MEETING OF DECEMBER 11, 1888.

The Board of Trustees of the University of Illinois met in the University parlor, in Urbana, at 3 o'clock p. m., December 11, 1888: Present, Messrs. Bennett, Cobb, Eisenmayer, McLean, Millard, Pullen, and Shawhan; absent, Governor Oglesby, and Messrs. Clemens, Edwards, Dysart, and McKay.

The minutes of the last meeting were approved.

The standing committees were then called and they had no reports to make.

The Regent was then invited to read his report.

REGENT'S REPORT.

To the Trustees of the University of Illinois.

Gentlemen: The present year opens favorably, the number of students enrolled is 387. There has been a steady increase in attendance during the last three years, and the present enrollment is larger than at any one time in the history of the University. There is little doubt but that the year's enrollment will be larger than in any previous year. What, however, is deemed of more vital consequence, is the marked improvement in the character and scholarship of those who have been admitted this fall. Both of these items indicate a healthy condition of the University and are guarantees of still greater progress. While this advance is due partially to the general prosperity of the country which sends many students to institutions of higher education, it is also very largely the consequence of the work done throughout the State by the professors and the Regent of the University in attending gatherings of teachers and farmers, visiting schools, giving lectures, etc., etc. The servteachers and farmers, visiting schools, giving lectures, etc., etc. The service is laborious, but the good results are apparent.

THE EXPERIMENT STATION

has taken much time and attention. It is now fully organized, and the preliminary work is completed. The warehouse, in the midst of the experimental grounds, is finished and occupied. It is a plain, convenient wooden structure, over a brick cellar, plastered in the cellar and the first story. It has cost \$2,260.02, against an estimate of \$3,000.00. A small

building has been erected for storage and handling of fertilizers at a cost of \$90.07. Improvements have been made in the upper story of the chemical building, in fitting up the office, library, chemical laboratory, putting in blinds, reconstructing skylights to allow of better ventilation, etc., etc., at a cost of \$632.57. The total expenditures for buildings and repairs on the Station account has been \$2,982.66.

Other expenditures for books, chemical and botanical apparatus, furniture, salaries, labor, seeds, tools, etc., etc., have been made, as authorized, and the whole amount of \$15,000, the congressional appropriation for the year ending June 30, 1888, is exactly accounted for, as will appear by exhibits and vouchers, which will be presented by the Board of Direction. The Board of Direction will also present for your approval its accounts for the last quarter, the current quarter, and its plans and estimates for the next quarter.

THE ANNUAL FARM REPORT OF THE PROFESSOR OF AGRICULTURE

is herewith presented. This report appears to have been carefully and conscientiously made. While the inventory shows a growing amount of stock, it has been valued in accordance with the descending scale of prices which even the best blooded stock commands, and for that reason no material increase appears in the inventory.

SWINE PLAGUE.

Professor Burrill has been complimented by the United States Commissioner of Agriculture by an appointment upon an important commission connected with that department. The appointment is but for a temporary purpose, and it is believed that its duties may be performed without interfering seriously with his work in the University and Experiment Station. The subject to be investigated is the disease known as Swine Plague. It is one in which agricultural science and the University has a large interest, and I trust that authority may be given to Professor Burrill to give the necessary time and attention to its discussion.

KNOXVILLE MEETING.

An important meeting of those connected with the agricultural experiment stations will be held at Knoxville, Tenn., beginning on New Year's Day. This University will be entitled to two delegates, one to represent the Agricultural College and one the Experiment Station. I recommend that the delegates be appointed and that a suitable sum be appropriated toward the payment of their expenses.

THE PARIS EXPOSITION.

Communications have been received from the United States Commissioner of Agriculture and his subordinates, asking the aid of the University in making a suitable representation of the educational facilities of this country, particularly as to agriculture, at the Exposition to be held at Paris, during the next season. It seems hardly advisable that the University should undertake a distinct exhibit, so far from home, as it has done in several instances nearer by. A collection of photographs of its buildings and work rooms, with statements of courses of study, etc., etc., might be made at a moderate cost, which might be worth the doing. Leave to expend in this way from \$50 to \$100, as you may think wise, is respectfully asked.

ASSIGNMENTS AND APPROPRIATIONS.

The following are asked, from special or general funds, as indicated:

From state appropriation for cabinets: For collection of bryozoans for geological museum. For collection of fungi for botanical museum. For expenses of Professor Rolfe in procuring material from Springfield	\$100 00 104 78 16 40
From state appropriation for building and grounds: For boiler repairs, grate-bars, tubes, etc. For care of grounds, cleaning, etc. For repair of walk to north barn.	\$221 18 160 00 100 00 50 00
From state appropriation for mechanical shops: For power, etc., in shops (quarterly assignment)	\$310 00 150 00
From state appropriation for apparatus and material: For dynamometers, etc., for mechanical department. For models and repairs of apparatus in drawing room. For field transit for civil engineering department. For continuing collection of designs, etc., architectural drawing-room.	90 00 250 00
From current funds, For furniture	\$613 00 53 15
On account of appropriation for fuel and lights, For applying smoke consuming apparatus to furnaces in boiler house	125 00

Mr. Kimball's request for gas in the machine shop is herewith presented. The usual quarterly assignments to the State Laboratory of Natural History should be made.

Respectfully submitted,

SELIM H. PEABODY, Regent.

PAPERS PRESENTED WITH THE REGENT'S REPORT.

AGRICULTURAL EXPERIMENT STATION.

To the Board of Trustees of the University of Illinois.

GENTLEMEN: The Board of Direction asks authority to undertake the following named stock-feeding, dairying, and horticultural experiments. These experiments are all within the lines of work already approved by Board of Trustees:

Stock Feeding—

Pigs, age of, as affecting cost of meat production.

Pigs, effect of weather and shelter upon their growth and condition.
Pigs, value of wheat as a food for.
Pigs, value for, of the undigested food they get from cattle when following them.
Ensilage, value of, for horses, steers, and young cattle.

Dairying Experiments—

Ensilage, its value for milch cows in comparison with dry foods. Ensilage, its effect upon the quality of milk and butter.

Milk, tests to ascertain its butter value. Milch cows, effects of warming water for.

Tree Culture-

Trees, testing time and methods of transplanting.

Orchard fruits, production of new varieties.
Orchard fruits, testing the effects of stock on cion and cion on stock.
Native fruits, testing and improving.
Fruits, testing methods of preservation.

Greenhouse Experiments—

Coleuses, testing and identifying varieties. Geraniums, testing and identifying varieties.

The Board of Direction asks authority to expend during this quarter for furniture (stoves and chairs) for chemical laboratory and warehouse, \$100; and an additional sum of \$50 for fuel and lights.

To carry on the operations of the Experiment Station for the quarter ending March 31, 1889, authority is asked to make the following expenditures:

Board expense	\$ 50	
Books and periodicals	150	
Binding same Building and repairs.	200	
Building and repairs	50	0
		0
Chemical apparatus and material	50	()
ruel and lights	100	0
Printing stationery and nostage	25	(
alarieseeds and trees	1,950	Ċ
seeds and trees.	100	(
ools	50	
Vages.	700	Č
Stock feeding and dairving experiments.	100	Č
Stock feeding and dairying experiments	75	Č
_		_
Total	\$3 ,950	1

The Board of Direction presents this completed

Statement of Expenditures for the year ending June 30, 1888.

Books and publications	\$3,241	
otanical apparatus, supplies, and fixtures. Suildings and repairs.	752	
Guildings and repairs	2,982	60
illierins	150	
hemical apparatus, supplies, and fixturesxpenses of Board	3, 159	
xpenses of Board	128	
ertilizers	191	30
urniture and fittings for office and library	885	61
ncidentals	106	56
ncidentals	221	90
rinting, stationery, and postage	243	4
alaries	1.525	00
eeds and trees.	226	2
ools	302	80
Vages and teams	901	79
	07× 000	_
Total	\$15,000	U

The following exhibits are presented:

Exhibit A. Completed list of expenditures for the quarter ending September 30, 1888.

Exhibit B. Statement of appropriations for the current quarter and of expenditures to November 30, 1888.

Exhibit C. List of warrants with vouchers to November 30, 1888.

Respectfully submitted,

W. L. PILLSBURY, Secretary.

SELIM H. PEABODY, President.

FARM REPORT.

University, December 8, 1888.

Dr. S. H. Peabody, Regent.

DEAR SIR: The financial operations of the University farms for the year ending December 1, 1888, may be summarized as follows:

Receipts for the year	\$4,416 91 3,788 99	Change Sand Street Street Control of Street Street Control of Street Street Street Street Street Street Street
Excess of receipts		\$627 92
Inventory of personal property, December 1, 1888	\$15,530 00 15,430 00	
Increase during year		\$100,00
Balance to credit of farms		\$727 92

A classified list of receipts, expenditures, and property inventoried accompanies this.

The receipts and expenditures are considerably smaller than in former years. The latter have been reduced because less stock has been purchased, and it has been possible to lessen the cost of labor. The receipts have been lessened chiefly because less stock has been sold.

The season has been favorable; the crops have been above the average; the live stock on the farm is, as a whole, more in number and better than ever before, yet the total valuation of this property is almost exactly what it was one year ago. The explanation is in the steady depreciation in the value of cattle, especially pure bred cattle. If valued at the rate of even one year ago, the total would be increased at least \$2,000.00; if at the rate that would have been proper three years ago, the inventory would be some \$5,000.00 greater than it now is.

The farm work is in good condition, except that not all the corn has been harvested. The weather has been more than usually favorable for stock, and with very few exceptions our animals are in good health and condition. Should there be any improvement in the market for pure bred cattle, we shall be in better condition to supply it than ever before.

Financial Statement for 1888.

		1
Receipts-Live stock-		i
Cattle	\$1,280 32	
Hogs	410 00	
Ho sesPoultry	20 50	
Field products-		\$2,481 57
Hay	\$878 89	
Corn	188 55	
WheatOats	453 00 19 80	
Seeds	39 46	
Feed and pasture	71 25	1,650 95
Work of teams		1,000 95
Rent		89 00
Miscellaneous		18 30
Total	l	\$4,416 91
Pananaca Tahan	Ø7 400 00	
Expenses—LaborLive Stock—	\$1,498 90	•••••
Cattle		
Hogs 71 00 Horses 148 00		•••••
	842.85	
Feed-	1	
Corn\$499 14 Oats		
Bran, etc. 121 10		
	717 07	
Machinery. Building, repairs, hardware	412 57 141 88	
Seeds	68 60	
Miscelaneous	107 12	
Total		3,788 99
Credit balance		\$627 92
		WO21 32
Inventory, December 1, 1888.		
Live_Stock-	-	
Horses, 11—8 mares all bred, 3 geldings. 4 col's—2 yearlings, 2 weanlings Cattle, 69 Shorthorns @ \$75		\$1,750 00 325 00
Cattle, 69 Shorthorns @ \$75.	5,175 00	325 00
7 Holsteins @ \$100	700 00	
6 Herefords @ \$150	900 00 300 00	••••••
	300 00	7,075 00
Grade cattle—9 yearling steers	\$250 00	
5—a cow, 2 neiters, 2 calves	75 00	325 00
Hogs, 80		615 00
Poultry		25 00
Total live stock		\$10,115 00
Field Products—	§	
Hay, 170 tons	\$1,300 00	
Oats, 1.750 bushels @ 23 cents.	400 00	
Hay, 170 tons. Corn, 4,500 bushels @ 27 cents Oats, 1,750 bushels @ 23 cents. Timothy seed, 200 bushels @ \$1.50.	300 00	
Ensilage, straw, fodder	400 00	•••••
Total grains, seeds, and feed		3,615 00
Total grains, seeds, and feed	· · · · · · · · · · · · · · · · · · ·	1,800 00
		@1F F00 00
Total 1888.		D10.000 00
Total 1888. Total 1887.		\$15,530 00 15,430 00
		15,430 00
Total 1888. Total 1887. Gain.		\$100 00

As requests that I attend and address Farmers' Institutes and other agricultural meetings are coming to me in considerable numbers, I respectagricultural meetings are coming to me in considerable numbers, I respectfully ask an expression from the Board of Trustees as to their wish in this matter. In so far as such work can be done without injury to the work at the University, I believe it desirable, and I am willing to do all that is practicable. With the additional work caused by the Agricultural Experiment Station, and the fact that the time of Mr. Hunt, who last winter very satisfactorily conducted my class-work during my absence at institutes, is now fully occupied in Station work, it will be impossible for me to do so much as I did one year ago.

Respectfully submitted.

G. E. Morrow, Professor of Agriculture.

The vouchers of the Experiment Station were referred to the Auditing Committee; the farm report, to the Farm Committee.

Professor Shattuck presented his report as Business Agent:

DECEMBER 11, 1888.

S. M. Millard, Esq., Pres. of the Board of Trustees, University of Illinois.

SIR: I have the honor to hand you herewith the usual financial statements due from me for the three months ending November 30, 1888.

Paper A shows the condition November 30th, of the current appropriations for the six months ending February 28, 1889.

Paper B gives the condition of the state appropriations November 30th.

Paper C is a list of vouchers presented for audit, being 901-925 old series, and 1-175 new series.

Paper D is an estimate of current funds and receipts for the nine months ending September 30, 1889.

Respectfully submitted,

S. W. SHATTUCK, Business Agent.

Paper C and the vouchers were referred to the Auditing Committee.

Papers A and B are as follows:

CURRENT APPROPRIATIONS.

Six months ending Feb. 28, 1889.	Appropriated.	Receipts also appropriated	Expended.	Balance.
Board expenses. Salaries for instruction {State Current	1,610 00 25 00 2,000 00 350 00 200 00 200 00 200 00 200 00 50 00	100 76 60 00 114 82 1,240 14 107 15	723 77 105 39 633 03 130 53 449 54 1,660 61 1,116 94 135 73 26 50 524 40	} 10,780 69 886 23 5 61 1,467 73 219 47
Sundries— Furniture and fixtures	200 00 15 50	625 00 3,507 25	200 00 15 50 18 24	6 76 225 01

STATE APPROPRIATIONS.

	Appropriated.	Received.	Expended.	Balance
Taxes on lands (½ p°r annum)	\$3,500 00 4,000 00 3,000 00 3,0 0 00 2,000 00 32,000 00 3,000 00 4,000 00	4,000 00 3,000 00 3,000 00 2,000 00 32,000 00	\$3,128 85 \$1,03 97 2,235 00 1,500 67 1,403 14 25,458 09 2,144 31 2,001 33	596
Illinois State Laboratory of Natural History	\$54,500 00		\$41,065 36 8,747 18	\$13,063
The recommendations of the	_		n taken	up.
On motion of Mr. Cobb there	was as	signed		
From the tate appropriation for cabin For collection of bryozoans for zoölogical For collection of fungi for botani al museu For expenses of Professor Rolfe in p ocuri	ets: museum mng material	from Spri	ngfield	\$100 104 16
Total				\$221
On motion of Mr. McLean th	ere was	assigned	d	<u>' </u>
From the state appropriation for building For boiler repairs, gate-bars, tubes, etc. For care of gounds, cleaning, etc	ng and grou	ınds:		\$160 100 50
Total				
On motion of Mr. Cobb there	was as	signed		I
From the state appropriation for mecha For power, etc., in shops	inical shops	3:		\$150
On motion of Mr. Cobb there	was as	signed		
From the state appropriation for appar For dynamometers and other apparatus fo For models and repairs of apparatus in dr For field transit for civil engineering depa For continuing collection of designs, etc., For furniture.	atus and mar the mecha awing room rtment in architect	aterial: nical shops ural drawi	ng room	\$173 90 250 100 53
Total				\$666
The recommendation of the l	Regent t	hat ther	e be used	1
				ı

was approved.

The communication from Mr. Kimball was, on motion of Mr. McLean, referred to the executive committee.

Mr. McLean offered the following motion, which was adopted:
—3 U. I.

Resolved, That the following appropriations from the state appropriations for the Laboratory of Natural History be made for the quarter ending March 31, 1889:

For the improvement of the library. 22 For the pay of assistants. 75	50 00 50 00 50 00 75 00
--	----------------------------------

And that the President and Secretary be directed to draw the necessary requisition for the sum of thirteen hundred and twenty-five dollars from the proper fund to pay the above named appropriations.

On motion of Mr. Cobb, authority was granted the Board of Direction of the Experiment Station to undertake experiments as set forth in the report made by the President of that Board.

On motion of Mr. McLean, the Board of Direction was authorized to expend moneys in carrying on the operations of the Station according to the requests and estimates presented in the same report.

Professor Burrill's request, presented in the Regent's report, was referred to the Executive Committee.

The Regent and Professor Morrow were appointed to represent the Agricultural Experiment Station and the Agricultural College at the meeting of persons connected with agricultural experiment stations to be held at Knoxville, Tenn., beginning New Year's day, and \$100, or so much of it as may be needed, was assigned from the funds of the Experiment Station to defray their expenses.

On motion of Mr. McLean, \$50 was appropriated from current funds to be used in making an exhibit at the Paris Exposition of next year.

The special committee on legislation reported as follows, and the report was approved on motion of Mr. Cobb:

REPORT ON LEGISLATION.

To the Trustees of the University of Illinois.

Gentlemen: Your committee upon Legislation respectfully reports: That it has carefully considered the needs of the University for the next two fiscal years, 1889–90 and 1890–91, and it recommends that the following sums be asked of the General Assembly:

For taxes on lands in Minnesota and Nebraska	\$1,700	per annum
For buildings and grounds	3,000	
For machine shops	2,000	4.6
For apparatus and material	1.500	• •
For books and publications	1.500	4.6
For collections of natural history	1,000	
For current expenses of instruction	25,000	
Per annum.	\$35,700	
Also, for building a drill hall.	15,000	
Also, for building a drill hall. For removing the boiler from chemical building to boiler house, enlarging same and adding necessary steam pipes and fittings, and	20,000	
for new boiler for machine shops	2,500	\$88,900

The following recommendations of the Director of the State Laboratory of Natural History are approved, and should be presented to the legislature.

For the two years ending June 30, 1891:

For field, office and incidental expenses, For improvement of library. For salaries of assistants. For publication of bulletins. For illustration of Entomological Report.	1,000 4,000 500	erannum
Total For entomological laboratory and breeding room Total appropriation for two years,	1	\$1,000 \$14,500

The above report is respectfully submitted,

S. M. MILLARD, CHAS. BENNETT, ALEX. MCLEAN, S. H. PEABODY,

The Board then adjourned to meet at the Doane House, in Champaign, at 7:30 o'clock p. m.

EVENING SESSION.

The Board met pursuant to adjournment, the same members being present as in the afternoon.

The treasurer, Mr. J. W. Bunn, presented the following report, and it was referred to the Auditing Committee.

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

1888. Sept.	11	То	b-lance.			No. 37, W. T. Gore, assignee.		\$30,352 0
		1 ::	interest	on land	contract	No. 37, W. T. Gore, assignee.		263 0
Sept.	29		amount	received	i on accu	bunuings and grounds	\$27 UU	
						laboratories	5 00	
						preparatory year	625 00 3,027 50	
		(•		3,684 5
Nov.	30	To	amount:	received	onaccou	int Agricultural Experiment		-,
						Station	\$444 45	
						buildings and grounds	57 00	
						fuel and lights	100 76 60 00	
						mechanical department	114 82	
						architectural	1.240 14	
					• •	agricultural " horticultural "	107 15	
				• • • • •		laboratories	6 00	
			• •	• •		library and apparatus	30 00	
		٠٠.	• •			University students' fees	479 75	
								2,640 0
					Cr	·.		\$36,939 6
Nov.	30	By	amount	paid on	account	board expense	\$178 71	
							3,943 71	
				"		ouildings and grounds	103 39	
		1			1	uel and lights	633 03	
		::			\$	stationery and printing	130 53	
						preparatory year	399 99	
					., 1	nechanical department	449 54	
						architectural department	$1,660 61 \\ 1,116 94$	
					1	agricultural department horticultural department	135 73	
						nilitary department	26 50	
					1	aboratories	524 40	
		٠.			•• 1	ibrary and apparatus	22 67	
				"	· · · i	ncidental expense	28 40	

Nov.	30	By a	mount	paid on	accoun	t furniture and fixtures water supply commencement expenses rifle range	\$8 77 200 00 15 50 18 24	\$24 2 51
		By a	mount	paid on	accoun	t buil lings and grounds mechanical & arch'l shops books and publications cabinets expenses of instruction apparatus and material	\$337 32 345 00 101 98 403 14 6,899 82 643 71	Ф242 5)
		Bala	"			metallurgical laboratory State Labora'y Nat. Hist	221 54 1,257 32	10,209 8 17,133 14 \$36,939 6

Urbana, December 11, 1888.

JOHN W. BUNN, Treasurer.

The Auditing Committee made the following report, which was approved on motion of Mr. McLean:

We, your committee, respectfully report that we have examined the Business Agent's report and the vouchers accompanying the same, on which University warrants Nos. 901 to 925 inclusive, and Nos. 1 ot 175 inclusive, have been drawn and find them correct as reported.

We have also examined the vouchers on which Experiment Station warrants Nos. 87 to 90 inclusive, and Nos. 183 to 241 inclusive, have been drawn and find them correct as presented.

A statement of the entire expenditures of the Experiment Station for the year ending June 30, 1888, referred to us, we have examined and recommend its approval.

We have also examined the Treasurer's report and find it correct, and that it shows a balance of seventeen thousand one hundred and thirty-three dollars and fourteen cents.

G. R. SHAWHAN, GEO. C. EISENMAYER, $\{$ Auditing Committee.

The following report of the Farm Committee was, on motion of Mr. McLean, approved:

The Farm Committee to whom was referred the report of Professor Morrow, professor of agriculture, respectfully reports that it has examined said report and finds the same satisfactory. In relation to Professor Morrow's attending institutes, the committee reports that, owing to the fact that the University has no funds to employ an assistant professor in agriculture, the interests of the agricultural classes will not permit him to attend institutes as extensively as would otherwise be desirable. The committee, however, recommends that permission be given Professor Morrow to attend six representative agricultural institutes during the present season, the same to be without expense to the University.

C. W. BENNETT, EMORY COBB, B. PULLEN,

Judge Bennett stated that the special committee on certificates could not report at this time, giving reasons therefor; and leave was granted the committee to take further time for the consideration of the subject.

Dr. Peabody's bill for \$41.85, for expenses in attending meetings of the Board and Executive Committee and in examining schools, was ordered paid from current funds.

The Executive Committee made the following report of its action since the last meeting of the Board, which was, on motion of Mr. McLean, approved:

To the Trustees of the University of Illinois.

GENTLEMEN: The Executive Committee respectfully reports the transaction of the following items of business since the last regular meeting of the Board:

Sept. 12, 1888. Appointment of John C. Jackson to be Professor of Chemistry for the year ending Sept. 1, 1889, at a salary of \$2,000 per annum.

Oct. 27, 1888. Leave given to the Regent to put water supply into the carpenter's shop and the gymnasium, at a cost not to exceed \$50.00, from state appropriation for buildings and grounds.

Nov. 27, 1888. Leave given to Committee on Library to purchase list of periodicals for the year 1889 of A. H. Roffe & Co., of Boston, at \$273.81, from state appropriation for books and periodicals.

Dec. 8, 1888. Leave given to Committee on Library to purchase odd numbers of periodicals to iill sets, at cost not to exceed \$15.00, from state appropriation for books and periodicals.

S. M. MILLARD, EMORY COBB, C. W. BENNETT,

Mr. Bennett moved that a committee of six be appointed, of which the President of the Board and the Regent shall be members, the President being chairman, which committee shall prepare a codification of the laws relating to the University, and shall have authority, at its discretion to present the same to the legislature and seek its passage.

The motion was adopted, and the chair appointed on the committee Messrs. Shawhan, Cobb, McLean, and Bennett.

Adjourned.

W. L. PILLSBURY, Secretary.

S. M. MILLARD,
President.