building will be of unequal height, which will cause unequal pressure and unequal settling.

(3.) The rear or heaviest wall will have to be erected upon a foundation of quicksand, which underlies all that portion of the site selected near Boneyard Creek.

(4.) The site selected involves the destruction of our elegant park that is now clothed with beautiful shade trees, and has been brought to its present condition by great care, skill, labor, and expense.

(5.) This building, if erected on the site selected, will be on the line of the proposed sewer which we hope will soon be build for the safety of the University of Illinois and the cities of Champaign and Urbana; and the State of Illinois can ill afford to place any obstruction in the way of that enterprise.

(6.) The building, if erected on the proposed site, cannot be seen from the Illinois Central Railroad, or from either of the two near cities, and we should thereby lose the benefit of imposing architecture for advertising purposes.

(7.) The occupancy of this site will necessitate a separate heating plant, or the removal of the present one at great expense, and will thus cause a further destruction of the Arboretum.

These are some of the objections to the selected site, any one of which ought to arrest the attention of this board and secure a careful investigation.

The minority of your committee would recommend, as his first choice of location for the engineering building, a site 300 feet south and 50 feet west from the southwest corner of University Hall, fronting Daniel street, which street would approach the center of the building. The ground at this point is as high as at University Hall, and the building on this site would command a fine view from the Illinois Central Railroad, and from the cities of Champaign and Urbana. It could be readily warmed from our present heating plant with small expense. Further, the University of Illinois has large landed interests in this direction that would be enhanced in value by the selection of this location.

As a second choice, the minority of your committee would advise the location of this building on the military campus, fronting Stoughton street, where the ground is a little higher than at University Hall, and where it would command an equally fine view from all directions.

All of which is respectfully submitted,

N. B. MORRISON,

*Member of Committee on Buildings and Grounds.*

The board adjourned to meet at 2:30 o'clock p. m.

#### AFTERNOON SESSION.

The board was called to order pursuant to adjournment.

The farm committee made the following report:

URBANA, ILL., September 13, 1893.

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

GENTLEMEN: Your farm committee begs leave to report in reference to the transfer of lands, stock, and utensils to the Experiment Station, that, time being limited, we desire to postpone the matter until the next regular meeting of this board.

Respectfully submitted,

N. B. MORRISON,

ALEX. MCLEAN,

ISAAC S. RAYMOND,

} *Farm Committee.*

The report of the committee was approved.

The finance committee made the following report:

URBANA, ILL., September 13, 1893.

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

GENTLEMEN: Your finance committee recommends that, complying so far as practicable with the requests made by men in charge of the several departments of the University, the following appropriations be made:

To the geological department.....	\$300 00
To the department of physics.....	400 00
For publications relating to political science.....	150 00
For mechanical engineering shops.....	3,000 00
For department of physiology.....	130 00
For department of zoölogy.....	1,000 00
For chemical department.....	490 00
For department of physical culture for women.....	210 00
For college of literature.....	200 00
For department of civil engineering.....	950 00
For department of municipal engineering.....	700 00
For department of architecture.....	500 00
Total.....	\$8,000 00

Respectfully submitted,

ALEX. MCLEAN,  
J. E. ARMSTRONG, } *Finance Committee.*  
F. M. MCKAY,

Appropriations were made as the committee recommended.

Mr. Swenson's bill for \$38.39 for service rendered at the World's Columbian Exposition was ordered paid.

The appointment of Mr. Farrington, as a delegate to the Association of American Agricultural Colleges and Experiment Stations, was approved.

Also the appointment of Mr. W. A. Powers, as assistant chemist to the Station.

The appropriations from station funds were made for the use of the Station in accordance with estimates presented in paper E of the station report.

Mr. Raymond was appointed a delegate to represent the University at the meeting of the Association of American Agricultural Colleges and Experiment Stations, to be held in Chicago, in October next.

The farm committee presented the following statement of sales, which was received for record:

URBANA, ILL., September 12, 1893.

Sales of cattle from the farm have been made in the six months, including August 31, 1893, as follows:

March.....	10 pigs.....	\$141 36
".....	2 heifers.....	64 68
April.....	5 horses and colts.....	510 00
".....	4 cows and heifers.....	175 00
".....	4 steers.....	177 37
".....	12 hogs.....	158 31
May.....	1 cow and balance on steers.....	54 10
June.....	1 bull and 1 hog.....	52 50
July.....	1 hog and 1 cow.....	30 60
August.....	9 heifers and 1 steer.....	247 20
-.....	Total.....	\$1,611 12

S. W. SHATTUCK,  
*Business Agent.*

## CEMENT WALKS.

The committee on buildings and grounds made the following report :

URBANA, ILL., September 13, 1893.

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

GENTLEMEN:—Your committee on buildings and grounds invited three parties in Chicago, one in Decatur, one in Peoria, and three in Springfield to present bids for putting in cement walks, as authorized at your meeting of June 6.

In response to these invitations bids were received as follows :

Simpson Bros., Chicago, 18 cents per sq. ft., for 4-inch stone, 3½ inches concrete, and ½ inch cement and torpedo gravel.

A. W. Bushnell, Peoria, 17½ cents per sq. ft., for 4-inch stone made according to formula for "asbestine" stone.

E. L. Martin, Decatur, 15 cents per sq. ft., for 4-inch stone, 3 inches concrete, 1 inch cement and sand.

P. E. Taintor, Springfield, 15 cents per sq. ft., for 4-inch stone, 3 inches concrete, 1 inch cement and sand.

Granolithic Pavement Company, Springfield :

1. 4-inch stone, 3 inches concrete, 1 inch cement and sand, 13 cents per sq. ft.
2. 5-inch stone, with 4 inches concrete, top as above, 15 cents per sq. ft.
3. 4-inch stone, 3 inches concrete, 1 inch of cement and fine granite, 17 cents per sq. ft.
4. 5-inch stone, with 4 inches concrete, top as above, 18 cents per sq. ft.

All these bids were put in on the basis that the foundations were to be put in by the University.

The committee voted to accept the second proposition of the Granolithic Pavement Company, and the chairman of the committee, Mr. Bullard, was authorized to make the contract with them on the following terms :

Four inches concrete to be one part best Portland cement, two parts clean coarse sand, and five parts clean coarse gravel.

The top to be one part best imported Portland cement and one and one-half parts clean sharp sand.

The whole work to be done and the grounds to be cleaned up on or before September 9, 1893.

An approximate estimate of this work is that it will cost \$900.

It has also been found necessary, because of the fitting up of rooms for the preparatory school on the first floor of the west wing of the University Hall, to make a walk from the west door of the University Hall to Wright street.

This will add, including the cost of foundations of all the walks, about \$234.

It is also necessary to put in walks four feet in width from the east door and south door of University Hall to the water closets, and it is estimated that these will cost, including foundations, \$300 more, making a total of \$1,435.

The board has already appropriated \$1,100 for cement walks, and your committee asks that an additional appropriation of \$400 be made.

Respectfully submitted,

S. A. BULLARD,	} Committee on
N. B. MORRISON,	
R. P. MORGAN	
	} Buildings
	} and Grounds.

The report was approved and the appropriation asked for was made.

On motion of Mr. Morgan, it was voted to subscribe for 400 copies of the *Illini*. This matter was put in charge of the committee on publication.

Mr. Morgan, from the special committee appointed at the June meeting to consider what it was desirable to do for the welfare of the young women of the University, made an informal report of progress.

The committee on buildings and grounds made the following report:

URBANA, ILL., Sept. 13, 1893.

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

GENTLEMEN: As directed by the board, your committee on buildings and grounds had ordered the work of putting into proper condition closets for men to be done at an expense of \$2,500, which sum we ask you to appropriate.

We have also ordered fitting up a toilet room for the faculty, and ask an appropriation of \$350.

The work of fitting up rooms in the preparatory school in the lower floor of the southwest wing of University Hall will cost \$440, and the board is asked to appropriate \$40 in addition to the \$400 already appropriated therefor.

The work of fitting up the business agent's and the registrar's office has been done at an expense of \$200, the amount which was appropriated therefor.

Your committee was directed to put in dumb waiters in the chemical laboratories and to fit up a store room in the basement of the Chemical Laboratory. This work has been done, and the board is asked to appropriate \$700 therefor. Five additional desks have been ordered for the chemical laboratories at a cost of \$550, which sum you are asked to appropriate.

The improvements ordered, to provide for additional classes in Natural History Hall, have been nearly completed, at a cost of \$190, and an appropriation of this sum is needed.

The repairs on the ladies' toilet room have been made at an expense of \$150; an appropriation of this amount is recommended.

Some work in the rooms of the free-hand drawing classes, which has been asked for, will cost \$100. We recommend an appropriation of this amount in order that the work may be done.

We also ask for \$40 to make needed improvements in the music room.

Your committee has employed Mr. S. P. Sutton, at \$125 a month, to take charge of the work intrusted to the committee, and we ask your concurrence in this action.

We also employed Mr. J. M. White to take charge of the architectural work for the committee, and we recommend that his bill of \$185 for his services be paid.

Respectfully submitted,

S. A. BULLARD,	} Committee on
N. B. MORRISON,	
RICHARD P. MORGAN,	
	Buildings
	and Grounds.

The report of the committee was approved and the appropriations were made as therein asked.

The committee on instruction reported recommending the appointment of Mr. Frank Smith, M.A., to be assistant in zoölogy, salary \$1,000, for ten months.

The report was approved, on motion of Mr. Morgan.

The report of the committee on buildings and grounds with reference to choice of site for the new building, advertising for bids, opening bids, etc., was then taken up.

On motion of Mr. McLean, the report was approved, except with reference to choice of site, and the appropriation of \$50 to pay Professor Ricker, was made.

Mr. Bullard, chairman of the committee on buildings and grounds, made the following report, and moved that its recommendations be adopted:

URBANA, ILL., September 13, 1893.

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

GENTLEMEN: Your committee on buildings and grounds begs leave to make further report as follows:

The informal proposal received by this committee for the erection of the new engineering building, referred to in the previous report, reads as follows:

TACOMA, WASH., August 30, 1893.

*To the Honorable Board of the Illinois State University.*

GENTLEMEN: We, the undersigned, will construct the college of engineering building in a workmanlike and satisfactory manner, according to the plans and specifications drawn by George W. Bullard, architect, and will give satisfactory bonds for the completion of the same, for the sum of one hundred and sixteen thousand seven hundred and ninety-four dollars (\$116,794.00).

Respectfully submitted,

GRIBBLE & SHURZ.

P. S.—The above bid includes plumbing throughout.

G. & S.

TACOMA, WASH., August 30, 1893.

*To the Honorable Board of the Illinois State University.*

GENTLEMEN: Mr. Bullard, your architect, could not inform us of the conditions on which our bid had to be submitted, so in case we should be low, we would refer you to the banks mentioned below, or we can telegraph you a certified check, if necessary.

Metropolitan Savings Bank, Tacoma, Wash.

Pacific National Bank, Tacoma, Wash.

Yours respectfully,

GRIBBLE & SHURZ.

The gentlemen making this proposal sent it before they had received "Instructions to bidders," sent out by this committee, but have since received it. After it appeared to your committee that none of the bids received in due form were sufficiently low, and that they must all be rejected, the chairman of your committee sent the following telegram to Messrs. Gribble & Shurz.

URBANA, ILL., September 12, 1893.

*Gribble & Shurz, Tacoma, Wash.*

GENTLEMEN: Your bid appears low. Are you satisfied with it? If so, wire check for one thousand dollars to-day, and bid will be considered.

S. A. BULLARD,

*Chairman of Committee.*

In reply to this, the same day, we received the following telegram:

TACOMA, WASH., September 12, 1893.

*To S. A. Bullard, Chairman University of Illinois Building Committee.*

We are ready to qualify. Certified check sent to-day by Pacific National Bank.

GRIBBLE & SHURZ.



The treasurer of the University received the following telegram:

TACOMA, WASH, September 12, 1893.

*To the Treasurer of University of Illinois.*

We send you to-day certified check to your order for \$1,000 as guaranteed for Gribble & Shurz, bidders on engineering building.

L. R. MANNING, *Cashier.*

The secretary of the board received the following telegram:

*W. L. Pillsbury, Secretary Board of Trustees, University.*

If necessary, we will guarantee Gribble & Shurz' certified check for one thousand dollars, sent by Pacific National Bank to treasurer University of Illinois.

#### METROPOLITAN SAVINGS BANK.

Your committee understands from these telegrams that these gentlemen make a further proposition to stand by their proposal, and guarantee that with a certified check to the amount of one thousand dollars.

We, therefore, recommend that this board adjourn, when it adjourns, to meet in two weeks; that Gribble & Shurz be notified that we accept their proposal, and that they be ready with their bond to enter into contract for the erection of engineering hall at that time.

Respectfully submitted,

S. A. BULLARD, } *Committee on*  
N. B. MORRISON, } *Buildings and Grounds.*

Mr. McLean offered as a substitute for this motion that the committee on buildings and grounds be directed to readvertise, as soon as possible, for bids for the construction of Engineering Hall.

On the question of the adoption of the substitute, the ayes and noes were called with the following result: Ayes, Raab, McKay, McLean, Morgan, and Raymond. Noes, Bullard, Graham, Morrison, and Armstrong. And the substitute prevailed.

On motion of Mr. McLean, it was voted that the board adjourn, when it adjourns, to meet at noon, October 5, 1893.

The question of a site for the new building was then taken up, and it was moved that the minority report with regard to site be substituted for that of the majority report.

On this motion the ayes and noes were called with the following result: Ayes, Raab, Graham, and Morrison. Noes, McKay, McLean, Bullard, Morgan, Armstrong, and Raymond. The substitute was lost.

The recommendation of the committee with regard to the site was then approved.

On motion of Mr. Armstrong, it was voted that the regent be requested to direct the janitor to have the street crossings on the north, northwest, and west of University Hall kept clean.

On motion of Mr. Raymond, it was voted that the buildings and grounds committee should, in its discretion, move the house in the arboretum to the south farm, if found practicable.

The president, Mr. Graham, being obliged at this time to return home, called Mr. McLean to the chair.

#### BUSINESS AGENT'S REPORT.

The business agent then made the following report:

URBANA, ILL., September 12, 1893.

*N. W. Graham, President Board of Trustees, University of Illinois.*

SIR: I have the honor to hand you herewith the following financial statements:

Paper A is a showing of the current appropriations for three months ending August 31, 1893.

Paper B gives the condition of the state appropriations August 31, 1893.

Paper C and C 2nd gives the condition of the United States fund August 31, 1893.

Paper D is a list of vouchers presented for audit, being 676 to 1050 inclusive.

Paper E is an estimate of receipts and expenses for the twelve months ending September 1, 1893.

Paper F is an estimate for the three months ending December 1, 1893.

PAPER A—CURRENT APPROPRIATIONS.

Sept. 13 and Nov. 15, 1892.	Appropriated.	Receipts also appropriated.	Expended.	Balance.
Board expenses.....	\$1,303 65		\$1,098 56	\$205 09
Salaries for instruction.....	13,803 33		13,773 57	29 76
Salaries for services.....	834 91		827 08	7 83
Buildings and grounds.....	400 00	\$30 00	97 63	332 37
Fuel and lights.....	1,500 00	30 00	229 35	1,300 65
Stationery and printing catalogues, etc.....	1,750 00		985 20	764 80
Preparatory school.....	233 33		233 33	
Minnesota lands.....	105 10	40 00	99 16	45 94
Mechanical department.....	200 00	13 97	175 60	38 37
Architectural department.....	400 00	786 38	816 51	369 87
Agricultural department.....	50 00	963 93	268 05	745 88
Horticultural department.....	50 00	212 60	49 84	212 76
Military department.....	167 00		58 40	108 60
Laboratories.....	200 00	775 23	376 65	608 58
Library and apparatus.....	50 00		23 68	26 32
Incidentals.....	200 00		175 91	24 09
<i>Sundries.</i>				
Water supply.....	275 00		275 00	
Furniture and fixtures.....	500 00		225 07	274 93
Gymnasium.....	49 22			49 22
Military scholarships.....	90 00		75 00	15 00
Accredited school diplomas.....	135 00			135 00
Commencement.....	200 00		202 81	
University bulletins.....	100 00			100 00
<i>Illini</i> subscriptions.....	93 34		77 79	15 55
Music and band.....	235 00		133 70	101 30
Map of University grounds.....	25 00		17 50	7 50
Furnishing Natural History Hall.....	86 77			86 77
Art department.....	113 96			113 96
World's fair exhibit.....	378 69		229 19	149 50
University extension.....	75 00			75 00
Drainage.....	100 00			100 00
Offices and preparatory school rooms.....	1,000 00			1,000 00
Ladies' reception room.....	300 00			300 00
Music fees.....		78 00	78 00	
Heating.....			27 65	

PAPER B—STATE APPROPRIATIONS.

	Received.	Expended.	Balance.	Assigned.
Cabinets.....	\$500 00	\$246 12	\$253 88	\$253 88
Taxes on Minnesota lands.....	1,381 79	1,381 79		
Furnishing and heating Natural History Hall.....	6,000 00	56 20	5,943 80	5,943 80
Boilers and coal house.....	6,500 00		6,500 00	6,500 00
Engineering building.....	80,000 00	1,129 45	78,870 55	70 55
Municipal engineering.....	50 00		50 00	50 00
Department of Greek.....	100 00	10 00	90 00	90 00
Psychological laboratory.....	800 00	32 37	767 63	767 63
Chemical.....	500 00		500 00	500 00
Botanical.....	200 00	26 81	173 14	173 19
Binding books.....	175 00		175 00	175 00
Architectural cabinets.....	175 00	15 61	159 40	159 40
Buildings and grounds.....	2,100 00	1,190 66	909 34	909 34
Library.....	5,000 00		5,000 00	5,000 00
Unassigned of \$60,000.....	50,900 00		50,900 00	
Total.....	\$154,381 79	\$4,089 00	\$150,292 79	\$20,592 79
Illinois State Laboratory of Natural History.....	\$8,563 26		\$8,563 26	\$833 66

## PAPER C—UNITED STATES FUND.

	Received.	Expended.	Balance.	Assigned.
<i>Year Ending June 30, 1890.</i>				
Before reported on .....	\$13,000 00	\$13,000 00		
Natural history .....	2,000 00	1,903 88	\$96 12	\$96 12
Total .....	\$15,000 00	\$14,903 88	\$96 12	\$96 12
<i>Year Ending June 30, 1891.</i>				
Before reported on .....	\$14,510 00	\$14,510 00		
Architectural department .....	1,430 00	1,379 53	\$50 47	\$50 47
Geological laboratory .....	60 00	45 86	14 14	14 14
Total .....	\$16,000 00	\$15,925 39	\$64 61	\$64 61
<i>Year Ending June 30, 1892.</i>				
Before reported on .....	\$14,750 00	\$14,750 00		
Library .....	2,000 00	1,818 62	\$181 38	\$181 38
English literature .....	150 00	30 23	119 77	119 77
Metallurgical laboratory .....	100 00		100 00	100 00
Total .....	\$17,000 00	\$16,598 85	\$401 15	\$401 15
<i>Year Ending June 30, 1893.</i>				
Salaries for instruction .....	\$15,650 00	\$15,650 00		
Mining engineering .....	50 00	47 59	\$2 41	\$2 41
Agricultural lectures .....	250 00	48 95	201 05	201 05
Mechanical department .....	400 00	400 00		
Veterinary department .....	40 00	29 15	10 85	10 85
Testing laboratory .....	40 00	25 38	14 62	14 62
Physics and electricity .....	800 00	800 00		
College of engineering .....	216 50	45	216 05	216 05
Architectural department .....	264 00		264 00	264 00
Civil engineering .....	245 00	93 09	151 91	151 91
Unassigned .....	44 50		44 50	
Total .....	\$18,000 00	\$17,094 61	\$905 39	\$860 89
<i>Year Ending June 30, 1894.</i>				
Physics and electrical engineering .....	\$4,000 00	\$2,815 88	\$1,184 12	\$1,184 12
Testing laboratory .....	1,700 00		1,700 00	1,700 00
Unassigned .....	13,300 00		13,000 00	
Total .....	\$19,000 00	\$2,815 00	\$16,184 12	\$2,884 12

The board is requested to appropriate the amounts given under the head of expenses in Paper E for the purposes named.

I also enclose several bills which the board is requested to act on.

The attention of the board is also drawn to the fact that the records do not show any appropriations for a large amount of changes and repairs now going on. For instance, heating, water closets, changes in the chemical laboratory.

Respectfully submitted,

S. W. SHATTUCK,

*Business Agent.*

The following appropriations were made as recommended by the business agent:

## APPROPRIATIONS.

Board expenses.....	\$500 00
Salaries for instruction and regent.....	19,800 00
Salaries for services.....	2,467 05
Buildings and grounds.....	400 00
Fuel and lights.....	2,000 00
Stationery, printing, and postage.....	600 00
Laboratories.....	400 00
Library and apparatus.....	50 00
Incidentals.....	200 00
Water supply.....	125 00
Furniture and fixtures.....	500 00
Mechanical, architectural, agricultural, and horticultural departments.....	700 00
Military department.....	150 00
Heating apparatus.....	500 00
Accredited schools diploma, balance.....	135 00
Offices and preparatory school, balance.....	1,000 00
University bulletins, balance.....	100 00
Ladies' reception room, balance.....	300 00
Music and piano, balance.....	100 00
Drainage, balance.....	100 00
Minnesota lands, balance.....	45 94
Art department, balance.....	113 96
World's Fair exhibit, balance.....	149 50
Gymnasium, balance.....	49 22
Total.....	\$30,686 12

Mr. Bunn's bill, \$493.11, for money paid as accrued interest on bonds purchased was ordered paid.

Dr. Burrill's bill, amounting to \$53.45, for expenses attending board and committee meetings, was ordered paid.

Bills amounting to \$93.13, for machines furnished by Schaeffer & Budenberg for the mechanical department, were ordered paid,

Professor Baker's bill of \$6 for railroad fare in attending meeting of the committee on buildings and grounds, was ordered paid.

The sum of \$200, or so much thereof as might be needed, was appropriated from state appropriation for Engineering Hall, to be used in the preparation of blue prints and in advertising the second bidding.

Professor C. M. Moss was appointed librarian.

The board then adjourned to meet at the University Parlor, in Urbana, at noon, October 5, 1893.

N. W. GRAMAM,

*President.*

W. L. PILLSBURY,

*Secretary.*