

PROCEEDINGS
OF THE
BOARD OF TRUSTEES
OF THE
UNIVERSITY OF ILLINOIS,
FOR THE
Year Ending August 31, 1895.

MEETING OF SEPTEMBER 25, 1894.

The Board of Trustees of the University of Illinois met in the office of the State Superintendent of Public Instruction, in Springfield, Illinois, at 2 o'clock p. m., Tuesday, September 25, 1894. There were present Governor Altgeld, and Messrs. Armstrong, Bullard, Graham, McKay, McLean, Raab, and Raymond; absent, Messrs. Bryant, Gore, Morgan, and Morrison.

The minutes of the meetings of June 5, 1894, and August 1, 1894, were approved.

On motion of Mr. McKay, it was voted that President Draper, the deans of the colleges, and two members of the Board of Trustees, should be a committee to make arrangements for the installation of the President, and the dedication of Engineering Hall, these exercises to be held November 15, 1894. Messrs. Armstrong and McKay were subsequently appointed as members of this committee from the Board of Trustees.

The Executive Committee made the following report, which was confirmed on motion of Mr. McKay:

REPORT OF EXECUTIVE COMMITTEE.

To the Board of Trustees of the University of Illinois.

GENTLEMEN:—Your Executive Committee met in Chicago, August 17, 1894, with all the members present. President Draper and Mr. Morgan were also present.

It was voted that a room be added to the farm house on the south farm; and the request from the tenant for new corn-cribs and repairs on the barn was referred to Mr. Morrison, Chairman of the Farm Committee, with instructions to examine into the matter and have such improvements made as should be found necessary.

The following appointments were made: Mr. H. S. Grindley, assistant in chemistry, salary \$100.00 a month; Mr. A. C. Burnham, assistant in mechanical engineering, salary \$80.00 a month; Mr. F. A. Sager, assistant in physics, salary \$80.00 a month; Mr. I. H. Allen, storekeeper in the electrical engineering laboratory, salary \$30.00 a month. These appointments were all for ten months, beginning September 1, 1894.

In regard to the model school authorized by the Board of Trustees to be organized in connection with the course in pedagogics, it was voted that since Professor McMurry, at whose request the organization of a model school was made, had withdrawn from the Faculty of the University, the organization of said school be referred to President Draper with power to act.

Professor Burrill was appointed President of the Board of Direction of the Experiment Station and asked to accept the place for the present year.

President Draper and Professor Burrill were authorized to appoint a chemist for the Experiment Station, at a salary not to exceed \$2,000.00 a year.

It was ordered that inasmuch as the time set for the September meeting of the Board occurs during the week in which the Illinois State Fair is to be held in Springfield, the Secretary be instructed to announce the meeting to be held in the office of the Superintendent of Public Instruction, at Springfield.

S. A. BULLARD,

Acting Secretary.

N. W. GRAHAM,

President.

President Draper was then requested to present his report.

PRESIDENT'S REPORT.

To the Board of Trustees of the University of Illinois.

GENTLEMEN:—In view of the very recent date upon which I entered upon this position, I have but little to report.

The University entrance examination commenced on the 6th inst. The 10th and 11th inst. were registration days, and instruction was resumed on Wednesday, September 12th. The registration up to date is as follows:

University.....	590
Preparatory School.....	108

This is an increase of about sixty over last year. The spirit of the Faculty and students of the University at the opening seems as hearty and buoyant as could be desired.

The members of the corps of instruction are all on duty, except that Mr. James David Phillips, instructor in general engineering drawing, and Mr. Fred Herbert Dodge, instructor in athletics, are absent sick. As to the time when they will likely be able to return it is impossible to say. The position held by Mr. Phillips has been temporarily filled and, in the opinion of the Dean of the College of Engineering, the interests of the University are being satisfactorily taken care of. There is no one discharging the duties of instructor in athletics. I have a communication from a physician in Chicago, under whose charge Mr. Dodge is, saying that it may be some weeks before he can go on with his work. The Athletic Association has engaged Mr. Louie de P. Vail, of Peoria, to coach the foot-ball team, and has addressed a communication to the Board requesting assistance in meeting the expenses involved. I should be glad to have this done so far as the Board is able to do it, and it occurs to me that Mr. Vail might be given the position of instructor in athletics until Mr. Dodge is able to resume it, or until the termination of the foot-ball season. There is very little done in the way of indoor athletics until the cold weather puts an end to outdoor work. This course would at least go some way towards assisting the Association to meet its engagements.

The University is seriously embarrassed by the failure to complete the new Engineering Hall according to contract. All plans had been predicated upon having possession of the building at the beginning of the year. The building

has made somewhat more rapid progress since the first of August, but there seems to be no reason to believe that it will be ready for delivery to us before the middle of November.

The Military Band is in need of some new instruments, in the place of some which have become unfit for use, which are so expensive that we can hardly expect individual members to supply them. I transmit herewith a communication from the leader of the band, with the endorsement of the professor of military science, in reference to the matter. It is needless to say that this band is of great service to the University and should have whatever assistance it is practicable to give it, and I therefore recommend an appropriation of the sum of three hundred dollars for band instruments.

Pursuant to the resolution adopted at the last meeting of the Board, on motion of Governor Altgeld, a circular was prepared in August, showing the advantages of the University, and was broadly distributed. The cost of the same consumed but a comparatively small part of the fund appropriated for the purpose, and I respectfully recommend that the balance be re-appropriated for the purpose of publishing other documents showing buildings and equipment of the University, for distribution.

I report also that I have received a communication from Miss Kate Cary, making a claim against the Board for the sum of fifty-four dollars for expenses incurred by her in preparing herself for teaching a model school, which it was proposed to establish in the University, but which has been abandoned. There was never any authority given, as I understand it, for the employment of Miss Cary, but it is probable that she was given reason to believe she would be employed in the capacity referred to. If we have been under any honorable obligations in the premises they have been discharged by the proffer of another situation of larger pay nearer her home, which has been declined. I am, therefore, unable to recommend the claim.

I submit the following important communication from the Librarian:

To the Board of Trustees of the University of Illinois.

GENTLEMEN:—Before the library of the University of Illinois can be, in any sense, of efficient service to the Faculty and students, and be worthy of comparison with the libraries of the other great universities of the country, certain glaring defects in its equipment and economy demand a remedy. To gain this object no large sum of money is required. A small appropriation made now will meet a need out of all proportion to the actual amount called for, and will insure against the necessity of spending a still greater sum in the future. In other words, the longer the delay incurred in adopting modern methods in the management of the library, the more costly will be their final and unavoidable introduction.

(1) The proper classification and cataloguing of the library—of the first importance if we are to know what we have and all that we have, and how instantly to find any desired book—is the first need. A card catalogue equipment, calculated to meet the requirements of the library for the next ten years or more, should be purchased at the outset, and will cost \$200. One which would prove less economical in the end, but would be cheaper now, would cost about \$125. The purchase, however, of a smaller outfit, for more pressing immediate needs, is by no means advisable, involving, as it would, a waste, in the end, both of library space and of money. It should be added that the set of drawers now used by us is becoming crowded, and is, moreover, of awkward design and inconvenient for use. It is hardly necessary to say, in conclusion, that the Library Bureau is the patentee and sole manufacturer of approved card-catalogue outfits.

(2) In order that the daily work of the library may be carried on, and, at the same time, system and method be introduced into the chaos of literature which has been accumulating ever since the founding of the University, the employment of a skilled cataloguer—a person who can work rapidly and intelligently and is familiar with the Dewey “Decimal System of Classification”—is indispensable. The securing of such an assistant is the more necessary if the University Librarian’s position is to be one of more importance or dignity

than that of general drudge and man of all work. With a skilled assistant under him, he could enlarge the scope of his usefulness, and, by offering instruction and practical training in bibliography, library economy, and the use of books, vastly increase the mutual benefit to be derived both by the students from the library and by the library from the students. Much valuable voluntary assistance might in this way be secured, although it would in no wise obviate the necessity of employing a professional cataloguer. In a number of our sister universities and colleges, where the librarian has, in some instances, been constituted professor of bibliography and library economy, instruction, more or less detailed, is offered by him in those branches. Such is the case at the University of Colorado, at Amherst College, Bowdoin College, the University of California, Cornell University, the Iowa State College, the University of Michigan, Wellesley College, and the Maine State College. The employment of a trained cataloguer, unless we look for a high grade of experience and efficiency, would not cost over six hundred or eight hundred dollars a year, or somewhat less than that if the term of service were limited to the academic year.

The Librarian wishes to call attention to the very considerable and wholly unnecessary additional expense which will be incurred if the proper classification of the library is delayed until after its removal to the new building which we expect to occupy within the next year or two. Such a delay would necessitate moving twice each one of our 26,000 volumes, whereas, if the proper marking and labeling is completed as the books stand at present, they will be ready for immediate and correct arrangement upon the transference to the new library.

That the adoption of a systematic classification and designation of each book must come in the end, is obvious when it is considered how much time is now consumed in hunting for any desired volume from among the 26,000 on the shelves. As the library grows, this difficulty will increase unless the collection is at once put in proper order and carefully re-catalogued. If, for any reason, it should be found impossible to grant the library a liberal appropriation at this time, it will prove of far greater advantage to spend the money assigned to that department in the manner indicated above than in the purchase of new books for which our cramped quarters allow us no room. The time for expansion will come with the new building. Until then there is enough to do in preparing the present collection for removal and re-arrangement.

(3) So far as the appropriation for books will allow, a certain sum of money, for the purchase of general works of reference, should be placed at the disposal of the Librarian. These works, not falling within the department of any one instructor, often fail of being ordered, to the subsequent serious inconvenience of those using the library. Their expense sometimes deters an instructor from including them in his list, as their purchase would consume so large a portion of the sum assigned him for books. An annual appropriation of at least two or three hundred dollars should be at the command of the Librarian for the purchase of this class of books as well as of such new or necessary publications, manuals, aids, or appliances as fall within his own special line of work.

This application for an appropriation, inconsiderable in amount, but most urgently needed, is most respectfully submitted.

PERCY F. BICKNELL, *Librarian*.

URBANA, ILL., Sept. 21, 1894.

I also submit the following report of the President of the Board of Direction of the Agricultural Experiment Station:

EXPERIMENT STATION REPORT.

Dr. A. S. Draper, President University of Illinois.

DEAR SIR:—Having been appointed, for the time being, President of the Board of Direction of the Agricultural Experiment Station, I have undertaken to perform the not very well defined duties of the office.

The Board held the regular quarterly meeting on the 20th inst., with all members present except Mr. Gurler, of the State Dairymen's Association. The resignations of Professor Morrow and Mr. Farrington left their places vacant, and these have not been filled.

For the information of those present a report was prepared of the condition and progress of the affairs of the Station during the quarter, as communicated to me by each member of the Station staff. This report showed very commendable activity and some valuable results. The experiments in each department, except that of dairying, seem well planned and well executed. The dairy work has not been well established, and changes in the membership of the Station staff have been injurious to these experiments. It is very desirable that this work shall have prompt and earnest attention, but just what can be done until competent men are provided is difficult to state. There was no member of the standing committee on the subject present at the meeting. The assistant chemist and dairyman have been doing all within their power for the good of the department, but something more is needed. The assistant agriculturist is also trying to help here, but his time and attention are demanded elsewhere. Because something should be done and because nothing better seemed possible, the present President of the Board was added to this standing committee.

According to the report presented satisfactory progress has been made in various field experiments, in matters of feeding steers and pigs, in tests upon evaporation of water from soils, in various chemical and botanical investigations, and in experiments in horticultural subjects.

The consulting entomologist, Professor Forbes, contributed an important account of the very earnest efforts made by him, under the authority of the Station, and at its expense, to test in the fields the efficacy of a fungous disease in killing off chinch bugs. More than 2,000 packages were sent out containing infected bugs, and in many cases other infecting material. On the whole, results seem to show that this disease cannot be spread effectively during dry weather, though persistent artificial infection seems to have been useful in one case. A bulletin on the subject is to be published soon.

During the quarter bulletins Nos. 33 and 35 have been published, and No. 34 is in the printer's hands, while the manuscript for No. 36 is practically completed.

The first of these contains a short article on the destruction of chinch bugs, by Professor Forbes, and articles on dairy matters, by Professor Morrow and Mr. Farrington. No. 34, on wheat and oats, is by Professor Morrow and Mr. Gardner. No. 35, on the Russian thistle, and No. 36, on feeding experiments, are by Professor Morrow.

The Board of Direction presents the following papers:

Paper A is a statement of expenditures for the quarter ending June 30, 1894.

Paper B is a statement of expenditures for the year ending June 30, 1894.

Paper C is a list of warrants drawn during the quarter ending June 30, 1894, Nos. 231 to 335, inclusive, and is accompanied with vouchers for the same.

Paper D is a statement of appropriations, expenditures, and balances for the quarter ending September 30, 1894.

Paper E is a statement of appropriations asked for the current and 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 A—STATEMENT OF EXPENDITURES, QUARTER ENDING JUNE 30, 1894.

Board expense	\$46 12
Books and publications	30 06
Botanical apparatus and supplies	3 05
Bulletins and reports	163 41
Chemical apparatus and supplies	46 67
Fertilizers	11 02
Fuel and lights	35 80
Incidental expenses	25 16
Printing, stationery, and postage	31 47
Salaries	1,814 98
Seeds and trees	48 31
Tools and supplies	78 61
Wages and teams	1,201 93
Sundry experiments—	
Chinch bug experiment	196 34
Clover and other forage plant experiments	10 50
Dairying experiments	8 24
Drainage experiment	49 65
Total	\$3,801 32

PAPER B—STATEMENT OF EXPENDITURES, YEAR ENDING JUNE 30, 1894.

Board expense	\$127 84
Books and publications	347 41
Botanical apparatus and supplies	47 08
Bulletins and report	1,307 07
Chemical apparatus and supplies	309 44
Fertilizers	11 02
Fuel and lights	187 60
Furniture and fittings	12 80
Incidental expenses	62 74
Meteorological apparatus	25 67
Printing, stationery, and postage	59 58
Salaries	7,312 16
Seeds and trees	101 12
Tools and supplies	369 70
Wages and teams	4,127 27
Chinch bug experiment	196 34
Clover and other forage plant experiments	29 75
Dairying experiments	62 69
Drainage experiment	64 15
Nitrogen experiment	187 50
Farmers' Institutes	51 07
Total	\$15,000 00

PAPER D—STATEMENT OF APPROPRIATIONS, EXPENDITURES, AND BALANCES FOR THE QUARTER ENDING SEPTEMBER 30, 1894.

	Appropriated.	Expended.	Balances.
Buildings and repairs	\$25 00		\$25 00
Board expense	50 00		50 00
Books and publications	50 00		50 00
Botanical apparatus	10 00		10 00
Bulletins	200 00		200 00
Chemical apparatus	50 00		50 00
Fuel and lights	60 00		60 00
Incidentals	25 00		25 00
Printing, stationery, and postage	25 00		25 00
Salaries	2,060 00	\$1,218 34	841 66
Seeds and trees	10 00		10 00
Tools and supplies	270 00		270 00
Wages	1,100 00	814 53	285 47
Sundry experiments—			
Chinch bug experiments	250 00	211 13	38 87
Wheat and forage experiments	100 00		100 00
Total	\$4,285 00	\$2,244 00	\$2,041 00

PAPER E—ESTIMATES.

<i>Quarter ending September 30, 1894.</i>	
Additional amount needed for wages.....	\$100 00
<i>Quarter ending December 31, 1894.</i>	
Building and repairs.....	\$25 00
Board expense.....	50 00
Books and publications.....	275 00
Botanical apparatus.....	10 00
Bulletins.....	1,100 00
Chemical apparatus.....	25 00
Fuel and lights.....	100 00
Incidentals.....	15 00
Printing, stationery, and postage.....	15 00
Salaries.....	1,500 00
Seeds and trees.....	30 00
Tools and supplies.....	100 00
Wages.....	550 00
Testing durability of timber.....	50 00
Expenses of delegate to meeting of Association of American Agricultural Colleges and Experiment Stations.....	50 00
Total.....	\$3,895 00
From Station farm fund—	
For wages.....	\$450 00

The Board has appointed Dr. Burrill to represent the Experiment Station of this University at the meeting of the Association of American Agricultural Colleges and Experiment Stations, to be held in Washington, November 13, 1894, and asks approval of this appointment.

The Board has not planned any new work for the coming quarter, but will enlarge somewhat its feeding experiments in order to investigate more fully than has been done heretofore the value of wheat for feeding purposes.

It will also make some additions to the forestry plantation by planting some 100 trees each, of Kentucky coffee and of mulberry. It is further proposed to do much more work than heretofore in the way of testing the durability of timber grown in this state.

Respectfully submitted,

T. J. BURRILL,
President Board of Direction.

I also submit an application from Miss Anita M. Kellogg, Director of the Woman's Gymnasium, asking for an appropriation for current expenses and for some additional light apparatus. In view of the fact that the attendance of students in that department is double what it was last year, I recommend that \$70.00 be appropriated for the services of a piano accompanist and \$200.00 for the other purposes suggested.

I submit a communication from the professor of military science asking for an appropriation of \$50.00 for the purchase of additional swords for officers of the battalion, consequent upon a re-organization thereof, and recommend that it be granted.

Also a communication from the professor of pedagogy requesting an appropriation for current expenses in his department, and recommend that \$150.00 be granted.

Also one from the Principal of the Preparatory School, of similar import, and recommend that \$200.00 be granted.

Also one from Dr. Burrill requesting that provision be made for employing assistance in the bacteriological laboratory, to the extent of \$5.00 per week for the fall term, and recommend that it be granted.

Also one from Professor Charles M. Moss for \$150.00 for the purchase of material and supplies to be used in the Greek department, and recommend that it be granted.

Also one from Professor Talbot for material and appliances in the laboratory of applied mechanics, and recommend that \$185.00 be allowed.

Also one from the business manager of the *Illini*, asking for an appropriation of \$630.00, to send the paper regularly to the high schools of the state. In my judgment the Board should give the *Illini* such support as is consistent with the finances of the University. The paper has been enlarged and improved in appearance, and I think it may be, materially, in quality, so as to make it really representative of the higher and better work of the University. It has undoubtedly served a good purpose in the past and as undoubtedly may be made of still greater usefulness in the future. It is possible that it might be better to leave it to the students to manage and support their paper in altogether their own way, and to use such University funds as are available for the purpose for the publication of bulletins wholly devoted to the higher literary and scientific work of the institution. But we probably are not prepared to do that this year, and, until we are prepared, we can probably secure no better arrangement than that now in operation. I therefore recommend the appropriation of such liberal sum to aid in the distribution of the *Illini* as the Board may be able to grant.

Respectfully submitted,

A. S. DRAPER, *President*.

On motion of Governor Altgeld, the balance of the \$1,000.00 appropriated for advertising purposes, at the last meeting of the Board, was re-appropriated, the expenditure of this sum to be under the direction of President Draper and the President of the Board of Trustees.

On motion of Mr. McKay, President Draper and the deans of the colleges were directed to consider and report at the next meeting of the Board, upon a course of instruction in political and social science, to be offered in the next catalogue.

The Treasurer's report was received and referred to the Finance Committee.

TREASURER'S REPORT.

CHARLES W. SPAULDING, TREASURER, IN ACCOUNT WITH THE UNIVERSITY OF ILLINOIS.
AUGUST 31, 1894.

1894.	Dr.		
May 31	To balance		\$67,468.74
June 2	From S. W. Shattuck, on general fund	\$ 10 00	
" 9	Payment of bond No. 2, City of Urbana	1,000 00	
" 9	coupons due June 1, City of Urbana	495 00	
" 11	Payment on contract No. 62, R. H. Muhlhausen	100 00	
" 13	Farm fund account	50 00	
" 15	Morgan county coupons due June 15	1,400 00	
" 22	Champaign county " " 1	182 50	
" 22	Homer township " " 22	375 00	
" 25	Montgomery county " " 15	540 00	
" 25	bond No. 5, due June 15	1,000 00	
" 25	From S. W. Shattuck on general fund	2,581 30	
July 2	Montgomery county coupons due July 1	195 00	
" 2	Farm fund account	85 90	
" 3	Champaign county coupons due July 1	2,250 00	
" 3	Payment on union school dist. bond No. 2, Champaign Co	200 00	
" 3	Interest on above, due July 1	160 00	
" 5	State appropriation account engineering building	80,000 00	
" 5	Sangamon county coupons, due July 1	250 00	
" 9	State appropriation 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	
" 11	Austin coupons due July 1	575 00	
" 14	Part Pike county coupons, due July 1	1,960 00	
" 14	Logan county coupons due July 1	750 00	
" 14	Gallatin county " " 1	630 00	
" 14	Macoupin county " " 1	618 00	
" 17	From S. W. Shattuck on general fund	331 94	
" 18	Litchfield coupons due July 1	440 00	
" 18	State appropriations for '93 taxes on Minnesota lands	1,519 35	

Treasurer's Report—Concluded.

1894.				
July	19	Sangamon county bond No. 2, due July 11.....	1,000 00	
"	19	coupons " " 11.....	200 00	
"	20	Champaign " " " 1.....	50 00	
"	30	State appropriation, from United States.....	20,000 00	
"	31	Township of Taylorville coupons, due August 1.....	1,200 00	
August	1	Mattoon coupons, due August 1.....	150 00	
"	1	Champaign county bonds Nos. 17, 18, 19, 20, due August 1.....	2,000 00	
"	1	coupons, due August 1.....	540 00	
"	1	Kankakee county coupons, due July 1.....	2,400 00	
"	1	Mansfield coupons due July 1.....	213 00	
"	6	Morgan county bond No. 2, due August 1.....	1,000 00	
"	6	coupons " 1.....	540 00	
"	6	Interest due January 1, '94 and accrued interest to date on contract No. 39, J. E. Blickenstaff.....	25 15	
"	6	Pittsfield school coupons due July 1.....	240 00	
"	6	State appropriation account State Laboratory of Natural History.....	6,750 00	
"	6	Part Pike county coupons, due July 1.....	770 00	
"	13	Montgomery county coupons due August 1.....	90 00	
"	22	Montgomery county bond No. 1, due August 1.....	500 00	
"	22	Accrued interest on above.....	1 67	
"	31	From S. W. Shattuck, on general fund.....	1,581 30	
"	31	Interest on endowment fund, June, July, and August, 4 per cent.....	277 75	
"	31	Interest on other funds, June, July, and August, 2½ per cent.....	383 91	\$197,611 77
				<u>\$265,080 51</u>
<i>Cr.</i>				
August	31	By amount paid on account of general fund as per list of warrants attached hereto.....	\$21,642 82	
"	31	By amount paid on account of state appropriation as per list of warrants attached hereto.....	49,775 32	
"	31	By amount paid on account of State Laboratory of Nat'l History as per list of warrants attached hereto.....	2,948 20	
"	31	By amount paid on account of U. S. fund as per list of warrants attached hereto.....	462 30	
"	31	By amount paid on account U. S. Experiment Station fund as per list of warrants attached hereto.....	4,172 15	
"	31	By amount paid on account of U. S. Experiment Station farm account as per list of warrants attached hereto.....	391 19	\$79,391 98
		Balances—		
		State appropriations { Current fund.....	\$51,284 26	
		{ Engineering Hall.....	67,003 17	
		{ Other appropriations.....	14,854 71	
		General fund.....	2,261 66	
		U. S. fund.....	20,598 51	
		Endowment fund.....	30,619 50	
		U. S. Experiment Station farm account.....	324 89	
			\$186,946 70	
		Less overdraft of U. S. Experiment Station acc't....	1,258 17	\$185,688 53
				<u>\$265,080 51</u>

BUILDINGS AND GROUNDS.

SPRINGFIELD, ILL., September 25, 1894.

To the Board of Trustees of the University of Illinois.

GENTLEMEN: Your Committee on Buildings and Grounds begs leave to report as follows:

Your Committee on consultation decided to put in water tube boilers for heating apparatus for Engineering Hall, and accepted a proposition from the Babcock & Wilcox Company, of New York, for two boilers of 200-H. P. each, at a price of \$9,700.00.

Your Committee on consultation with the Faculty of the Engineering College gave the contract for furniture for the new building, to the LaFayette Lumber and Manufacturing Company, for \$7,500.00, the contract to be fulfilled by December 1, 1894.

It being evident that the contract for Engineering Hall would not be completed September 1, according to its terms, your Committee asked the contractors to appear and show cause, if any, why they had not been able to carry out the contract. They appeared August 28th and stated that strikes through the summer had delayed them, and asked an extension of eight weeks. Your Committee, on examination into the reasons given, decided to recommend to the Board that an extension of six weeks be allowed. We make that recommendation now, believing that it is but just and right under the stipulations of the contract.

Your Committee ordered the removal of the old fences upon the campus, believing that the action would be commended by the Board.

Your Committee, upon estimating the amount of walks necessary for connecting the new building with the other walks of the grounds, found that they would, if laid in cement or manufactured stone, cost about \$1,000.00. We ask your instructions with regard thereto.

Your Committee recommends the payment of \$1,600.00 to the architect and superintendent, on account of services rendered.

The general contractors of the new building have been paid as follows: July 1, 1894, \$7,667.94; August 1, 1894, \$6,808.58; September 1, 1894, \$19,186.60.

It is the intention of the Committee not to pay any further money to the general contractors until the completion of the building.

Your Committee asks your instructions with regard to settling with the contractors, as the building will be completed before your next regular meeting.

Respectfully submitted,

S. A. BULLARD,

Chairman of Committee on Buildings and Grounds.

On motion of Mr. McLean, the report of the Committee was received, and the appropriation of \$1,600.00 for payment of the architect and superintendent was made, as recommended.

On motion of Mr. Armstrong, it was voted that the general contractors of the engineering building be held to their contract, and that no more money be paid until the building is completed and turned over. The Committee on Buildings and Grounds was instructed to communicate this action to the contractors.

Two hundred dollars was appropriated to be used, or as much thereof as may be needed, by the Committee on Buildings and Grounds, in constructing temporary plank walks about Engineering Hall.

President Draper's report was then taken up for consideration.

On motion of Mr. McLean, Mr. L. deP. Vail was made temporary instructor in athletics during the absence of the director of the gymnasium, Mr. Dodge.

On motion of Mr. Raab, \$300.00 was appropriated for band instruments and music.

On motion of Mr. Raab, \$50.00 was appropriated for the purchase of swords and belts, at the request of Captain Brush.

For the department of pedagogics an appropriation of \$150.00 was made.

For the preparatory school an appropriation of \$200.00 was made, to be used in the purchase of apparatus and supplies.

Professor Burrill was authorized to employ assistance in his department during the fall term, at an expense of \$5.00 a week.

For the department of Greek \$150.00 was appropriated.

For the purchase of supplies for use in the testing laboratory an appropriation of \$185.00 was made.

On motion of Mr. McKay, \$500.00 was appropriated for advertising in the *Illini* and for subscriptions. The distribution of the copies received was referred to the President of the University.

For the library, \$4,500.00 was appropriated, to be expended under direction of the Library Committee.

On motion of Mr. McLean, appropriations of Experiment Station funds were made in accordance with the recommendations of the Board of Direction of the Station, as presented in Paper E on page 6.

The appointment of Professor Burrill as delegate from the Experiment Station to the meeting of the Association of the American Agricultural Colleges and Experiment Stations, to be held in Washington, November 13th next, was approved.

For the woman's gymnasium an appropriation of \$200.00 for apparatus was made; also an appropriation of \$70.00 for a pianist for the year, these expenditures to be made under the supervision of the President of the University.

An appropriation of \$200.00 was made to defray expenses attendant upon the installation of President Draper, and the dedication of Engineering Hall,

The Secretary presented the following opinion, which he had, by order of the Board, obtained from the Attorney General:

STATE OF ILLINOIS,
ATTORNEY GENERAL'S OFFICE.

SPRINGFIELD, ILL., September 21, 1894.

W. L. Pillsbury, Secretary, Etc., Urbana, Ill.

DEAR SIR: In reply to your communication of the 19th inst., I would say that I am of the opinion that the Trustees of the University of Illinois are without power to grant the right to any railroad company, whether using cars propelled by steam, electricity, or horse power, to trespass upon the grounds of the University, neither have they any authority to grant any franchises or rights of way in or over said lands. This is a matter of very great importance to the people of the state, and it will be much better for the Trustees of the University to refer such matters as these to some other authority; just what that authority is I am not prepared to say at present, but certainly it is not the Board of Trustees.

Of course, I know nothing about what portion or part of these grounds it is desired to cross with the street railway. It may be farming lands, which would not be seriously injured, and it may be the campus, or grounds upon which the buildings are situated. The principle of law, however, applies equally to both.

Yours truly,

M. T. MOLONEY,

Attorney General.

The Board instructed the Secretary to inform the Urbana and Champaign Electric Street Railway Company that, in accordance with the opinion of the Attorney General, it must decline to give it permission to lay a track across the University grounds along the line of Wright Street extending south.

The Secretary was also instructed to report its decision in this matter to the city councils of Urbana and of Champaign.

On motion of Mr. McKay, the Board adopted the following resolution:

Resolved, That the President of the Board be instructed to request the city council of Champaign, to take measures to abate the nuisance caused by the flow of sewage in the stream running through the University grounds, and that, in the event of failure of the said city council of Champaign to abate the nuisance, the President of the Board be further instructed to consult the Attorney General as to what steps the state may take in the premises to protect its interests.

On motion of Mr. McLean, Professor Shattuck was appointed Business Agent for the year beginning September 1, 1894.

The Finance Committee made the following report which was approved:

SPRINGFIELD, ILL., September 25, 1894.

To the Board of Trustees of the University of Illinois:

GENTLEMEN:—Your Finance Committee reports that it has examined the report of your Treasurer, up to and including August 31, 1894, and finds that during the past three months the following bonds belonging to the endowment fund have been paid:

The city of Urbana, bond No. 2.....	\$1,000 00
Montgomery county, school bond No. 5.....	1,000 00
Champaign county, school bond No. 1.....	200 00
Sangamon county, school bond No. 2.....	1,000 00
Montgomery county, school bond No. 1.....	500 00
Champaign Board of Education bonds, Nos. 17 to 20 inclusive.....	2,000 00
Morgan county, school bond No. 2.....	1,000 00
	<hr/>
	\$6,700 00

We also find that there has not been any purchase of new bonds for said endowment fund, and that there is now on hand of said fund the sum of \$30,-619.50 uninvested.

Your Committee therefore recommends that the Treasurer be directed to invest said amount of endowment fund in such bonds, as the law authorizes, and that he report his action in this matter at the next meeting of the Board.

The committee finds the Treasurer's report correct and that it shows—

Balance on hand May 31st.....		\$67,468 74
Receipts to August 31st.....		197,611 77
		<u>\$265,080 51</u>
Paid out to August 31st.....		\$79,391 98
Balance on hand—		
State appropriation	\$133,142 14	
General fund.....	2,261 66	
United States fund.....	20,598 51	
Endowment fund.....	30,619 50	
United States Experiment Station farm fund.....	324 89	
	<u>\$186,946 70</u>	
Overdraft, United States Experiment Station.....	1,258 17	185,688 53
		<u>\$265,080 51</u>

Respectfully submitted,

ALEX. McLEAN

J. E. ARMSTRONG,

Finance Committee.

The Finance Committee made the following report, which was adopted:

SPRINGFIELD, ILL, September 25, 1894.

To the Board of Trustees of the University of Illinois:

GENTLEMEN:—Your Finance Committee recommends the appropriation of following amounts for the purposes named, as requested in exhibit G, presented by the Business Agent. The appropriations are for three months ending December 31, 1894:

Board expense.....	\$400 00
Salary of President and for instruction.....	23,844 00
Salaries for services.....	2,427 50
Buildings and grounds.....	1,000 00
Fuel and lights.....	2,500 00
Stationery and printing.....	400 00
Laboratories.....	400 00
Library and apparatus.....	50 00
Military department.....	50 00
Mechanical, architectural, agricultural, and horticultural departments.....	400 00
Water supply.....	125 00
Furniture and fixtures.....	200 00
Heating apparatus.....	253 24
Advertising.....	872 20
Accredited schools.....	31 09
Biological station.....	1,192 51
Art department.....	96 02
President's office.....	499 05
Incidental expense account	200 00
Total.....	<u>\$34,940 61</u>

Respectfully submitted,

ALEX. McLEAN,

JAMES E. ARMSTRONG,

Committee on Finance.

The Finance Committee made the following report which was received for record:

SPRINGFIELD, ILL, September 25, 1894.

To the Board of Trustees of the University of Illinois:

GENTLEMEN:—Your Finance Committee begs leave to state in reference to the necessary appropriations for the year ending August 31, 1895, that ex-

hibit E, presented by the Business Agent, shows estimates of income from all sources of \$198,085.59, and estimated disbursements, predicated on the present basis of expenses, amounting to \$205,235.37. The apparent deficit of \$7,-149.78 is caused by the increase in salaries, and additions to the corps of instructors, and will have to be provided for out of the future income.

The Committee calls attention to this now so that the Board may be fully advised in the premises.

The estimates are as follows:

ESTIMATED RECEIPTS AND EXPENSES FOR THE TWELVE MONTHS ENDING SEPTEMBER 1, 1896.

<i>Receipts.</i>		
Current balance September 1, 1894.....	\$2,184 26	
State appropriations September 1, 1894.....	118,615 79	
State appropriations Laboratory Natural History, September 1, 1894...	6,299 04	
United States fund, balance, September 1, 1894.....	20,346 50	\$147,445 59
Interest from endowment, etc.....	\$27,000 00	
Interest from Treasurer.....	3,000 00	
Fees from students.....	18,000 00	
Farm rents.....	2,640 00	50,640 00
		<u>\$198,085 59</u>
<i>Expenses.</i>		
State Laboratory Natural History.....	\$6,299 04	
Assignments, Paper B, State appropriation.....	81,653 96	
Assignments, Paper C, United States fund.....	346 50	
Assignments, Paper A, sundries.....	2,700 87	\$91,000 37
Board expenses.....	\$1,200 00	
Salary of President.....	7,000 00	
Salaries for instruction.....	82,660 00	
Salaries for services.....	9,075 00	
Buildings and grounds.....	3,000 00	
Fuel and lights.....	5,000 00	
Stationery, printing, and catalogue.....	2,000 00	
Departments.....	1,000 00	
Incidental expense account.....	800 00	
Laboratories.....	1,000 00	
Water supply.....	500 00	
Furniture and fixtures.....	500 00	
Heating apparatus repairs.....	500 00	114,235 00
		<u>\$205,235 37</u>

Respectfully submitted,

ALEX. McLEAN,

Chairman of Committee on Finance.

The Finance Committee made the following report, which was adopted:

SPRINGFIELD, ILL, September 25, 1894.

To the Board of Trustees of the University of Illinois.

GENTLEMEN: Your Finance Committee reports that it has examined the statement of the expenses of the Agricultural Experiment Station for the year ending June 30, 1894, and find the same correct, amounting in all to \$15,000, as per vouchers on file.

Your Committee also reports that it has examined the vouchers numbered 231 to 335, and finds the same correct.

Respectfully submitted,

ALEX. McLEAN,

Chairman Finance Committee.

The Business Agent was instructed to see whether or not he could get a reduction in the price of gas. He was further instructed, in case no reduction could be secured, to investigate and report to the next meeting of this Board upon the practicability and cost to the University of putting in a gas plant of its own.

On motion of Mr. McKay, it was voted that the President of the University, together with the Deans of the Faculty, and the Committee on Instruction, be requested to report to the Board at its December meeting, whether or not a reorganization of the courses of study in the University is desirable, with plans for reorganization, if desirable. President Draper was also directed to report whether or not it is practicable to hold examinations for entrance to the University at different points in the State, about the close of schools next June.

On motion of Mr. Armstrong, the President of the University and the Committee on Instruction were directed to correspond with Professor T. F. Hunt, of Columbus, Ohio, to see whether he might not be secured for the University professorship of agriculture, together with the positions of agriculturist of the Experiment Station, and President of its Board of Direction. Authority was given to offer Professor Hunt a salary of \$2,500 a year, in addition to the use of the house that has been occupied by Professor Morrow.

On motion of Mr. Bullard, it was voted that the President of the University be requested to prepare a concise statement of the work and the needs of the University, to be presented for use in connection with our application to the next General Assembly for appropriations.

President Draper stated that he had a communication from Dr. Burrill, accompanied by papers, setting forth the requests of the several departments of the University for appropriations. The papers were referred to the committee on legislation.

President Draper also stated that he had a communication from Professor Forbes with regard to the appropriation needed for the Biological Station at Havana; this paper was also referred to the committee on legislation.

The Secretary presented a communication from Professor McMurry, on which no action was taken.

The Business Agent presented the following report:

UNIVERSITY OF ILLINOIS, September 25, 1894.

N. W. Graham, Esq., Chairman Board of Trustees, University of Illinois,

SIR: I have the honor to hand you herewith the financial statements for the quarter ending August 31, 1894, being—

Paper A, a showing of the current appropriations.

Paper B, representing the condition of the state appropriations, September 1.

Paper C, the same for the United States fund.

Paper D, a list of vouchers presented for audit, 1176 to 1650 inclusive.

Paper E, an estimate of receipts and expenses for the twelve months ending September 1, 1895.

Paper F, the same for the three months ending December 1, 1894.

Paper G, a list of appropriations required for the three months ending December 1, 1894.

PAPER A—CURRENT APPROPRIATIONS.

June 5 and August 1, 1894.	Appropriated.	Receipts appropriated.	Expended.	Balance.
Board expense.....	\$500 00	.....	\$393 11	\$106 89
Salaries for instruction { Current.....	16,058 33	.....	{ 8,483 71	16 45
Salaries for instruction { State.....			{ 7,558 17	
Salaries for services.....	1,650 00	.....	1,637 34	12 66
Buildings and grounds.....	300 00	\$11 00	296 65	14 35
Fuel and lights.....	1,500 00	.....	405 85	1,094 15
Stationery, printing, and catalogues.....	1,200 00	.....	1,039 65	160 35
Preparatory school.....	325 00	212 50	532 00	5 50
Mechanical department.....	300 00	230 46	504 12	26 34
Architectural department.....	100 00	1,391 91	1,260 72	231 19
Agricultural department.....	.....	269 21	114 12	155 09
Horticultural department.....	.....	103 55	90 37	13 18
Military department.....	50 00	.....	17 03	32 97
Laboratories.....	500 00	714 73	888 52	326 21
Library and apparatus.....	50 00	.....	29 08	20 92
Incidentals.....	200 00	18 92	114 76	104 16
Minnesota lands.....	100 00	45 85	75 36	70 49
<i>Sundries—</i>				
Heating.....	777 00	.....	523 76	253 24
Water supply.....	125 00	.....	125 00	.....
Furniture and fixtures.....	200 00	.....	102 26	97 74
Advertising.....	1,000 00	.....	127 80	872 20
Accredited schools.....	31 09	.....	.....	31 09
Commencement.....	200 00	.....	200 00	.....
Biological Station.....	1,800 00	.....	607 49	1,192 51
President's office.....	500 00	.....	95	499 05
Art department.....	18 00	.....	21 98	46 02
Music and piano.....	268 00	.....	207 50	60 50
World's Fair exhibit.....	110 79	.....	110 79	.....
Technograph.....	59 47	.....	59 47	.....
Music fees.....	.....	602 00	602 00	.....
South farm.....	36 18	700 00	14 49	721 69
Treasurer's expenses.....	116 72	.....	116 72	.....
Summer school.....	1,465 50	.....	1,458 25	7 25
Military scholarships.....	180 00	.....	180 00	.....
American Agricultural Colleges and Experiment Stations.....	15 00	.....	15 00	.....
Model school.....	300 00	.....	.....	300 00

PAPER B—STATE APPROPRIATIONS.

August 31, 1894.	Received.	Expended.	Balance.	Assigned.
Closed out.....	\$57,701 14	\$57,701 14	.....	.....
Cabinets.....	1,000 00	905 61	\$94 39	\$94 39
Furnishing and heating Natural History Hall.....	6,000 00	5,311 44	688 56	688 56
Boilers and coal house.....	6,500 00	.....	6,500 00	6,500 00
Engineering building.....	160,000 00	92,965 78	67,034 22	67,034 22
Applied mechanics.....	472 00	.....	472 00	472 00
Civil engineering.....	233 00	30 00	202 91	202 91
Psychology.....	200 00	21 53	178 47	178 47
Botany.....	450 00	104 85	285 15	285 15
Library.....	5,500 00	4,578 37	921 63	921 63
Zoölogy.....	1,200 00	49 72	1,150 28	1,150 28
Architectural department.....	325 09	151 60	173 40	173 40
Geology.....	500 00	44 05	455 95	455 95
Chemical Laboratory ventilation.....	700 00	667 05	32 95	32 95
Buildings and grounds.....	700 00	666 60	33 40	33 40
Mechanical engineering.....	4,000 00	1,193 74	2,806 26	2,806 26
Electrical engineering.....	5,550 00	5,123 65	426 35	426 35
Salaries for instruction.....	7,558 17	7,558 17	.....	.....
Pharmacy desks.....	350 00	151 96	198 04	198 04
Chemical laboratory.....	500 00	500 00	.....	.....
Unassigned.....	36,961 83	.....	36,961 83	.....
Total.....	\$296,401 14	\$177,785 35	\$118,615 79	\$81,653 96
Illinois State Laboratory of Natural History.....	\$15,313 26	\$9,014 22	\$6,299 04	\$2,805 04

PAPER C—UNITED STATES FUND.

	Received.	Expended.	Balance.	Assigned.
<i>Year ending June 30, 1893.</i>				
Before reported on.....	\$17,663 09	\$17,663 09		
Agricultural lectures.....	250 00	153 55	\$96 45	\$96 45
Veterinary department.....	86 91	81 68	5 23	5 23
Total	\$18,000 00	\$17,898 32	\$101 68	\$101 68
<i>Year ending June 30, 1894.</i>				
Before reported on.....	\$11,456 87	\$11,456 87		
Testing laboratory.....	1,700 00	1,671 47	\$28 53	\$28 53
Geology.....	300 00	195 34	104 66	104 66
Zoölogy.....	1,000 00	995 19	4 81	4 81
Civil engineering.....	950 00	949 88	12	12
Mechanical engineering.....	3,093 13	3,093 13		
Architecture.....	500 00	393 30	106 70	106 70
Total	\$19,000 00	\$18,755 18	\$244 82	\$244 82
<i>Year ending June 30, 1895.</i>				
Unassigned.....	\$20,000 00		\$20,000 00	

The Board is requested to make the following assignments:

From United States fund, salaries for instruction.....	\$10,000 00
From State appropriations, salaries for instruction.....	12,000 00
From State appropriation, buildings and grounds	1,000 00

Respectfully submitted,

S. W. SHATTUCK,
Business Agent.

C. G. Hopkins's bill of expenses incurred in attending the meeting of the Board, at the request of the committee appointed to secure a chemist for the Experiment Station, was ordered paid from the Experiment Station funds. The amount was \$59.69.

The Board adjourned.

W. L. PILLSBURY,
Secretary.

N. W. GRAHAM,
President.