

MEETING OF DECEMBER 13, 1892.

The board met in the University Parlor, Urbana, at 3:30 o'clock p. m., Tuesday, December 13, 1892. There were present Messrs. Bullard, Cobb, Funk, Graham, McKay, Rabb, and Shawhan; absent, Governor Fifer, and Messrs. Bryant, Clemens, McLean, and Morgan.

The minutes of the meeting of September 13th, and of the adjourned session of that meeting, held November 15th, were approved.

The regent presented his report.

REGENT'S REPORT.

To the Board of Trustees, University of Illinois.

GENTLEMEN: In accordance with your requirements I present the following quarterly report of the condition and affairs of the University for the period since your last regular meeting.

It is pleasant to be able to state that good progress has been made and that an excellent spirit animates and strengthens the work undertaken. No claim is made that perfection has been reached in regard to attention to duty, or in considerate propriety of demeanor; but no case of serious neglect of a student's proper work, or of willful disorder, has come to my knowledge. I think it is a prevalent feeling among the young men and women enrolled that attendance at the University is a signal privilege, and that it is distinctly to their advantage to help in every possible way in the daily progress of the great institution organized for their benefit. Certainly this should be the case, and it seems to me the internal management of affairs should be based upon the assumption that it is and must be the normal condition of things. Then exceptions may be treated as they deserve without modification of the general rule.

The enrollment for the year now reaches 642 names. Of the number who have on record their selection of courses nearly sixty per cent. are in the engineering college. The most rapid advance among these courses is in electrical engineering, in which two years ago but a single student was registered, and last year 29. This last number is now considerably more than doubled.

STUDENTS' ORGANIZATIONS.

The numerous organizations among the students have been maintained with much enthusiasm, both in the lines of culture and improvement in literary and technical matters and in social privileges and enjoyments. A new society has been formed among the chemists and the young women have been permitted to establish a chapter of a Greek letter organization. Preceding the Thanksgiving recess much attention on the part of the students was given to field sports under the direction of the instructor, and they feel greatly encouraged by their progress and success. Mr. Hall has been very efficient in his department and has the hearty good will of all the students. He had the misfortune to receive a serious injury to his wrist in a game of foot ball, but his hand is now out of the sling and will soon be again serviceable. Several others had

quite severe injuries during autumn in this game, and such injuries must be counted drawbacks to the otherwise popular and advantageous sport. The class work in the gymnasium, now in progress, is well attended and bids fair to be excellent in quality and results. It has finally been decided to have the gymnasium practice for young women in military hall upon certain days of the week. It is expected that their practice will begin with the next term.

The students composing the University Glee Club and the Mandolin and Guitar Club, as well as the athletic organization, are preparing to give public entertainments at home and in some of the accessible towns of the State. These cost much in time and energy and must conflict to some extent with regular class work; but the value to the participants may offset their losses, and the advertisement of the University must be helpful. The presentations will assuredly be of a high order, and in that respect of much credit to the institution. The first appearance of the musical organizations occurred before a large and appreciative audience last Friday evening at Mattoon.

SHORT COURSE IN AGRICULTURE.

Provisions have been made for a short winter course in agriculture, and considerable advertisement of the fact has been secured. It has been proposed to furnish practical and theoretical instruction, free of expense, to all who apply for this course. It is announced that candidates should be 18 years of age, but no other conditions or requirements are imposed for entrance. Besides the regular classes taught by the specialists in the agricultural college, courses of lectures will be given by several members of the faculty, and to some extent by others invited to do so. This course ought to attract a good attendance, and the indications we have point in this direction; but former failures of like efforts to reach considerable numbers of young farmers make it hazardous to predict great success this time. At all events, the endeavor is worth all its costs.

UNIVERSITY EXTENSION.

A circular has been issued announcing 21 lecture courses in the university extension series for the present scholastic year. Fifteen members of the faculty are thus advertised as ready to carry to the public information they have gained as specialists in their several departments. Only one course has been commenced, which is by Professor Frederick, at Streator. Inquiries have been received from various localities, but definite arrangements have not been made for other courses. It is thought desirable to take more active measures to establish courses in easily accessible towns, if a sufficient number of requests do not come without this effort. To this end a communication from the faculty on the subject is herewith submitted, and your consideration of this request is solicited.

NATURAL HISTORY HALL.

The dedication of the new Natural History Hall took place November 16th, with addresses by Dr. David S. Jordan, President of the Leland Stanford Junior University, by Professor N. H. Winchell, of the University of Minnesota, and by Professor William Trelease, of Washington University. A large audience gathered to hear these addresses and to witness the formal ceremonies of the dedication, as well as to inspect the building, which was then thrown open to visitors for the first time. The beautiful and commodious structure was much admired, and praises of the architect and of the contractor were heard upon every side. To Professor Ricker must be given the credit for the elegant design, and for the substantial construction. The building is believed to be commendable from all points of view, a credit to your committee on buildings and grounds, and a lasting memorial to the high excellence and practical efficiency of the school of architecture in the University.

The completion of the heating and plumbing of the building has been much delayed. The men are still at this work, and it is anticipated that the transfer of the departments of botany, zoölogy, and geology to the building will take place during the holiday recess.

HEATING APPARATUS.

I am sorry to state that much trouble has been experienced with the general heating apparatus. The tubular boilers, which were repaired during the summer, leak altogether too much for the highest efficiency, and the escaping steam makes much annoyance in the boiler room. Where the fault lies I cannot say, but am told that the gaskets cannot be held closely upon the mouths of the tubes, because of the uneven corrosion of the iron in some cases, and warping of the parts in others. The new boiler seems to give satisfactory results, though doubts are held as to the system of connection with the buildings. It has not been possible to warm the Chemical Laboratory, even with the mild weather we have had, for a long time after the steam was turned on, and then only by opening the radiators and permitting the accumulated water to run out instead of returning to the boiler. The coils of steam pipe, upon which most dependence is placed in heating the laboratory rooms, are in very bad condition, a fact unknown to me until after the trouble about heating the building was recently reported. It is almost, or quite, impossible to get at these coils to repair them. This makes the trouble a serious one, to which attention ought to be given as early as possible. While the radiators in the new building may be, and probably will be, entirely suitable for the required use, it must be feared that the boiler connections here will give the same trouble as at the Chemical Laboratory. This, however, is a matter between your committee on buildings and grounds and the contractors. The danger herein feared is that successful arrangements will not be completed in time for the occupancy of the building at the beginning of next term. This danger must not befall us if it can in any way be avoided.

The hose for the roof of University Hall, ordered at your last meeting, is on hand and ready for service.

INSTRUCTION.

Instruction is now given in the University by 22 professors, 4 assistant professors, 10 instructors and 2 fellows, all having charge of distinct classes, and by 6 regular assistants aiding the foregoing. Besides this, special aid is obtained in several cases from advanced students, who are employed for the purpose. This is a large corps of instruction, and, as the members of it are, in several and particular, notably competent and heartily in earnest, the work must be well done. Evidence to this end is apparent everywhere. Perhaps it cannot be claimed that, as a body, the instructors are superior to those of other similar institutions of learning in general, but it is confidently asserted that no such institution has more devoted or harder working teachers or leaders in the special departments to which they are severally assigned. The work is done without complaint, though in numerous instances it is too hard for the best results in the long run. In nothing else does the university so emphatically exist and in nothing else must its excellence be so measured as in the quality and inspiration of the instruction. Hence all else should be sacrificed if need be before the energy and enthusiasm of the teachers are reduced by overwork or discouraging treatment. As the number of students increases and as the courses of instruction are developed more teaching must be provided. In importance, this seems to me to be the very first thing demanding the attention and energy of your board. Every advance made in the grade of instruction, every building added for occupancy, means increased expenditure of current funds. The amount now available for running expenses is inadequate to existing demands, to say nothing of advancement. If the University is

to grow, it must have more money coming to its treasury. The maximum salaries now paid are lower than they should be, and you will probably agree with me that some not maximum should be raised at the end of the current year.

The remarkable increase in numbers of students in the engineering courses especially calls for further instructors in these lines. The drawing and descriptive geometry of the freshman class demand a permanent teacher with an assistant, and further aid is essential in the course of mechanical engineering. The shops of this latter department are altogether inadequate in kind and extent, and more assistance is evidently required in instruction. Both the course of instruction and the equipments therefor in physics should be largely extended, and a course of laboratory instruction in physiology is a needed improvement. On the literary side, the offering in history should be largely increased; while a chair of political economy is an exceedingly desirable addition. The library ought to be at least doubled in its number of books within a few years, and its treasures should be rendered accessible to teachers and students by much fuller indexing and by giving to all opportunity to consult the books on their shelves—a thing now impossible for want of room.

As an indication of what other state universities have done, and are doing, for their libraries; the following statistics, recently furnished by Professor Crawford, are of interest:

NAME.	Volumes in library.	Annual expenditure for books.	For administration.
Michigan University.....	83,000	\$7,500 00	\$6,050 00
Wisconsin University.....	26,000	4,000 00	2,000 00
Cornell University.....	110,000	15,800 00	9,818 00
Minnesota University.....	28,077	* 4,264 00	2,075 00
Indiana University.....	15,887	+ 2,000 00	1,800 00
Iowa University.....	22,000	‡ 2,500 00	1,600 00
Nebraska University.....	20,000	4,000 00	2,150 00

* In 1892.

+ \$6,000 in 1891.

‡ \$10,000 in two years.

Wisconsin is spending this year \$5,000 additional for the purchase of books on history and economies.

Nebraska will enter a new library building January, 1894.

The introduction of the so-called seminary method of instruction, especially in literary and philosophical subjects, is urgently important and ought not to be delayed a moment longer than is absolutely necessary. In this whole matter, applicable alike to many departments, one essential to success is proper room for expansion and development. Your attention is already directed to this and I am sure it will receive your earnest consideration.

These are slight references to the growing needs of the University as it now is, or as the natural development of the present departments require. What has been said indicates the necessity for more funds for current expenses. The accounts of the treasurer and the estimates of the business agent show that we cannot go on as we have been recently doing without more available means. The expenses of the last two years considerably more than equal the estimated receipts for the next two years, upon the basis of present resources. The urgency of the demand for money is thus made apparent, even if advance beyond the present status is not undertaken. Bridling every lofty ambition and rationally considering even the most modest requirements of the times and circumstances, it seems to me an appeal to the legislature should be made at its next session for double the amount heretofore received for annual expenditure, and that this item should be kept to the front, notwithstanding the need and hopes for at least three new buildings.

Further aid in instruction for next term is urgently needed in freshman mathematics and in mechanical drawing. During the present term it was found practically impossible for Professor Myers to do all the work required in the former subject and one class was given to Mr. Thompson. For the next term this is also impracticable as both algebra and geometry must be taught in the preparatory classes. Probably the same necessity for more teaching force will exist in the spring term. I respectfully ask that leave be given to secure one or more instructors for the subjects named at a maximum cost of \$300.00 for each term. For further request for aid in the department of mechanical engineering I refer to the report of Professor Scribner herewith submitted.

It is an honored custom in institutions of learning to confer upon distinguished members of a faculty the title of professor *emeritus* when such persons retire from the active duties and responsibilities of chairs made eminent by their occupancy. Following this idea I take this opportunity of asking you to consider the name and services to the University of Dr. John M. Gregory, the first regent of the University, of whom and of whose work you all know. His studies in political and social sciences make him prominent among specialists in these subjects and indicate the propriety of naming him professor *emeritus* of political economy. This may be understood as a compliment to him and at the same time as an honor to the University in still connecting his name with its affairs, without implying service or salary.

It gives me pleasure to inform you that Professor Hills has been promoted by the Secretary of War to a captaincy—a well deserved honor. As it would be very disadvantageous to us to have a change made now in the military instruction, efforts have been made to have Captain Hills' detail here continued for the period originally made. His promotion does not necessarily cause his removal from his present position, and we hope he may not be ordered away.

As it is impossible for him to meet the students for recitation at any other hour than from 3 to 4 o'clock it is likewise impossible for him further to divide his classes in drill regulations. According to the proposal made at your last meeting and referred to me for report I recommend that an instructor be provided at an expense of not over \$30.00 for the term.

Quite separate and apart from the foregoing, but very desirable now as an addition to existing features of the University, stands the organization of a law school. This is not a new subject to you, but is not the time ripe for a movement in that direction? There are about fifty students now in the University who would like to take a course in law here if the instruction could be furnished. The school is asked for by influential members of the legal profession and it is believed the movement would receive the endorsement of their entire body. The equipment need not be large, compared with that of the technical departments, and the instruction would not be of an expensive kind. There seems to be nothing in the location or in the nature of things to prevent an excellent outcome to an effort of this kind. The only apparent obstacle in the way is the want of means for founding and support. It seems to me a proper presentation to the legislature would be likely to meet a favorable reception from the fact that so large a proportion of that body belongs to the profession of the law. Such a school could be taken care of without a special building, if the present quarters are relieved to the extent hoped for by provisions for the engineers and for the library. The main thing to start with in the way of equipment would be a library, and this should be a good one, for which a liberal appropriation should be asked.

A school of pharmacy ought to be organized soon, in connection with the chemical department. This would be the natural development of what we already have and of the instruction already undertaken. The rooms in the third story of the Chemical Laboratory will accommodate the department so that the only cost for the establishment of the school would be that for furnishing and equipment. Of course the instruction

would need to be provided, though a considerable part of what would be demanded is now given.

For your information upon a subject which came before you last winter, I will state that a movement is on foot to consolidate two leading colleges of medicine in Chicago and to make the combined institution a department of Chicago University. This may have a bearing upon the question of establishing a medical department in connection with the University of Illinois.

I submit the annual farm report from Professor Morrow:

FARM REPORT.

UNIVERSITY OF ILLINOIS, Dec. 10, 1892.

Dr. T. J. Burrill, Acting Regent,

SIR: I present the following report of the financial operations of the University farm for the year ending December 1, 1892:

FINANCIAL STATEMENT FOR 1892.

Receipts for the year.....	\$3,151 53	
Expenditures for year.....	3,698 14	
Balance against farms.....		\$546 61
Inventory salable property, Dec. 1, 1891.....	\$13,165 00	
Inventory salable property, Dec. 1, 1892.....	9,835 00	
Reduction during year.....		3,330 00
Balance against farm for year.....		\$3,876 61
<i>Receipts.</i>		
Live stock—		
Cattle.....	\$1,284 41	
Horses.....	270 00	
Hogs.....	549 13	
Dairy products.....	359 78	
Poultry.....	5 75	
		\$2,469 07
Field products—		
Wheat.....	\$292 70	
Hay.....	80 13	
Other grains.....	97 09	
		\$469 92
Work.....		168 99
Miscellaneous.....		43 55
Total receipts.....		\$3,151 53
Balance.....		546 61
		\$3,698 14
<i>Expenses.</i>		
Labor.....		\$2,028 83
Lumber, paints and labor.....		491 66
Machinery, hardware and repairs.....		260 57
Live stock account.....		679 14
Harness.....		61 90
Seeds.....		71 91
Binding twine, etc.....		29 80
Black-mithing.....		20 50
Miscellaneous.....		53 83
Total.....		\$3,698 14

The cost of re-roofing, painting, and otherwise repairing the large barn on the stock farm, and of other repairs of permanent character, would, if deducted, bring receipts and expenses about together.

Financial Statement—Concluded.

<i>Inventory Dec. 1, 1892.</i>		
Live stock—		
Horses, 14 at 100.....	\$1,400 00	
Colts, 11 at \$65.....	715 00	
Pony.....	35 00	
		\$2,150 00
Pure bred cattle—		
Shorthorns.....	46	
Herefords.....	10	
Holsteins.....	12	
Jerseys.....	2	
	70 at \$35....	2,450 00
Steers and calves, 20 at \$15.....		300 00
Hogs, 55 at \$8.....		440 00
Poultry.....		10 00
Total live stock		\$5,350 00
Farm products—		
Hay, 200 tons at \$7.....	\$1,400 00	
Corn, 4,250 bushels at 34 cents.....	1,445 00	
Oats, 800 bushels at 30 cents.....	240 00	
Ensilage, fodder, straw, etc.....	300 00	
Accounts and miscellaneous.....	100 00	
		\$3,485 00
Implements and machinery.....		1,000 00
Total inventory.....		\$9,835 00

Compared with the inventory of last year this shows a reduction of \$3,330. This remarkable reduction is due to the valuation put upon the cattle, which are now estimated at their value without reference to their purity of breeding. For several years past the pure bred cattle industry has been greatly depressed. The valuation of the University herds has been reduced year by year, but until now they have been kept above what they would sell for as grade or common stock. While there has been a slight improvement in the demand for best fat cattle there is almost no demand for pure bred stock for breeding stock. The 70 head of pure bred cattle, now valued at \$2,450, would properly have been appraised at from \$7,000 to \$10,000 eight years ago.

This showing is unfavorable, but after years of hoping for improvement, I have come to share the belief of many stock men that there is little hope of improvement in the near future, and to believe that it will be wisest to reduce the herds to small proportions as rapidly as may be. All bull calves for the year have been castrated and the female stock sold for beef during the year have necessarily been at prices much below the moderate valuation placed upon it a year ago. We have a much larger stock of farm products than one year since, the crops of the year having been fairly good notwithstanding the remarkably wet spring, which increased the cost of cultivation. The attacks of the army worm caused a loss of probably near 1,000 bushels of oats.

Respectfully submitted,

G. E. MORROW.

I present also the report of the board of direction of the Agricultural Experiment Station, with my approval of its recommendations.

AGRICULTURAL EXPERIMENT STATION.

Prof. T. J. Burrill, Acting Regent of the University of Illinois,

DEAR SIR: The board of direction of the Agricultural Experiment Station, of the University of Illinois, makes this report of its work for the past three months and these recommendations.

The accompanying papers give the financial statements:

Paper A is a statement of the expenditures for the quarter ending September 30, 1892.

Paper B is a list of the warrants drawn during the same quarter, and with it are the vouchers for audit, No. 1 to 63, inclusive, except No. 14.

Paper C is a statement for expenditures for the current quarter up to December 1.

Paper D is a statement of the estimates for the quarter ending March 31, 1893.

The board of trustees is asked to make appropriation of station funds according to these estimates.

The Board of Direction will continue much of the work already authorized and asks authority to undertake new work as follows:

1. To investigate economic methods of fattening heifers and dry cows in winter.
2. To compare stable and shed feeding of cattle in winter.
3. To investigate economic methods of wintering work horses.
4. To ascertain whether butter with the requisite commercial flavor can be had by churning sweet, ripened cream.

Respectfully submitted,

G. E. MORROW,

President Board of Direction.

PAPER A—STATEMENT OF EXPENDITURES FOR THE QUARTER ENDING
SEPT. 30, 1892.

Board expense.....	\$3 00
Books and publications.....	49 62
Botanical apparatus.....	60 63
Bulletins and report.....	48 75
Chemical apparatus.....	145 39
Fuel and lights.....	50 00
Incidentals.....	1 75
Printing, stationery, and postage.....	10 75
Salaries.....	1,943 33
Tools and supplies.....	26 18
Wages and Teams.....	1,248 44
Sundry experiments—	
Beet and wheat experiments.....	10 30
Dairying experiments.....	13 85
Total.....	\$3,611 99

PAPER C—STATEMENT OF APPROPRIATIONS, EXPENDITURES AND BALANCES
FOR QUARTER ENDING DEC. 31, 1892.

	Appropriated.	Expended.	Balances.
Buildings and repairs.....	\$25 00		\$25 00
Board expenses.....	40 00		40 00
Books and periodicals.....	250 00		250 00
Botanical apparatus.....	10 00		10 00
Bulletins.....	350 00		350 00
Chemical apparatus.....	75 00	\$30 00	45 00
Fuel and lights.....	100 00		100 00
Incidentals.....	25 00		25 00
Printing, stationery, and postage.....	25 00		25 00
Salaries.....	1,985 00	1,323 32	661 68
Seeds and trees.....	20 00		20 00
Tools and supplies.....	25 00		25 00
Wages and teams.....	900 00	442 20	457 80
Sundry experiments—			
Dairying experiments.....	100 00	8 09	91 91
Wheat and other experiments.....	50 00		50 00
Columbian Exposition work.....	50 00		50 00
Total.....	\$4,030 00	\$1,803 61	\$2,226 39

PAPER D—ESTIMATES FOR THE QUARTER ENDING MARCH 31, 1893.

Buildings and repairs	\$25 00
Board expenses.....	40 00
Books and publications	50 00
Botanical apparatus.....	10 00
Bulletins.....	750 00
Chemical apparatus.....	50 00
Fuel and lights.....	100 00
Incidentals.....	25 00
Printing, stationery, and postage.....	25 00
Salaries.....	1,985 00
Seeds and trees.....	100 00
Tools and supplies.....	25 00
Wages and teams.....	800 00
Sundry experiments—	
Dairying experiments.....	150 00
Exhibit at Columbian Exposition.....	50 00
Total.....	\$4,185 00

APPROPRIATIONS ASKED.

At the last meeting several requests for appropriations of money were referred to committees, of which I was a member, and I present herewith the recommendations of these committees:

For the college of engineering, an Amsler's Planimeter and an Amsler's Integrator.....	\$150 00
For apparatus in experimental mechanical engineering.....	400 00
For microscopes for zoölogical department.....	400 00
For casts, photographs, etc., for school of art and design.....	30 00

The Faculty asks for the special sums named below for the purposes indicated. Communications upon each of these subjects accompany the requests:

For university extension purposes	\$100 00
For a university journal or bulletins, \$500 per annum, but for this year.	100 00

The following requests are made as shown, with explanatory reasons given in the several papers:

By Professor Ricker, as dean of the college of engineering, aid to the Technograph.....	\$100 00
By your committee on library, for periodicals for 1893.	100 00
By Professor Shea, for physical apparatus.....	500 00
By Professor Shea, for electrical laboratory.....	1,229 00
By Professor Talbot, for an extensometer.....	135 00
By Professor Talbot, for material for testing laboratory.....	40 00
By Professor Baker, for repairs of instrument.....	25 00
By Professor Baker, for drawing tables	12 00
By Professor McIntosh, for <i>materia medica</i> specimens..	40 00
By Professor Palmer, for repairs to photographic rooms.....	75 00
By Professor Moss, for photographs, maps, etc.....	150 00

Leave to order needed supplies and apparatus is asked as follows:

By department of chemistry.....	\$1,000 00
By department of physics.....	1,750 00
By department of electrical engineering.....	8,100 00
By department of botany	200 00
By department of psychology.....	1,350 00

I respectfully ask the privilege of securing needed extra instruction for the winter, not exceeding \$300.

Respectfully submitted,

T. J. BURRILL, *Acting Regent.*

The board then adjourned to 8 o'clock a. m., Wednesday.

SESSION OF WEDNESDAY.

The board met pursuant to adjournment.

The treasurer, Mr. Bunn, presented his report, which was referred to the finance committee.

TREASURER'S REPORT.

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

1892.	<i>Dr.</i>			
September 6	To balance.....			\$89,478 02
" 30	To amount received on account buildings and grounds.....	\$12 00		
" 30	" " " agricultural department.....	521 06		
" 30	" " " horticultural department.....	84 45		
" 30	" " " university fees.....	4,175 00		
" 30	" " " preparatory year.....	425 00		
" 30	To rent Griggs farm.....	320 00		
October 1	To interest on Jasper county bonds.....			5,587 51
" 8	" " land contract No. 47, M. Hubka.....			187 50
November 1	" " Sangamon county school bonds.....	\$84 00		27 33
" 8	" " Cass county school bonds.....	216 67		
" 10	" " Douglas county school bonds.....	600 00		
" 30	To amount received on account buildings and grounds.....	20 00		900 67
" 30	" " " mechanical department.....	184 61		
" 30	" " " architectural department.....	1,591 54		
" 30	" " " agricultural department.....	985 18		
" 30	" " " horticultural department.....	88 75		
" 30	" " " chemical laboratory.....	250 00		
" 30	" " " Minnesota lands.....	90 00		
" 30	" " " university fees.....	1,670 50		
" 30	" " " preparatory year.....	635 84		
				5,536 42
				<u>\$101,667 45</u>
1892.	<i>Cr.</i>			
November 30	By amount paid on account board expense.....	\$280 08		
" 30	" " " salaries.....	3,198 97		
" 30	" " " buildings and grounds.....	102 32		
" 30	" " " fuel and lights.....	748 52		
" 30	" " " stationery and printing.....	233 61		
" 30	" " " preparatory year.....	570 00		
" 30	" " " mechanical department.....	284 02		
" 30	" " " architectural department.....	1,179 49		
" 30	" " " agricultural department.....	1,354 52		
" 30	" " " horticultural department.....	10 27		
" 30	" " " military department.....	50		
" 30	" " " laboratories.....	880 73		
" 30	" " " library and apparatus.....	15 91		
" 30	" " " incidental expenses.....	78 90		
" 30	" " " <i>Illini</i>	\$93 33		\$8,937 84
" 30	" " " furniture and fixtures.....	66 31		
" 30	" " " gymnasium.....	105 75		
" 30	" " " university extension.....	24 10		
" 30	" " " library cases.....	132 45		
" 30	" " " accredited schools.....	6 00		
" 30	" " " farm barn.....	5 20		
" 30	" " " art department.....	25		
" 30	" " " Minnesota lands.....	168 01		
" 30	" " " water supply.....	100 00		
" 30	" " " premium on bonds.....	3,212 00		
" 30	" " " Natural History Hall.....	1,200 00		
" 30	" " " dedication Natural History Hall.....	219 50		
" 30	" " " heating apparatus.....	61 13		
				5,384 08

Treasurer's Report—Concluded.

1892.		<i>State Appropriations—</i>			
November	30	By amount paid on account	buildings and grounds.....	\$817 99	
"	30	"	" apparatus and materials.....	167 90	
"	30	"	" mechanical and architect's shops.....	552 14	
"	30	"	" books and publications.....	10 99	
"	30	"	" cabinets.....	31 40	
"	30	"	" expenses of instruction.....	6,449 88	
"	30	"	" heating Military Hall.....	76 31	
"	30	"	" Natural History Hall.....	15,015 58	
"	30	"	" heating and furniture for Natural History Hall.....	5,755 91	
"	30	"	" metallurgical laboratory.....	14 32	
"	30	"	" State Laboratory of Natural History.....	1,296 22	
"	30	"	" United States fund.....		\$30,188 64
		Balances—			7,491 38
		Current funds.....		\$7,159 92	
		State appropriations.....		29,183 54	
		United States fund.....		13,322 10	
					49,665 56
					<u>\$101,667 45</u>

URBANA, December 13, 1892.

JOHN W. BUNN, *Treasurer.*

The treasurer also reported that he had bought \$6,000 of Mattoon five per cent., twenty year, school bonds, paying therefor \$150 premium and \$30 accrued interest; and he asked for an appropriation of \$180. This amount was appropriated from current funds.

On motion of Mr. Cobb, it was voted that in section 6 of the plan of organization of the Agricultural Experiment Station, adopted March 21, 1888, the words "by the president of the board of trustees, and countersigned by the president of the board of direction of such station," be stricken out, and that in their place these words be inserted: "As are university warrants issued for other purposes, in payment of bills approved by the president of the board of direction."

The committee on instruction made the following report:

To the Trustees of the University of Illinois,

GENTLEMEN: Your committee on instruction begs leave to report that in consideration of his services as regent of this University, Dr. John M. Gregory be elected professor *emeritus* in political economy, without for the present assignment to duty or salary, and that the regent be instructed to notify Dr. Gregory of his election.

Respectfully submitted,

F. M. MCKAY,
HENRY RAAB, } *Committee on Instruction.*
G. R. SHAWHAN, }

On motion of Mr. Cobb the report of the committee was accepted and the election was made as recommended.

The business agent, Professor Shattuck, presented his report:

BUSINESS AGENT'S REPORT.

UNIVERSITY OF ILLINOIS, Dec. 18, 1892.

S. A. Bullard, Esq., President of the Board of Trustees, University of Illinois.

SIR: I have the honor to hand you the following papers due from me at this time:

Paper A, a statement of current appropriations for the three months ending November 30, 1892.

Paper B, a statement of state appropriations, November 30, 1892.

Paper C, a statement of the United States fund.

Paper D, a list of vouchers presented for audit, being 1,076 to 1,375, inclusive.

Paper E, an estimate for the nine months ending September 1, 1893.

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

The board is requested to make appropriations for the estimated expenses of these three months as given in this paper.

It is also requested to make appropriations for the bills in paper G and the last two items of paper A. The expenditures were authorized by the board, but no sums appropriated for them.

The following assignments from the state appropriations and the United States fund are asked for:

State, buildings and grounds, general repairs.....	\$400 00
State, mechanical and architectural shops, salaries, power, etc..	550 00
State, instruction.....	6,000 00
United States fund, salaries for instruction.....	4,000 00
Total.....	\$10,950 00

Attention is also requested to paper H, a communication from the Urbana & Champaign Electric Street Railway Company.

Respectfully submitted,

S. W. SHATTUCK,

Business Agent.

PAPER A—CURRENT APPROPRIATIONS.

Sept. 13 and Nov. 15, 1892.	Appropriated.	Receipts also appropriated.	Expended.	Balance.
Board expenses.....	\$500 00		\$280 08	\$219 92
Salaries for instruction.....	15,995 00		1,826 54	1,398 72
{ Current.....			6,449 88	
{ State.....			6,319 86	
{ U. S. fund.....			1,372 43	292 57
Salaries for services.....	1,665 00		102 32	129 68
Buildings and grounds.....	200 00	\$32 00	748 52	751 48
Fuel and lights.....	1,500 00		233 61	166 39
Stationery and printing.....	400 00		570 00	510 84
Preparatory year.....		1,080 84	284 02	100 59
Mechanical department.....	200 00	184 61	1,179 49	612 05
Architectural department.....	200 00	1,591 54	1,354 52	351 72
Agricultural department.....	200 00	1,506 24	10 27	262 93
Horticultural department.....	100 00	173 20	50	99 50
Military department.....	100 00		880 73	19 27
Laboratories.....	650 00	250 00	15 91	34 09
Library and apparatus.....	50 00		78 90	121 10
Incidentals.....	200 00			
<i>Sundries.</i>				
<i>Illini.</i>	93 33		93 33	
Furniture and fixtures.....	230 00		66 31	163 69
Gymnasium.....	200 00		105 75	94 25
Gymnasium for women.....	120 00			120 00
University extension.....	100 00		24 10	75 90
Library cases.....	122 45		122 45	
Accredited schools.....	81 30		6 00	75 30
Farm barn.....	112 88		5 20	107 68
Art department.....	40 50		25	40 25
Students' welfare committee.....	30 00			30 00
Band music.....	25 00			25 00
Minnesota lands.....	80 92	90 00	168 01	2 91
Water supply.....	100 00			
Premium on bonds.....	3,212 00		3,212 00	
Natural History Hall.....	1,200 00		1,200 00	
Dedication of Natural History Hall.....			219 50	
Heating apparatus.....			61 13	

PAPER B—STATE APPROPRIATIONS.

	Received.	Expended.	Balance.	Assigned.
Taxes on Minnesota lands	\$3,044 23	\$3,044 23		
Buildings and grounds	5,000 00	3,771 74	\$1,228 26	\$213 26
Apparatus and material	3,400 00	2,232 40	777 60	273 31
Mechanical and architectural shops	4,000 00	2,052 14	1,447 86	184 07
Books and publications	2,000 00	1,191 19	808 81	808 81
Cabinets	500 00	215 34	284 66	284 66
Expenses of instruction	40,000 00	26,449 88	13,550 12	13,550 12
Heating Military Hall	3,500 00	3,107 17	392 83	392 83
Natural History Hall	60,000 00	60,000 00		
Heating and furniture for same	10,000 00	6,826 91	4,173 09	4,173 09
Metallurgical laboratory	4,000 00	3,967 57	32 43	32 42
Total	\$135,044 23	\$112,348 57	\$22,695 66	\$9,912 58
Illinois State Laboratory of Natural History	15,650 27	9,162 39	6,487 88	2,758 26

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	1,856 23	\$143 77	\$143 77
Total	\$15,000 00	\$14,856 23	\$143 77	\$143 77
<i>Year Ending June 30, 1891.</i>				
Before reported on	\$13,810 00	\$13,810 00		
Architectural department	1,430 00	1,233 59	\$196 41	\$196 41
Geological laboratory	60 00	44 42	15 58	15 58
College of engineering	700 00	700 00		
Total	\$16,000 00	\$15,788 01	\$211 99	\$211 99
<i>Year Ending June 30, 1892.</i>				
Before reported on	\$12,307 00	\$12,307 00		
Library	2,000 00	1,186 84	\$813 16	\$813 16
Architectural department	233 00	154 37	78 63	78 63
Mechanical department	1,100 00	1,003 40	96 60	96 60
Civil engineering department	260 00	260 00		
English literature	150 00	30 23	119 77	119 77
Chemical department, desks	350 00	350 00		
Metallurgical laboratory	100 00		100 00	100 00
Physical laboratory	500 00	408 96	91 04	91 04
Total	\$17,000 00	\$15,700 80	\$1,299 20	\$1,299 20
<i>Year Ending June 30, 1893.</i>				
Salaries for instruction	\$9,000 00	\$6,319 86	\$2,680 14	\$2,680 14
Mining engineering department	50 00		50 00	50 00
Agricultural department, lectures	250 00	13 00	237 00	237 00
Unassigned	8,700 00		8,700 00	
Total	\$18,000 00	\$6,332 86	\$11,667 14	\$2,967 14

On motion of Mr. Cobb, assignments were made as follows:

From state appropriation for buildings and grounds, for general repairs	\$400 00
From state appropriation for mechanical and architectural shops, for salaries, power, etc.	550 00
From State appropriation for instruction	6,000 00
From U. S. fund for instruction	4,000 00

On motion of Mr. Cobb, appropriations were made from current funds for the expenses of the next three months:

Board expenses.....	\$500 00
Salaries for instruction.....	\$15,995 00
Salaries for services.....	1,765 00
Buildings and grounds.....	300 00
Fuel and lights.....	2,000 00
Stationery and printing, etc.....	400 00
Laboratories.....	400 00
Library and apparatus.....	50 00
Incidentals.....	200 00
Mechanical department.....	200 00
Architectural department.....	200 00
Agricultural department.....	200 00
Horticultural department.....	100 00
Military department.....	100 00
Gymnasium, balance.....	214 25
University extension, balance.....	75 90
Water supply.....	100 00
Furniture and fixtures, balance.....	163 69
Students' welfare committee, balance.....	30 00
Accredited schools and certificates, balance.....	200 30
Band music.....	25 00
<i>Ullini</i> subscription.....	186 67
Art department.....	40 25
Total.....	\$23,846 06

Appropriations were also made from current funds

For dedication of Natural History Hall.....	\$219 50
For repairs of heating apparatus.....	61 13
For hose for roof of University Hall.....	20 00
For insurance on arms.....	23 47
For expenses of delegate to meeting of Association of Am. Agricultural Colleges and Experiment Stations.....	52 95

The communication from the Urbana and Champaign Electric Railway Company, with regard to a waiting house on Green street, in front of University Hall, was referred to the regent and the committee on buildings and grounds, with power to act, and \$100 was appropriated from current funds, which the committee may use if found necessary.

It was voted that interest on land contracts should be collected promptly.

From current funds \$300 was appropriated, on motion of Mr. Shawhan, for additional instruction during the winter term.

On motion of Mr. Raab, \$100 was appropriated from current funds for university extension work.

It was voted not to make an appropriation for the University Extension Magazine.

On motion of Mr. McKay, \$100 was appropriated for the publication of a university journal or bulletins.

On motion of Mr. McKay, \$100 was appropriated for the *Technograph*, the University to have a page of free advertising.

On motion of Mr. Raab, \$100 was assigned from the United States fund for the purchase of periodicals for the library.

On motion of Mr. Cobb, leave was given to order supplies and apparatus for the chemical laboratory to the amount of \$1,000. Also, leave was given to order supplies and apparatus for the botanical laboratory to the amount of \$200.

On motion of Mr. Cobb, Professor Shea, the business agent, and the regent were given authority to order, for the department of physics and electrical engineering, supplies and apparatus to the amount of \$4,000.

All these orders for supplies and apparatus are to be made to be paid for after the 1st of July.

Eight hundred dollars was appropriated from the United States fund for the use of the department of physics and electrical engineering, to be expended by Professor Shea, the business agent, and the regent.

Forty dollars was appropriated from the U. S. fund for the testing laboratory.

Thirty-seven dollars from state appropriation for apparatus and material was appropriated for civil engineering.

One hundred and fifty dollars from the U. S. fund was appropriated for the purchase of a planimeter and an integrator for the engineering college.

From the U. S. fund \$40 was appropriated for *materia medica* for the veterinary department.

From the U. S. fund \$400 was appropriated for the purchase of microscopes for the zoological department.

From the U. S. fund \$400 was appropriated for the use of the mechanical department.

From state appropriation for apparatus and material \$30 was appropriated for the use of the art department.

Two hundred dollars was appropriated from the state appropriation for apparatus and material for procuring apparatus to be used in experimental psychology.

On motion of Mr. Cobb, assignments of funds of the State Laboratory of Natural History were made as follows, for the quarter ending March 31, 1893:

For field, office, and incidental expenses.....	\$375 00
For salaries and assistance.....	875 00
For publication of bulletins.....	125 00

Assignments of Experiment Station funds and authority to undertake new work were granted, as asked in the report of the board of direction of the Station.

Authority was also given the board to order for the laboratories of the Station, on satisfactory bids, chemical supplies and apparatus to the amount of \$225, and botanical supplies and apparatus to the amount of \$50.

The committee on buildings and grounds made the following report:

To the Board of Trustees of the University of Illinois.

GENTLEMEN: Your committee on buildings and grounds reports in regard to the petition of the women students asking the trustees to erect a women's dormitory and boarding hall, that it thinks it impossible, with the present income and the large increase of appropriations required in the educational department, to undertake this matter in the near future.

We believe this work might be undertaken by the citizens of Champaign and Urbana with prospect of results that would be as creditable to them as useful to the University, the board of trustees being in entire sympathy with such a movement.

We further report that we have had drawn new plans and have had estimates prepared for three new buildings in accordance with your instructions. The short time allowed enabled us to prepare sketches in the simplest form only, but the estimates have been carefully made.

The library building is designed with book rooms in the central part, and the reading rooms in the wings.

The building, with book rooms and one wing, can be erected for..	\$125,000
The second wing may be added at a later date for.....	70,000
The museum building will cost.....	90,000
The engineering building will cost.....	160,000

These estimates include heating, apparatus, and furniture.

The expense incurred in this work has been \$90, and we ask that this amount be appropriated for that purpose.

We recommend that Professor Ricker be paid the balance due on his contract as architect of Natural History Hall—\$250.

We ask that \$250 be appropriated for gas fixtures for Natural History Hall, to be used under the direction of the committee and architect.

The heating apparatus and plumbing contracts for Natural History Hall will be completed before the next meeting of this board. We ask that you empower your committee to accept the work and pay for the same when satisfactorily completed.

Your board failed to appropriate the \$1,500 asked in our report of Sept. 13th, and we ask you now to appropriate this sum to be used on building and on heating and furnishing as may be needed. This amount will complete the work as there reported.

Respectfully submitted,

S. A. BULLARD,
NELSON W. GRAHAM,

Committee on Buildings and Grounds.

On motion of Mr. Cobb the report of the committee was accepted, appropriations were made as asked in the report, and authority was given to accept and pay for the heating and plumbing of Natural History Hall when satisfactorily completed.

The committee to which the request of the Academy, that it be permitted to admit women students as members, made a report, and, on motion of Mr. McKay, the board declined to grant the request of the society.

The special committee on legislation made the following report:

APPROPRIATIONS TO BE ASKED OF THE LEGISLATURE.

To the Board of Trustees of the University of Illinois.

GENTLEMEN:—Your committee on legislative appropriations begs leave to make the following report:

We have made a careful estimate of the expenses of the University for the years 1893 and 1894, and the needs of the University for several special expenses, to be provided for by special appropriations as follows:

	1893.	1894.	1893-94.
For current expenses—			
Taxes.....	\$1,600 00	\$1,600 00	
Current repairs and improvements, etc.....	4,000 00	4,000 00	
Apparatus and materials in laboratories.....	1,500 00	1,500 00	
Instruction in shops.....	2,500 00	2,500 00	
Library, books, and publications.....	5,000 00	5,000 00	
Museum, collecting and mounting specimens.....	1,000 00	1,000 00	
Instruction in departments.....	40,000 00	40,000 00	
Equipment in the several departments.....	4,400 00	4,400 00	
Total.....	\$60,000 00	\$60,000 00	\$120,000 00
For law department.....	20,000 00	20,000 00	40,000 00
For new buildings—			
Engineering building.....	80,000 00	80,000 00	
Library building.....	62,500 00	62,500 00	
Museum building.....	45,000 00	45,000 00	
Total.....	\$187,500 00	\$187,500 00	375,000 00
Special appropriations—			
Furnishing and heating Natural History Hall.....			10,000 00
Enlarging heating apparatus.....			3,000 00
Two new boilers.....			3,500 00
Total.....			\$551,500 00

Respectfully submitted,

S. A. BULLARD,
ALEX. MCLEAN,
N. W. GRAHAM, } *Committee.*

The report was approved except as to the item relating to a law department.

A petition from the students with regard to additional equipment in the college of engineering, was referred to the committee on legislation.

On motion of Mr Graham, it was voted that when the board adjourns, it adjourn to meet in Springfield at the call of the president.

The committee on finance made the following report:

To the Board of Trustees of the University of Illinois.

GENTLEMEN: Your committee on finance recommends with regard to Professor Burrill's salary as acting regent, that he be paid \$100 more on account of services for the year ending August 31, 1892; and that from that date his salary be at the rate of \$1,200 a year.

Respectfully submitted,

ALEX. MCLEAN,
NELSON W. GRAHAM, } *Finance Committee.*

On motion of Mr. Cobb, the report of the committee was accepted, and it was ordered that Prof. Burrill be paid as acting regent in accordance with the recommendation of the committee.

Board adjourned.

W. L. PILLSBURY,
Secretary.

S. A. BULLARD,
President.