

## MEETING OF JUNE 10, 1890.

---

The Board of Trustees of the University of Illinois met in the University parlor, in Urbana, at 4:30 o'clock p. m., June 10, 1890.

The members present were Messrs. Bennett, Bullard, Cobb, Harker, McKay, McLean, and Shawhan; absent, Governor Fifer, and Messrs. Clemens, Edwards, Haskell, and Millard.

The minutes of the last meeting were corrected and approved.

The Regent then presented his report, as follows:

### REGENT'S REPORT.

*To the Trustees of the University of Illinois.*

GENTLEMEN: It is again permitted to report that the year drawing to its close may be considered the most prosperous in the history of the University. The attendance has been large, the order commendable. The influence of the large senior class has been wholesome and helpful. Thanks in a large measure are due to Professor Burrill for the prompt and kind manner in which he took upon himself the burdens laid upon him in the absence of the Regent, and for the careful and efficient discharge thereof. In this, as could have been predicted, he had the cordial aid of the whole Faculty. The condition of the University in all its departments, on the return of the Regent, was most gratifying.

The number of the graduating class, 44, has not heretofore been surpassed. Two are candidates for advanced degrees. Two take degrees in two courses, a thing which has not hitherto occurred. Seven only take certificates; this indicates that the action of the Trustees, which will not recognize this form of graduation after next year, was but following the trend of affairs already operative. Twelve received the Governor's commissions in the Illinois National Guard as diplomas in the military department.

### DEGREES, CERTIFICATES AND COMMISSIONS.

The following named persons have fulfilled all conditions, and are recommended by the Faculty for graduation with the degrees appropriate to their several courses of study:

#### COLLEGE OF ENGINEERING. Degree of Bachelor of Science.

##### *School of Mechanical Engineering.*

James Barr.  
Samuel Day Bawden.  
Frank Henry Clark.  
William Myers Gilliland.  
Hugh Hazleton.

David Robinson Kinkead.  
H. Wallace McCandless.  
Will Een McKee.  
Edwin Nesbitt.  
Fred Walter Waterman.

Edward S. Keene.

*School of Civil Engineering.*

Edward Mills Benson.	David Robinson Kinhead.
James Francis Clarkson.	Christopher Henry Snyder.
Robert James Cooke.	Frank John Tresise.
Clarence Lincoln Crabbs.	John Baptiste Tscharnner.
	John Franklin Fisher.

*School of Architecture.*

James McClaren White.

COLLEGE OF NATURAL SCIENCE. Degree of Bachelor of Science.

*School of Chemistry.*

Robert Wilson Cornelison.	Charles H. Shamel.
	Byron Llewellyn Moore.

*School of Natural History.*

Norman Henry Camp.	Robert Conover Wilson.
George Perkins Clinton.	George Eldorado Wilkinson.
	Orla A. Proctor.

COLLEGE OF LITERATURE AND SCIENCE.

*School of English and Modern Languages.* Degree of Bachelor of Literature.

Cleaves Bennett.	Katherine Louise Kennard.
John Beardsley.	Orla A. Proctor.
Anna Cecilia Boyle.	Linsley F. Terbush.
Lucia Ray Brumback.	Frank Dent Wilber.
	Thomas Arkle Clark.

*School of Ancient Languages.* Degree of Bachelor of Arts.

Jessie Ellars.

The following are recommended for Master's Degrees:

*In the School of Natural History.* Master of Science.

Luther Sherman Ross.

*In the School of Ancient Languages.* Master of Arts.

Myrtle Eva Sparks.

The following are recommended for the full certificate of completion of thirty-six or more University studies:

Columbus Austin Bowsher.	U. J. Lincoln Peoples.
Edith Louisa Clark.	Philemon A. Schaefer.
Gustavus Adolphus Hanssen.	Fred Worthley Stevens.
Walter Isham Manny.	

To the following the Governor of the state has granted commissions by brevet as Captains in the Illinois National Guard:

James Barr.	John Franklin Fisher.
Samuel Day Bawden.	Hugh Hazleton.
Frank Henry Clark.	Frank John Tresise.
James Francis Clarkson.	Fred Walter Waterman.
Robert James Cooke.	James McClaren White.
Clarence Lincoln Crabbs.	George Eldorado Wilkinson.

#### INSTRUCTORS.

The recommendations following are made because of the worth of successful teachers, the needs of the several departments, and the adjustment of courses, as will be explained in the several cases. I have to advise:

1. That the course of civil engineering be extended to include the following subjects: the consideration of roads, streets, and pavements, water supply and hydraulics, sewers and sewerage. I recommend that Assistant Professor Arthur N. Talbot be made a full professor with the title of Professor of Municipal Engineering. It might not be desirable in the assignment of subjects to draw lines too sharply between this chair and that of civil engineering occupied by Professor Baker. The titles will be sufficiently distinctive and the work may be adjusted between the professors as convenience may require.

2. As this will draw Professor Talbot away from part or all of the mathematical work which he has heretofore done, while the classes in that line of subjects are much crowded and demand division, I recommend that Mr. George W. Myers be made Assistant Professor of Mathematics, to take such classes as may be assigned.

3. The work of Assistant Professor Arthur W. Palmer, now in charge of the school of chemistry, has been successful and satisfactory. I recommend that he be appointed to the grade of full professor with the title of Professor of Chemistry.

4. The declination of Professor Comstock to return to the University at the end of the long vacation last year, left the work of physics unexpectedly without provision. Mr. Samuel W. Stratton had been my own assistant when that department was under my instruction, and I felt confident that the work would not suffer if intrusted to him. The year's work has proved that the selection was a safe one. Mr. Stratton is thoroughly competent, energetic and inventive. I recommend that he be appointed Assistant Professor of Physics, and that his sphere of work be enlarged from what it has hitherto covered.

5. This appointment will withdraw Mr. Stratton from the work of assistant in architecture. With the adjustments that will be offered for your approval, there will be in this place a full line of work for one instructor, pertaining partly to the school of architecture, and partly to the whole college of engineering. For this work I recommend Mr. James M. White, a graduate of the school of architecture of the present class.

6. For the place of instructor in mathematics, which will be vacated by the promotion of Mr. Myers, I recommend the appointment of Mr. Samuel D. Bawden, a graduate of the school of mechanical engineering.

7. Mr. J. V. E. Schaefer declines reappointment as instructor in the machine shop. He has done good work and we should be glad to retain him. I recommend for this place Mr. Edward S. Keene, a graduate from the same department.

8. Mr. C. Eugene Bogardus declines reappointment as first assistant in chemistry, and I recommend that Mr. H. S. Grindley be promoted to this place. Also that Mr. Robert W. Cornelison be appointed second assistant in chemistry.

I have to remind you that the chair of mining engineering was made vacant last year, and that it has not yet been filled. Before naming any person for this place I have desired to know your wishes as to continuing this department of instruction. I think that the University should maintain a department of mining engineering, but I think also that, so long as there is any question of funds, the matters already laid before you should take precedence, because they are responsive to the needs of students already here.

First Lieutenant Curtis B. Hoppin, 2d Cavalry, U. S. A., has completed the term of three years allowed by detail from the War Department. His administration of this important and difficult department has been in the most eminent degree satisfactory. He has secured the confidence of students, the support of the Faculty, and universal good will. We have sought to obtain an extension of his term of service, but without avail. He has been ordered to return presently to frontier duty. The correspondence concerning a successor will be laid before you.

#### THE COURSES OF STUDY.

Some modifications of the courses in the College of Engineering are advised as per schedule herewith [see page 150]. The important changes are as follows:

1. To give the subject of physics three terms instead of two, and to put it in the sophomore year instead of the junior, where it now stands. This change has long been desired. It will be possible if you shall appoint a professor of physics as has been recommended.

2. To place advanced descriptive geometry in the spring term of the freshman year, thus unifying the drawing of this department. The unlooked for complication of last year required the employment of a special teacher in the winter term. Fortunately, Mr. Lincoln Bush could be had when wanted, and his work was excellent. But we cannot rely upon such resources, and should so arrange our work that it may be provided for in more definite ways.

3. These changes will open the way for more professional work in the last two years of these several schools, thus:

In the school of mechanical engineering, for more shop construction, more drawing, and the study of estimates, etc.

In the school of civil engineering, for the study of the construction of roads and streets, masonry and sewerage, etc.

It does not seem advisable to disturb the courses in the other colleges now, but an opportunity will be sought in the coming year to give the subject the fullest consideration. These changes have been approved by both the special faculty of the college and by the general faculty.

# COLLEGE OF ENGINEERING—COURSES OF STUDY.

		FOR ALL STUDENTS IN THE COLLEGE.	IN MECHANICAL ENGINEERING.	IN CIVIL ENGINEERING.	IN ARCHITECTURE.
I.	1 2 3	Ad. Algebra; Projection drawing; French or German. Trigonometry; Descriptive geometry   “   “   .... Analyt. geometry                           “   “   ....	Shop practice. “	Shop practice. “	Shop practice. “
II.	1 2 3	Different calculus; Physics; French or German, optional Adv. Anal. geometry;   “   “   “   “ Integral calculus	Mechanical construction. “	Land surveying. Theory of instruments. Topography.	Wood construction. Stone, etc., construction. Sanitary construction.
III.	1 2 3	Analytical mechanics; Chemistry ..... Resistance of materials   “   ..... .....	Mechanism. Engineering materials. { Mill work. Hydraulics. <i>And one of—</i> Chemistry, Geology, Astronomy.	Railroad engineering. Roads and streets.  { Astronomy. Hydraulics. <i>And one of—</i> Chemistry, Geology.	Architectural drawing. { History of architecture. Architectural drawing. History of architecture. Graphical statics. <i>And one of—</i> Astronomy, Geology. Modeling and drawing.
IV.	1 2 3	Mental science ..... Constitutional history..... Political economy .....	{ Heat engines. Drawing. { Hydraulic engines, Estimates. { Electric motors. Drawing.	{ Geodesy. Masonry. { Bridge analysis. Mine attack. { Bridge construction. Sewerage.	{ Esthetics. Architectural perspective. { Designing. Heating and ventilation. { Designing Estimates.

## THE NEW MILITARY HALL

is completed and ready for occupation. The commencement exercises of tomorrow will be held there, preceded by brief dedicatory ceremonies. The Inspector General of the Division of the Missouri, U. S. A., reports this to be by far the best building for its purpose in the territory under his official observation.

## THE IMPROVEMENTS IN THE MACHINE SHOP.

In my report of one year ago I presented an outline of the changes which would follow the opening of the military hall, which you approved. The new building is now ready and the military equipments should be moved thither, with the gun-racks. The guns may be stored as is usual during the long vacation.

The new boiler for the shops, for which a state appropriation has been made, should be placed as soon as may be. Bids have been obtained by the professor in charge, and the work waits your approval and authority. The next step is the removal of the machine shop tools to the upper floor. All preparations have been made and the work waits only for your authority. The estimate for this work, including heating coils and steam connections, is \$1,400, as per statement of Professor Woods, herewith presented.

## CHANGES IN SHOP.

*Dr. S. H. Peabody, Regent,*

DEAR SIR: I would respectfully submit the following summarized estimate of the cost of making the proposed changes in the mechanical shops, viz., moving the machine tools into the former drill hall, using the present blacksmith shop for a boiler room, and converting the present machine shop and boiler space into smith shop and foundry.

The state appropriation of \$1,250 for a new boiler is estimated to be sufficient to cover the cost of boiler and setting in place, the chimney connections, changes in piping, removing old boiler, and whatever may be found necessary in the way of repairs and renewals of return tank and feed water heater.

The estimated cost of the changes is for—	
Erecting posts, plates, etc., for shafting.....	\$120 00
Cost of new shafting, hangers, pulleys, and belting, net.....	230 00
Removing tools and counter-shafting, and re-erecting.....	140 00
Partition across front of platform.....	90 00
Partitions and shelves for tool room.....	70 00
Stairs between upper and lower shops.....	50 00
Total cost of moving tools and equipping upper shop .....	\$700 00
Material for heating, coils, and piping, net.....	618 00
Labor in erecting heaters and piping.....	25 00
Total necessary this summer in addition to boiler .....	\$1,343 00
To complete the work there will be required for—	
Taking down forges and rebuilding.....	103 00
Taking down cupola and rebuilding.....	40 00
Removing part of brick wall of boiler room, etc.....	77 00
Removing floor from present machine shop.....	100 00
Changes at doors, steps, etc.....	29 00
Brick floor.....	136 00
Moving partitions .....	48 00
Wash-rooms and fittings .....	65 00
Engine foundations .....	60 00
Partition around engine.....	63 00
Connecting up engine.....	25 00
Total .....	\$2,089 00

The prices of materials in the above estimate are net. The chief additional cost is for labor in moving and has been carefully estimated, but it is not possible to predetermine with exactness the time necessary and therefore the cost of repairs of this character. In estimating for steam heating, I have allowed about 117 cubic feet of space to each square foot of radiating surface, which is a large proportion for an exposed building with many windows. If this radiating surface is found to be insufficient, it would be well to ceil the room on the line of the ties of the roof trusses.

*Summary.*—An appropriation of \$1,400, in addition to the state appropriation of \$1,250 for a boiler, is asked for now, leaving the balance of the work to be done during the next college year.

Very respectfully,

ARTHUR T. WOODS,

Professor of Mechanical Engineering.

June 9, 1890.

This provides only for the equipment of the upper room. The rearrangement of the lower room may wait until so much is finished, perhaps until next year. The estimate for the whole is \$2,100.

#### HEATING APPARATUS OF THE MAIN AND CHEMICAL BUILDINGS.

I present the report of Professor Woods on this subject, and fully concur in these recommendations, and ask that the appropriations called for may be made:

#### HEATING.

*Dr. S. H. Peabody, Regent,*

DEAR SIR: I would submit the following statement of the present condition and needs of the steam heating apparatus of the University.

The main building boilers have been opened and found to be in good condition. The only expenditure necessary for them this summer will be about \$15 for gaskets and perhaps \$5 for cleaning and painting.

The heating boiler in the chemical building was known to be in bad condition and has been taken down in order that a thorough examination could be made. The furnace lining must be rebuilt, twenty-five new tubes are necessary, and also a number of the small fittings such as caps, bridge-blocks, gaskets, etc. Altogether it will require an expenditure of about \$310 to put this boiler in order for next winter's work. It may be noted that very little has been spent on this boiler since its erection.

The return tank in the basement of the main building has been in bad condition for some time, and has been shored up, cemented, etc., the past winter, to enable us to keep it in operation. It has now been removed from the pit and is found to be not worth repairing. A new tank will cost, in place, about \$100. I find that we can get a tank made from an old boiler shell, which would probably last for five years, for \$65.

The appropriation now necessary to put the heating apparatus in order is, then:

Main building heaters .....	\$20 00
Chemical building boiler.....	310 00
New tank.....	100 00
Total.....	\$430 00

which may be reduced to \$395 by buying a tank made from an old boiler, as above.

Very respectfully,

ARTHUR T. WOODS,

Professor Mechanical Engineering.

June 7, 1890.

THE LIBRARY.

This department has again overtaken the provision made for the accommodation of books. I recommend that the gallery be extended across the north wall of the library room, and that the space above this wall be fitted with shelving. This will provide room for 2,500 to 3,000 volumes. Shelving beneath the gallery would encroach upon the floor space for students, which is already too much crowded. I ask the assignment of \$400 from state appropriations for buildings and grounds, or so much thereof as may be necessary, for this improvement.

The experiment made last year, of putting an assistant into the library, who should give most of his time to duty there, has proved very useful. The order has been improved, and the attendant has done much service in showing students what the library contains and where it may be found. I recommend that Mr. Cleaves Bennett be retained for the coming year.

From state appropriation for buildings and grounds I ask that \$500 be assigned for ordinary cleaning, and for painting and minor repairs in the main and chemical buildings. Also \$150 for care of grounds for the rest of the current season.

THE FARMS.

I present the usual quarterly farm report of Professor Morrow:

FARM REPORT.

UNIVERSITY, June 9, 1890.

*Dr. S. H. Peabody, Regent,*  
DEAR SIR:

The receipts from the University farms during the three months ending June 1st have been.....	\$743 31
The expenses have been.....	526 86

The receipts may be classified as follows:	
Corn.....	\$176 2
Hay.....	127 30
Pasturage.....	165 00
Cattle.....	172 00
Hogs.....	82 08
Miscellaneous.....	20 91
The expenditures may be classified thus:	
Labor.....	384 33
Pigs.....	80 40
Blacksmithing.....	15 65
Grinding feed.....	14 60
Machinery.....	14 00
Miscellaneous.....	17 88

The work of the farms is well up for the season. The live stock is in good health, and the present promise for the grass and grain crops is good.

Respectfully submitted,

G. E. MORROW.

THE EXPERIMENT STATION.

I present the quarterly report of the Experiment Station, and ask that it be concurred in:

REPORT OF EXPERIMENT STATION.

*To the Regent of the University of Illinois.*

SIR: The Board of Direction of the Agricultural Experiment Station of the University of Illinois presents these papers:



*Paper A* is a list of vouchers, Nos. 600 to 676, inclusive, for audit.

*Paper B* is a statement of the Station expenditures for the quarter ending March 31, 1890.

*Paper C* is a statement of the appropriations, expenditures, and balances June 1st for the quarter ending June 30, 1890.

*Paper D* is a statement of appropriations asked for the purpose of carrying on the work of the Station for the quarter ending September 30, 1890.

Estimates for the quarter ending Sept. 30, 1890:

Buildings and repairs.....	\$10 00
Board expenses.....	40 00
Books and periodicals.....	25 00
Botanical apparatus.....	50 00
Bulletins.....	250 00
Chemical apparatus.....	275 00
Fertilizers.....	5 00
Fuel and lights.....	80 00
Incidentals.....	25 00
Printing, stationery and postage.....	25 00
Salaries.....	1,900 00
Tools and supplies.....	35 00
Wages and teams.....	1,250 00
Sundry—	
Dairying experiments.....	25 00
Experiment with broom corn seed.....	25 00
Wheat experiments.....	60 00
Total.....	\$4,080 00

The Board of Direction asks authority to use, for such purposes as may best subserve the interests of the Station, any unexpended balances of the Station funds appropriated for this fiscal year.

Authority is asked to continue the outside wheat experiments, sowings to be made at some four points and the expense for the whole to be limited to \$125.00 for the year 1890-91.

Authority is further asked to undertake investigations—

1. To determine the feeding value of broom corn seed.
2. To determine the feeding value of apple pomace.

The Trustees are also requested to confirm the appointment of Mr. G. P. Clinton as Assistant Botanist, at a salary of \$50 per month from Sept. 1, 1890.

SELIM H. PEABODY, President Board of Direction.

#### THE STATE LABORATORY OF NATURAL HISTORY.

The Director presents the following nominations of assistants for the coming year and asks that they be approved:

Field entomologist, John Marten.....	Salary \$900 per annum
Office entomologist, Charles A. Hart.....	600
Botanist, Prof. T. J. Burrill.....	200
Stenographer, Mary J. Snyder.....	600

He also asks for the usual appropriations for the coming quarter.

#### ASSIGNMENTS.

An assignment from state appropriation for books and publications for the next year is asked for binding.....	\$180 00
From state appropriation for apparatus and material, as follows:	
For apparatus for the physical laboratory.....	250 00
For engineering instruments.....	250 00

I recommend that authority be given to employ a janitor for the department of chemistry, at the rate of twenty-five dollars per month.

All which is respectfully submitted.

SELIM H. PEABODY, *Regent*.

On motion of Mr. Bennett, the Board of Trustees authorized conferring degrees and granting certificates as recommended by the Faculty of the University, and approved the recommendations for commissions. [For lists see Regent's report.]

On motion of Mr. Cobb, the matter of putting in the new boiler and making the changes in the mechanical hall was referred to the Regent, Professor Woods, and Mr. Bullard, with power to act, expending moneys up to the limit of the estimates presented in the Regent's report.

Also, on motion of Mr. Cobb, the matter of making the repairs on the heating apparatus of the main building and the chemical building was referred to the same gentlemen, with power to act, expending moneys up to the limit of the estimates presented in the Regent's report.

The Building Committee presented the following communication from Professor Ricker as its report on the new military hall, and the communication was received for record:

URBANA, ILL., June 9, 1890.

*To the Building Committee of the Board of Trustees.*

GENTLEMEN: As the drill hall is now practically completed, a very brief report will be sufficient.

It has not been found possible to get in all the bills for labor and materials, so as to give a definite and final statement of the expenditures, but I do not think the estimated cost of any part of the work ordered at the last meeting of the Board of Trustees has been exceeded, excepting in the allowance for grading around the building, which was quite insufficient to do the work as executed, since sodding, cinder walks, steps, etc., were not included. Still the margin allowed in the appropriation will more than cover this. The drains to the shops have not been put in, chiefly from lack of time, but partly because it was thought best to finish the drill hall first, and then extend the sewers to the shops during the summer. A balance will remain from the last appropriation for drill hall sufficient to do this, if it is ordered to be done.

It is only just to say that the successful construction of the drill hall is largely due to Mr. G. W. Parker, who has acted as foreman on the building in addition to his other duties.

Very respectfully submitted,

N. CLIFFORD RICKER.

The farm report was referred to the Farm Committee.

On motion of Mr. Shawhan, it was voted that the askings of the Board of Direction of the Experiment Station as presented by the Regent be granted, including the requests for appropriations of Station funds for the ensuing quarter.

On motion of Mr. Cobb, appropriations were made:

From the state appropriation for buildings and grounds—	
For cleaning and minor repairs.....	\$500 00
For care of grounds for the next quarter.....	150 00

It was voted that there be appropriated:

From the state appropriation for buildings and grounds—	
For improvements in the library.....	\$400 00



Treasurer's Report—*Continued.*

May	31	To amount received on account	buildings and grounds..	\$27 00	
			fuel and lights.....	26 09	
			Minnesota lands.....	64 00	
			mechanical department	210 51	
			architectural ..	704 05	
			agricultural ..	743 33	
			horticultural ..	153 50	
			military ..	32 00	
			laboratories.....	452 71	
			University stud'nts' fees	2,024 00	
			preparatory year fees.	292 50	
			music fees.....	140 60	
					\$4,870 29
					\$29,694 19
			<i>Cr.</i>		
1890.	31	By amount paid on account	board expense.....	\$75 20	
May			salaries.....	6,949 00	
			buildings and grounds....	155 69	
			fuel and lights ..	490 49	
			stationery and printing....	298 00	
			preparatory year.....	624 96	
			mechanical department...	330 12	
			architectural ..	781 78	
			agricultural ..	526 86	
			horticultural ..	89 46	
			military ..	196 76	
			laboratories.....	636 41	
			library and apparatus.....	18 47	
			incidental expense .....	82 08	
			Minnesota lands.....	71 47	
					\$11,326 75
May	31	By amount paid on account	drill hall.....	\$1,828 24	
			water supply.....	100 00	
			furniture and fixtures .....	59 12	
			music fees .....	140 60	
					2,127 96
			<i>State appropriations—</i>		
1890.	31	By am't paid on acc't	buildings and grounds .....	\$155 71	
May			mechanical and arch'l shops....	450 00	
			books and publications .....	422 22	
			cabinets.....	35 91	
			expenses of instruction .....	4,433 80	
			apparatus and material .....	117 53	
			State Laboratory of Nat. Hist..	1,088 52	
					6,703 69
			Balance .....		9,535 79
					\$29,694 19

Urbana, June 11, 1890.

JOHN W. BUNN, Treasurer.

Prof. Shattuck presented his report, which was referred to the Finance Committee:

URBANA, ILL., June 10, 1890.

Alexander McLean, Esq., Pres. Board of Trustees, University of Illinois,

SIR; I have the honor to hand you herewith the financial statements due from me at this time.

*Paper A* is a statement of the current appropriations, with receipts under the same, for the three months ending June 1, 1890.

*Paper B* is a showing of the state appropriations June 1, 1890.

*Paper C* is a list of the vouchers presented for audit, being 451 to 700, inclusive.

*Paper D* is an estimate of receipts and expenses for the three months ending September 1, 1890.

*Paper E* is an estimate of receipts and expenses for the twelve months ending September 1, 1891.

Respectfully submitted,

S. W. SHATTUCK, Business Agent.

## PAPER A—CURRENT APPROPRIATIONS.

March 11, 1890.	Appropriated	Receipts also Appropriated	Expended.	Balance.
Board expense.....	\$300 00	.....	\$75 20	\$224 80
Salaries for instruction { Current.	20,915 00	.....	6,105 97	10,375 23
{ State	1,600 00	.....	4,433 80	
"    "    services.....	400 00	.....	843 03	756 97
Buildings and grounds.....	1,500 00	\$27 00	155 69	271 31
Fuel and lights.....	1,300 00	68 63	490 49	1,078 14
Stationery and printing.....	200 00	.....	298 00	1,002 00
Mechanical department.....	200 00	214 01	330 12	83 89
Architectural.....	200 00	720 01	781 78	138 23
Agricultural.....	200 00	743 33	526 86	416 47
Horticultural.....	200 00	153 50	89 46	264 04
Military.....	169 00	32 00	196 76	4 24
Laboratories.....	305 00	454 71	636 41	123 30
Library and apparatus.....	50 00	.....	18 47	31 53
Incidentals.....	200 00	.....	82 08	117 92
<i>Sundries—</i>				
Furniture and fixtures.....	100 00	.....	59 12	40 88
Water supply.....	200 00	.....	100 00	100 00
Drill hall.....	2,095 06	.....	1,828 24	266 82
Farm barn.....	172 33	.....	.....	172 33
Minnesota lands.....	100 00	64 00	71 47	92 53
Preparatory year.....	.....	417 50	624 96	.....
University students' fees.....	.....	2,909 00	.....	2,909 00
Music fees.....	.....	140 60	140 60	.....
New engine.....	96 15	.....	.....	96 15
Commencement expenses.....	200 00	.....	.....	200 00

## PAPER B—STATE APPROPRIATIONS.

	Appropriated.	Received.	Expended.	Balance.
Taxes on lands (½ per annum) .....	\$3,400 00	\$1,543 62	\$1,543 62	.....
Buildings and grounds (½ per annum) .....	5,000 00	2,500 00	2,500 00	.....
Mechanical and arch'l shops (½ per annum) ..	3,000 00	1,500 00	1,500 00	\$180 00
Books and publications (½ per annum) .....	2,000 00	1,000 00	933 12	60 88
Cabinets (½ per annum).....	1,000 00	500 00	127 68	372 32
Expenses of instruction (½ per annum).....	40,000 00	20,000 00	20,000 00	.....
Apparatus and material (½ per annum).....	3,000 00	1,500 00	1,454 14	45 86
Metallurgical laboratory (½ per annum).....	4,000 00	4,000 00	2,626 98	1,373 02
Drill hall.....	10,000 00	10,000 00	10,000 00	.....
New boiler for machine shops .....	1,250 00	1,250 00	.....	1,250 00
Illinois State Laboratory of Natural History ..	\$72,650 00	\$43,793 62	\$40,511 54	\$3,282 08
	15,123 62	9,873 62	6,693 00	3,180 62

The Committee on Minnesota Lands reported as follows, and the report was approved for record.

JUNE 10, 1890.

To the Board of Trustees University of Illinois.

GENTLEMEN: As directed by you, the Committee on Minnesota lands sent one of its number to Minnesota the middle of April last. He went over all of the University lands in Pope county, and found only small tracts of them in use except for pasture. In several instances fences had been put up for that purpose. The parties were notified that they must remove them or pay 10 cents per acre. Several persons paid this amount. The grass on several quarter sections were sold. The cash receipts from these two sources amount to \$64.

The land which had been plowed was rented when possible, notes secured by mortgages on the crop being taken. These are due October 15, 1890, and should bring in about \$400 more; but much trouble has been found in having the business of the committee completed after the visit.

No lands have been sold, and no applications for buying in tracts larger than 80 acres have been received. In most cases 40 acres is the amount wanted.

It is thought that a portion of the lands would sell at \$12 or more per acre in 40 acre tracts.

Respectfully submitted,

CHAS. BENNETT, }  
S. W. SHATTUCK, } Committee.

On motion of Judge Harker, it was moved that Messrs. Peabody, Bennett, and Shattuck constitute the Committee on Minnesota lands; that the committee be authorized to subdivide and sell the lands, and that no lands be sold for less than \$6 per acre.

The matter of granting the literary societies of the University longer time for their meetings was referred to the Faculty, with power to act.

The Committee on Buildings and Grounds reported informally upon the matter of fire escapes and the matter of flags and flagstaff, and was directed to give both subjects further consideration and to report at the next meeting.

Messrs. Bennett, McKay, and Harker were appointed a committee to prepare a resolution expressive of the Board's regard and good wishes for Lieut. Hoppin.

On motion of Judge Harker, ten dollars was appropriated from current funds to pay the University's membership fee in the Association of American Agricultural Colleges and Experiment Stations.

On motion of Mr. Bullard, there was assigned

From state appropriation for books and publications—	
For binding.....	\$180 00

On motion of Mr. Cobb, the Board adopted the following list of appointments and salaries for the ensuing year beginning Sept. 1, 1890:

*List of Appointments and salaries.*

NAMES.	POSITION.	SALARY.
Thomas J. Burrill.....	Professor of Botany and Horticulture.....	\$2,300 00
Samuel W. Shattuck.....	Professor of Mathematics and Business Agent.....	2,500 00
Edward Snyder.....	Professor of Modern Languages.....	2,000 00
N. Clifford Rieker.....	Professor of Architecture.....	2,000 00
J. D. Crawford.....	Professor of History and Ancient Languages.....	2,000 00
George E. Morrow.....	Professor of Agriculture.....	2,500 00
I. O. Baker.....	Professor of Civil Engineering.....	2,000 00
Stephen A. Forbes.....	Professor of Entomology and Zoology.....	1,000 00
James H. Brownlee.....	Professor of Rhetoric and Oratory.....	2,000 00
Charles W. Rolfe.....	Professor of Geology.....	2,000 00
Donald McIntosh.....	Professor of Veterinary Science.....	1,800 00
Nathaniel Butler, Jr.....	Professor of English Literature.....	2,000 00
Arthur T. Woods.....	Professor of Mechanical Engineering.....	2,000 00
S. Robertson Winchell.....	Professor of Latin.....	2,000 00
Arthur N. Talbot.....	Professor of Municipal Engineering.....	1,800 00
Arthur W. Palmer.....	Professor of Chemistry.....	1,800 00

NAMES.	POSITION.	SALARY.
Samuel W. Stratton.....	Professor of Industrial Art and Designing.....	\$1,800 00
George W. Myers.....	Assistant Professor in Physics.....	1,400 00
George W. Park r.....	Assistant Professor in Mathematics.....	1,000 00
Fanny M. Ryan.....	Instructor in Wood work and Foreman.....	1,200 00
Rufus Anderson.....	Instructor in Modern Languages.....	800 00
Howard S. Brode.....	Instructor in Iron work and Foreman.....	1,600 06
Harry S. Grindley.....	Assistant in Zoology.....	900 00
Robert W. Cornelison.....	First Assistant in Chemistry.....	900 00
Edward S. Keene.....	Second Assistant in Chemistry.....	600 00
James M. White.....	Assistant in Machine shop.....	750 00
Samu l D. Bawden.....	Assistant in Architecture.....	750 00
Cleaves Bennett.....	Assistant in Mathematics [Preparatory Department]	750 00
A. B. Baker.....	Assistant in Drawing.....	750 00
	Assistant Librarian.....	750 00
	Janitor.....	840 00

The Regent was, on motion of Mr. Cobb, given power to fill the vacancies.

The course of study for the College of Engineering was approved, as presented by the Regent.

The following list of appointments and salaries for the State Laboratory of Natural History was approved for the year beginning July 1, 1890:

NAMES.	POSITION.	SALARY.
Thomas J. Burrill, Ph. D.....	Botanist.....	\$200 00
Charles A. Hart.....	Office Entomologist.....	600 00
John Marten.....	Field Entomologist.....	900 00
Mary J. Snyder.....	Stenographer.....	600 00

The following appropriations were made of funds of the State Laboratory of Natural History for the quarter beginning July 1, 1890:

For field work, office and incidental expenses.....	\$250 00
For salaries and assistants.....	750 00
For improvement of the library.....	125 00

The Regent's bill for traveling expenses, \$31.60, was ordered paid from current funds.

The Board then adjourned to meet at the University, in Urbana, at 9 o'clock a. m. Wednesday.

#### SESSION OF WEDNESDAY.

The Board met pursuant to adjournment, the same members being present as on Tuesday.

The Finance Committee presented these three reports, each of which was approved for record:

URBANA, June 11, 1890.

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

GENTLEMEN: Your Finance Committee has examined the quarterly report of Jon W. Bunn, Treasurer of the University, and finds the same to be correct, and that there is cash in the treasury to the amount of \$9,535.79.

F. M. MCKAY, } Finance Committee.  
S. A. BULLARD, }

URBANA, June 11, 1890.

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

GENTLEMEN: Your Finance Committee would respectfully report that it has examined and compared the books of the Treasurer with the warrants drawn upon him for the year beginning March 1, 1889, with Nos. 426 to 873, to September 1, 1889, and Nos. 1 to 500 to March 1, 1890, and found all to be in order and correct.

The warrants have been cancelled and left in the hands of the Treasurer.

F. M. MCKAY, } Finance Committee.  
S. A. BULLARD, }

URBANA, June 11, 1890.

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

GENTLEMEN: Your Finance Committee has examined the vouchers of the University, numbered from 450 to 700, both inclusive, also vouchers of the Experiment Station Nos. 600 to 676, both inclusive, and finds them correct.

F. M. MCKAY, } Finance Committee.  
S. A. BULLARD, }

The committee appointed to prepare a resolution in regard to Lieut. Hoppin's departure, reported as follows:

*Resolved,* That the Board of Trustees of the University of Illinois sincerely regrets that the rules of the War Department require that Lieut. Curtis B. Hoppin shall sever his connection with the University.

He has brought to the discharge of all his official duties a degree of ability, tact, and fidelity, that has made his services eminently satisfactory to the students, to the Faculty, and to this Board.

His influence over the students in raising the standard of deportment and discipline has been of the most salutary character.

He leaves the University with the best wishes of this Board for his future welfare.

CHAS. BENNETT, }  
F. M. MCKAY, } Committee.  
O. A. HARKER, }

The report was adopted for record, and the Secretary was instructed to send a copy to Lieut. Hoppin.

The Farm Committee, to whom had been referred the farm report, returned it with the recommendation that it be filed.

Approved.

There was appropriated

From current funds—	
For moving gun racks.....	\$25 00
For committee on Minnesota lands .....	100 00
From state appropriation for apparatus and material—	
For physical apparatus.....	\$250 00
For engineering instruments.....	250 00



The matter of the appointment of a professor of military science and tactics was referred to the Regent and the Executive Committee, with the direction that no one lower in rank than a first lieutenant be selected.

The Board adjourned.

W. L. PILLSBURY,  
*Secretary.*

ALEXANDER MCLEAN,  
*President.*