

MEETING OF JUNE 5, 1894.

The Board of Trustees of the University of Illinois met in the University Parlor, in Urbana, at 3 o'clock p. m., Tuesday, June 5, 1894. There were present Messrs. Armstrong, Bullard, Graham, McKay, McLean, and Raymond; absent, Governor Altgeld, and Messrs. Bryant, Gore, Morgan, Morrison, and Raab.

The regent presented his report:

REGENT'S REPORT.

To the Board of Trustees of the University of Illinois.

GENTLEMEN: I take pleasure in communicating to you the recommendation of the faculty that you give authority to confer degrees as follows:

DEGREES.

COLLEGE OF AGRICULTURE. Degree of Bachelor of Science.

Herbert Hill Braucher.

COLLEGE OF ENGINEERING. Degree of Bachelor of Science.

Course in Mechanical Engineering.

Robert Alvin Wood.

Course in Electrical Engineering.

Louis William Barker,

Thomas Crawford,

Otto Emil Goldschmidt,

Thomas Jasper,

Otto Bauman,

Ferdinand John Foote,

George Herman Heideman,

Frederick Slater,

Charles Henry Trego.

Course in Civil Engineering.

Levi Patten Atwood,

Harrison Easton Beasley,

Alfred Bradford Foster,

Dietrich Herman Jansen,

Peter Mogensen,

Clyde Leslie Babcock,

Paul Chipman,

Robert Eugene Gaut,

John Albert Lowry,

Thomas Percival Walton.

Course in Municipal and Sanitary Engineering.

Richard Jay Dickinson.

Course in Mining Engineering.

John Joseph Rutledge.

Course in Architecture.

Howard Allen Browning,	Arthur Willis Bush,
Clarence James Butterfield,	Amos Cable Clark,
Albert Johannsen,	Oskar Augustus Johannsen,
John William Kennedy,	Conrad Bryant Kimball,
Ernest McConnell,	Grant Clark Miller,
Albert Charles Phelps,	Edwin Warren Stocker.

COLLEGE OF SCIENCE. Degree of Bachelor of Science.

Birch David Coffman,	Theodore Christian Frye,
Joseph Edward Hallinen,	Benjamin Baldwin Holston,
Charles Frederick Hottes,	Harrison Madison McCaskrin,
Louise Elizabeth McCaskrin,	Maude E Nichols,
Albert Schneider,	Charles Thornton Wilder.

Course in Chemistry.

Silas Jackson Eakle,	Martin Jonas Engberg,
Frederick Samuel Holbrook,	Fred William Kerchner,
Elnathan Kemper Nelson,	William Strauss,
Albert Philip Sy,	Willis Eugene Tower.

COLLEGE OF LITERATURE. Degree of Bachelor of Arts.

Pearl Boggs,	Hiram Burns Ferris,
William Grant Spurgin,	Benjamin Franklin Templeton.

COLLEGE OF LITERATURE. Degree of Bachelor of Literature.

Flora McCormick,	John McNutt, Jr.
Edgar William Morris,	Daniel C Morrissey,
Joseph Lawrence Parry,	Walter Busey Riley,
Gertrude Shawhan,	William C Tackett,
Leslie Alvord Weaver,	Fred John Weedman,
	Ola C. Woolsey.

The following named graduates of former classes have been recommended for the second degree designated:

William David Gibbs, B.S., class of 1893, Degree of Master of Science,
 Clarence Albert Shamel, B.S., class of 1891, Degree of Master of Science.
 Frank H. Eno, B.S., class of 1891, Degree of Civil Engineer.
 Alfred E. Harvey, B.S., class of 1891, Degree of Civil Engineer.
 George Perkins Clinton, B.S., class of 1890, Degree of Master of Science.
 Bruce Fink, B.S., class of 1887, Degree of Master of Science.
 Charles I. Hays, B.S., class of 1873, Degree of Master of Science.
 Clendon Vanmeter Millar, B.S., class of 1893, Degree of Master of Science.
 Joseph S. Terrill, B.S., class of 1891, Degree of Master of Science.
 Helen E. Butterfield, B.L., class of 1891, Degree of Master of Literature.
 Charles Willard Carter, B.L., class of 1893, Degree of Master of Literature.
 Ella Connet, B.L., class of 1888, Degree of Master of Literature.
 Herman S Piatt, A.B., class of 1893, Degree of Master of Arts.

Degree recommended for those graduating ten years or more ago with certificates.

Willis A. Reiss, class of 1872, Degree of Master of Science.
 Lewis E. Williams, class of 1873, Degree of Master of Science.
 Charles P. Jeffers, class of 1874, Degree of Master of Science.
 Ralph Allen, class of 1876, Degree of Master of Science.
 Elijah N. Porterfield, class of 1873, Degree of Civil Engineer

George Storey, class of 1874, Degree of Civil Engineer.

Howard Silver, class of 1872, Degree of Master of Literature.

Alonzo L. Whitcomb, class of 1872, Degree of Master of Literature.

Parley A. Phillips, class of 1873, Degree of Master of Literature.

Ebenezer L. Drewry, class of 1874, Degree of Master of Literature.

The faculty also recommends that a certificate of graduation be issued to Judson F. Going, of the class of 1883.

ENROLLMENT.

You will be pleased to learn that notwithstanding the serious difficulties in the way, the attendance of students for the year considerably surpasses that of any former year in the history of the University. You will remember that the increase last year was for us phenomenally great, but a comparison of the numbers of the last and the present years shows favorably for the latter.

Then the number in the graduating class was 65; now it is 68. The summaries, as given in the two catalogues, are as follows:

SUMMARY OF STUDENTS—1892-93 AND 1893-94.

	Graduate school.....	Resident graduates..	Senior.....	Juniors.....	Sophomores.....	Freshmen.....	Special.....	Total University.....	Preparatory.....	Total University and preparatory.....	Special agriculture..	Grand Total.....
1892-3 { men	2	4	60	72	100	166	17	421	166	587	23	610
{ women.....	2	1	7	8	13	30	15	74	30	104	....	104
Total	4	5	7	80	113	196	32	495	196	691	23	714
1893-4 { men	8	9	83	84	109	155	16	464	145	609	25	684
{ women.....	2	3	9	15	14	20	25	88	21	109	....	109
Total	10	12	92	99	123	175	41	552	169	718	25	743

This shows a grand total of 743 against 714 last year, an increase of 29; and of University students proper, of 552 against 495, an increase of 57. This last is 11.5 per cent. The preparatory has 30 and the freshman class 21 less than last year, showing that the increase is in the upper classes, which, to my mind, is the most encouraging feature of the comparison. So far as the freshman class is concerned, however, this comes about in part from differences in classification. Last year there were 9 post-graduate students; this year there are 22. Last year there were in the University courses, 74 women; this year there are 88, a gain of 19 per cent. This very satisfactory increase is no doubt in part a response to the better provisions made in recent years for women students, and ought to be encouraging for further efforts in the same direction. Altogether there were last year 104 women, this year there are 109.

By courses there are no very striking changes in the relative numbers of students for the last two years. The greatest actual increase is in electrical engineering, where the total numbers are 123 now, against 94 last year, a gain of 29, or about 31 per cent. In municipal and sanitary engineering there was but one student last year; and now there are 5. In Latin and Greek, the previous year, there were 36 students; this last year there have been 55, a gain of 19, or nearly 53 per cent.

PROGRESS DURING THE YEAR.

A comparison of the catalogues for these two years will show very large additions to the courses of instruction; much larger in the aggregate than were ever before made in one year. Four new departments have been organized, viz., pedagogy, economics, philosophy, and physical culture for women. Sub-departments in mechanical, electrical, and civil engineering, in chemistry (pharmacy), and zoölogy (physiology) are important developments of the year, while the offerings in mathematics have been extended from 9 to 18 courses of instruction, and from two to four years' work. The graduate school has received special attention, as shown by a comparison of the announcements in the catalogues. There was but a single paragraph in the catalogue of 1892-93, while there are five pages in that of 1893-94.

Another step in advance, which promises well, but of which it is too early to speak further than to announce, is the organization of a summer school as a part of university instruction. A model school for the department of pedagogics has also been planned under your direction, and recommendations of teachers are to be presented to you.

The preparatory school has been reorganized and placed under the charge of a principal. It was also provided with separate quarters. The course now announced is for two years, instead of one as heretofore. This change is believed to be a very important one, but it introduces an element of much uncertainty in regard to the number and kind of teachers needed for the coming year. The principal thinks there should be six teachers besides himself, as follows: One for algebra, one for geometry and history, two for English, one for physiology, botany, and zoölogy, and one for Latin and Greek, leaving physics for himself. Further information upon this will be given, if desired, and names of candidates for teachers may be submitted.

The following communication is self-explanatory, and I take pleasure in presenting it to you.

URBANA, ILL., May 29, 1894.

Dr. T. J. Burrill,

DEAR SIR: I desire you to express to the board of trustees my heartfelt gratitude for the kindness it has shown to me and my fond hope to return to my work in a condition to do good work.

Very respectfully,

E. SNYDER.

Assistant Professor Myers asks a leave of absence of one year beginning September 1, 1894, in order that he may better qualify himself by study elsewhere for his duties at the University. It is his purpose to spend the year in the study of mathematics and astronomy at one of the eastern universities, or in Europe. This is commendable enterprise and laudable ambition, and it is well worth while for the University to suffer some inconvenience for the time being in the assurance of benefits to follow.

MILITARY DEPARTMENT.

During his four years of effective service and helpful experience in the military department, Captain Hills has found some things which he thinks would, if adopted, benefit the department, and he has addressed to me the communication which is herewith submitted. His recommendations meet the approval of Professor Snyder, who, as the former commander of the battalion, and since an active member of the military committee of the faculty, is abundantly qualified to advise in the matter. It is exceedingly pleasant to inform you that as a token of their good will and high esteem the members of the battalion presented Captain Hills, at the Hazleton prize drill, with an elegant gold watch, suitably engraved. This fact in itself has little importance, but as an indication of the great change during the last few years in the attitude of the students toward military affairs, it does have deep significance.

UNIVERSITY OF ILLINOIS, May 23, 1894.

Dr. T. J. Burrill, Acting Regent, University of Illinois,

SIR: I have the honor to bring to your attention a few proposed changes in the rules which I regard as necessary to facilitate instruction and to promote the efficiency of the battalion.

The present practice is to appoint captains and lieutenants from the junior class. In no year have I been able to supply each company with a full complement of officers, viz., one captain, one first and one second lieutenant, because of the withdrawal from the military class of a number who had been sergeants the preceding term and the failure of others to return to the University. Lieutenants are necessary as assistants to the captain and to command platoons. Thus far I have been obliged to omit practical instruction in platoon movements, both in the schools of the company and the battalion.

There is serious objection to promoting to the grade of captain a sergeant who has not first served in the subordinate capacity of a lieutenant. It should be done in extreme cases only. Moreover, it seems but right that the services of instructed seniors should be utilized.

Again, the withdrawal of students from the junior military class at the opening of the college year is doubtless due, to a certain extent, to the dislike to serve under a classmate in a subordinate capacity. I have no doubt this feeling has led several to drop out in the past years.

I would therefore recommend for consideration the following proposed changes in the rules, viz:

That the students having had six terms of drills and of recitations be eligible for appointment as lieutenants; that those having had nine terms of drill and of recitations be eligible for appointment as majors and captains.

That scholarships of the money value of twenty-two and one-half dollars, payable at the close of the college year, be awarded to the lieutenants; that to those attaining the grades of major and captain be awarded scholarships of like value, payable at the same time, and, in addition, that they be paid twelve and one-half dollars per term. No recitations to be required of seniors.

I am of the opinion, also, that corporals should be appointed at the beginning of the winter instead of the spring term. One term is too short a period in which to fit them for the position for sergeants. The military professor should be authorized to select his corporals from the freshman class. Since the members of that class must serve two college years in the battalion, the officer in charge ought to be permitted to say in what capacity each individual can, in his judgment, render the most efficient service.

The present plan of forming the freshman military class from those who choose it voluntarily is often unsatisfactory; I had almost said, vicious. Certainly the best material is not always thus attained; and poor material, if offered, must be accepted. There is no alternative.

I am, sir, yours very respectfully,

E. R. HILLS,

Captain 5th Artillery, Professor of Military Science and Tactics.

I add also some extracts from the inspection of the military department, made May 18, 1894, by Colonel E. M. Heyl, Inspector General, U. S. A.

“URBANA, ILL., May 18, 1894.”

“*To the Inspector General, U. S. A., Washington. D. C.,*

SIR: I have the honor to submit the following report of an inspection of the military department of the University of Illinois, Urbana, Ill., made this day. * * *

The military professor reports that the discipline of the cadets is fair and a decided improvement over the preceding year. Breaches of discipline are punished by reports, warnings, suspensions, and expulsion. * * *

The following are reported to have shown special aptitude for the military service, viz:

H. E. Reeves, C. W. Noble, A. M. Munn, E. V. Capps, juniors; R. P. Brower, F. H. Green, H. R. Marsh, J. H. McKee, G. E. Rowe, R. K. Porter, G. H. Scott, sophomores. * * *

Since date of last annual inspection, May 18, 1893, there have been 121 days upon which drills and ceremonies have taken place. There have been 69 infantry company drills, 61 artillery drills in formation of detachments, manual of the piece, and mechanical maneuvers; 35 battalion drills; 7 dress parades and 10 reviews and inspections; 5 signal drills with flag. Company inspections have been made from time to time as part of the drill.

There have been 8 aiming drills with cadet rifle. First the officers and non-commissioned officers, then each company in turn—the last being for those not present at either of the other drills. This instruction was not compulsory and was given to 120 cadets.

Gallery practice was held ten times from January 20th to May 5th. Each cadet was instructed in pointing, aiming, and the manner of holding his piece. 120 cadets participated in this practice.

Those who desired to go were taken on the range and had practice on April 28th (all day) at 100, 200, and 300 yards, also during the forenoon of May 12th. Thirty-six cadets attended April 28th, and 13 on May 12th. The practice has been very satisfactory considering the limited opportunity afforded for this work.

The drill ground is suitable for close order movements, but limited for extended order. Military Hall—100x150 feet—affords excellent facilities for indoor drill.

The target range is $1\frac{1}{4}$ miles from Military Hall and admits of practice up to 400 yards. The butt is for one stationary target and should be made larger. Direction of firing is toward the south.

Theoretical instruction has been personally conducted by the military professor, with the exception that during fall and winter terms, owing to the size of the freshman class, Cadet Captain Reeves was employed by the University as an assistant instructor and heard three recitations per week. During the fall and winter terms five, and during the spring term four, hours per week are devoted to this instruction.

Since last annual inspection the three classes, juniors, sophomores, and freshmen, have had 94 recitations, but during the fall and winter terms the freshmen class was divided into six sections, thus occupying six hours (days) per week—making the whole number of recitations 204. The recitations were in infantry drill regulations, guard duty, notes on cannon and projectiles, organization of U. S. A., signaling, field fortifications, and art and science of war. The military professor delivered three lectures on army organization, courts martial, and military and martial law.

Infantry Drill Regulations, Manual of Guard Duty, Wheeler's Field Fortifications, and Wheeler's Art and Science of War are used as text books. The University library contains about 300 volumes on different military subjects.

Ordnance and ordnance stores consist of 300 cadet rifles, 300 sets of accoutrements, and 2 field guns—bronze, 6 pounds, with carriages and limbers. The rifles and accoutrements are in a good condition, stored in Military Hall, and cared for by the janitor (an old soldier). The field guns and carriages are in bad condition and should be replaced. The full allowance of ammunition has been drawn from the U. S. * * *

I inspected and witnessed the drill of the battalion—six companies of infantry, one artillery detachment, and band. Appended hereto is a field return showing the strength present and absent, how absentees are accounted for, etc. All of the cadets present at inspection were in complete uniform.

Owing to a rain storm the exercises under arms were held in the drill hall, which was not large enough to admit of a review.

The command formed by battalion in column for inspection. The cadets presented a neat appearance and are well set up. The band has a very neat uniform and serviceable cap.

For drill the six companies were divided into two battalions of three companies each, the cadet captains drilling the battalions. The drill was excellent. All the captains showed a perfect knowledge of battalion movements, their commands were clear and distinct, and all movements were executed promptly, accurately, and in a very soldierly manner.

The drill of the artillery detachment in manual of the piece, loading and firing was well executed and showed a good knowledge of the drill. It is regretted that, owing to the storm and wet condition of the ground, the detachment was unable to give an exhibition in the mechanical maneuvers, dismounting piece, etc.

Great credit is due Captain Hills for the excellent state of proficiency to which he has brought the cadet battalion of this University. He labored under many great disadvantages when he first entered upon his duties, but by patient and persistent efforts, a great deal of tact and good judgment, he has succeeded in placing the military organization in an excellent condition."

I communicate herewith a petition from the leaders of the different athletic organizations, and commend it to your attention.

LIBRARY.

The report of Professor Moss, as librarian, is herewith submitted. The library matter has become a very serious problem, which, no doubt, can only be well solved by erecting a special building. But what to do while waiting for a new building is a puzzle. It may be thought that sufficient room will be easily spared in University Hall after the engineers move into their new quarters, but any attempt to distribute the rooms among the remaining departments will quickly show that the room in University Hall will be more than demanded. It seems absolutely impossible to find any place for the proposed model school until Engineering Hall furnishes relief, and, as it is not certain that this building will be ready in any part for occupancy at the beginning of the next school year, it is difficult to see what can be done for the new school. Much, too, has been said about needing a musical department, but there will be no spare room for this, even in a small way, after the engineers all leave University Hall. With things as now arranged for the next year, there will not be a room in this building unoccupied. On the contrary, double occupancy will be necessary in some cases. Special attention is required to assignments for the preparatory school. The regent's office, perhaps before any other needs are considered, requires enlargement and adjustment.

To the Board of Trustees.

GENTLEMEN: The work connected with the library has progressed with very little friction during the year, though several difficulties have stood in the way. The labors of Mr. Cleaves Bennett have been well and faithfully done. Upon him has fallen the major share of the routine work, and it has taken all his time from morning till night throughout the year. The assistants also have done their work acceptably.

The difficulties mentioned are, first, the well-nigh total absence of such facilities for office work as the librarian's duty demands. One old, small desk was all the office contained until recently, when a letter-press

was ordered. It is quite impossible to keep in orderly shape the endless details of correspondence, etc., unless an office is fitted up suitably for a librarian's use. The present room is a store room for the library and business agent and registrar, and in it all our work has to be done. The board should set apart a room and fit it up in shape for the business of the library.

A second matter that needs attention, particularly if a librarian is employed who is skilled in his work, is that some discretion, at the direction of the library committee, should be given regarding the purchase of books. Notices are from time to time received of valuable works offered at low cost, and the present method is too roundabout to make such offers available. The librarian also should be at liberty to purchase needful supplies for his work.

The report of the business agent will show that of the \$5,000.00 appropriated for the library, \$1,000.00 was set aside for periodicals and binding. From this sum 156 periodicals were ordered, of which almost none are of a general, rather than a technical character. The binding for the six months of 1894 will well-nigh exhaust the amount available for this item. The \$4,000.00 remaining has been actually spent, or orders are now out that will cover it.

The total number of books added to the library between March 1, 1893, when the last record was made for the catalogue of that year, and May 30, 1894, is 2,452. This does not include pamphlets, of which several hundred have been placed on file.

I am pleased to say that the increase in calls for books during the year has exceeded that of any previous year, reaching, so far as we can estimate, about 40 per cent. This is convincing testimony to a wider scope of instruction, and to a better appreciation, on the part of the students, of their privilege in this respect. The increase is fairly distributed among the various departments.

It became apparent to me soon after assuming the duties of librarian, last fall, that I could do nothing more than a perfunctory service. The library, as I conceived, was not so well arranged as it might be; but nothing could be done because of the limited room at disposal, particularly as new purchases were crowding us more and more. But the fact that the books were not catalogued except by titles, made a rational placing of them absolutely impossible. It remains, therefore, that no professor, much less a student, can know what material is at his service, unless he has gone over the entire library, volume by volume—a tedious and time-wasting labor, as I know from having done it in behalf of my department. The time has come, indeed it came long since, when a systematic cataloguing of the books by topics is indispensable. Further, no one can appreciate how needful this is, unless he has heard the repeated inquiry, "Where can I find this or that subject treated?" The reply depends chiefly upon what a mere student assistant happens to know about the library.

The attention needful to the office work I could give only at odd times when not engaged in any regular duties, and any systematizing of it was not possible on this account, as well as for a lack of conveniences therefor.

The above two, and other considerations of importance, in my judgment, make it imperative that a trained librarian should be employed, and that cataloguers should be placed at his direction.

There are various and radical differences of opinion upon the arrangement of this, as of other libraries. The library committee may be trusted to do its full duty intelligently, but much care should be taken to select a man who can work harmoniously with them.

The urgent need for more room is apparent. The incongruity of having 100 or more students studying, conversing, and reading in the same room is also apparent. It has been impossible to preserve quiet in the room, and unadvisable to attempt it. Our shelves are full, and we have

been obliged to store almost 500 volumes of less-needed, though important, books, to make room for others. I certainly do not know what can be done with those to arrive this summer unless more shelf room is provided. *We need, and need now*, a new, modern building, with all appliances for this vital part of our University work. Upon this probably every member of the faculty is agreed, and that it is our foremost need in the way of buildings.

The plan adopted recently for the purchase of books has given satisfaction, and often makes the appropriation available for immediate needs.

The board gave me the librarian's duty to perform, without my knowledge, till I was actually appointed. I have cared for it as faithfully as I could, but I do not feel that I can continue the work for another year, and accordingly ask to be relieved therefrom. I shall take pleasure in seeing that matters are attended to till July 1st, when I expect to leave home.

Respectfully,

C. M. Moss.

I have said that there will be no room available for the development of a musical department even if the room we have should be considered suitable for the purpose. It has been publicly understood that Miss Kimball has resigned her place and this, together with the expressed desire that more should be offered in the way of musical instruction, has induced numerous persons to make application for positions. These applications are on file, but no answer has been returned further than to acknowledge, if by mail, the receipt of the papers. I submit, however, a proposition from Mr. Squire, who is very sanguine that the conditions are favorable for beginning the work. His plan is practically that existing in the University of Michigan, of which we have very satisfactory reports. While it does not appear to me that the University should assume the responsible management of a musical conservatory in any case, it does seem to me to be very important that instruction should be offered in musical theory and history to classes, as in other subjects, and that students should have abundant opportunity to take private lessons of the best grade, in the various musical subjects. In the endeavor to render the University and the place attractive to women students, musical instruction and the kind of educational culture connected therewith, must have prominent consideration. Whether the present proposition is a desirable one or not, something of the kind meets my own very hearty approval and I earnestly invite your best consideration of the subject.

GYMNASIUM FOR WOMEN.

Somewhat connected with this in idea is a communication from the alumnae association of the University, which I take pleasure in presenting, as follows:

To the Honorable Board of Trustees, University of Illinois.

GENTLEMEN: The alumnae association of the University desires to call your attention to that part of Dr. T. J. Burrill's address of recent issue which refers to the small percentage of women students here in attendance and to second his recommendations for them.

This association has among its members alumnae who have been separated from their University course long enough to realize most fully the advantages which the University should offer to women.

We feel that our obligations to our Alma Mater and its obligations to the young women of Illinois make it our privilege to request that the board of trustees provide additional facilities for its women students.

We urge, especially, the gymnasium for women and request that the efficient and unselfish work of Miss Kellogg during the past year be encouraged by a requisite allowance of rooms and funds.

Not until the daughters of Illinois are enabled to enjoy in our own University all the advantages offered by other institutions will the full

measure of its power and influence be felt and its just proportion of women students be secured.

Respectfully submitted,

MRS. VIRGINIA TALBOT,

Corresponding Secretary.

MRS. F. A. PARSONS,

President.

FELLOWS.

The executive committee of the faculty recommends to you the following named persons as fellows for the year 1894-5:

For the College of Engineering—Robert Alvin Wood (mechanical engineering), Grant Clark Miller (architecture).

For the College of Science—Charles Frederick Hottes.

For the College of Literature—Miss Ola C Woolsey.

According to your provision four fellows may be appointed each year, with the understanding that one shall be assigned to each college. It has so happened that no fellowship has heretofore been filled from the college of engineering, but last year the college of agriculture was thus represented. Since the number of students in the various courses of the college of engineering greatly exceeds those in the other colleges, and especially those in agriculture, the committee ventures to ask that two of the fellowships for the coming year be assigned to the college of engineering, as above proposed.

ADDITIONAL INSTRUCTORS.

There are several calls for increase or readjustment of teaching force. The needs in this respect of the departments of mechanical and electrical engineering, presented to you from the heads of these departments at your last meeting, are now in the hands of your committee on instruction. I submit suggestions from the professor of architecture for the conduct of his department during the absence of Professor White. In case leave of absence is granted to Professor Myers, his place must be temporarily filled. The work now assigned to Professor Rolfe makes it necessary that some assistance should be furnished in his department, and further assistance in the chemical department is required. The transfer of the work in themes from the junior to the sophomore year in the engineering courses will very largely increase this work next year. Another instructor in this subject for one year is very essential. I submit, also, a communication from Professor Bruner for further help in his department.

Professor McMurry desires the appointment of Miss Kate Cary and Miss Mary Karr as teachers in the model school. The question of the appointment of a librarian has already been before you, and I need only emphasize the importance of securing a thoroughly competent officer for the place.

APPROPRIATIONS.

□ Professor Forbes as director of the State Laboratory of Natural History, requests an assignment of the balance of the account in the treasurer's hands for the Laboratory.

I communicate herewith from the several departments a list of askings for money, and have for your information full details in each case.

AGRICULTURAL EXPERIMENT STATION.

The quarterly report of the president of the board of direction of the Agricultural Experiment Station is as follows:

Dr. T. J. Burrill, Regent,

DEAR SIR: The board of direction of the Agricultural Experiment Station presents the following papers:

Paper A is a statement of the expenditures for the quarter ending March 31, 1894.

Paper B is a list of warrants drawn during the same quarter, No. 134 to 230, inclusive, and is accompanied with vouchers for the same.

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

Paper D is a statement of appropriations asked for the current and the next quarters.

PAPER A.—APPROPRIATIONS, EXPENDITURES AND BALANCES FOR QUARTER ENDING MARCH 31, 1894.

	Appropriated.	Expended.	Balances.
Buildings and repairs.....	\$25 00	.....	\$25 00
Board expense.....	40 00	\$37 46	2 54
Books and publications.....	50 00	50 56	19 44
Botanical apparatus.....	10 00	3 46	6 54
Bulletins.....	850 00	865 43	.....
Chemical apparatus.....	50 00	48 01	1 99
Fuel and lights.....	100 00	56 00	44 00
Incidentals.....	25 00	2 00	23 00
Meteorological apparatus.....	10 00	7 67	2 33
Printing, stationery, and postage.....	25 00	15 75	9 25
Salaries.....	2,305 00	2,034 96	04
Seeds and trees.....	100 00	52 81	47 19
Tools and supplies.....	250 00	250 47	.....
Wages.....	1,025 00	1,005 97	19 03
<i>Sundry Experiments—</i>			
Farmers' Institutes.....	55 00	51 07	3 93
Dairy experiments.....	150 00	32 15	117 85
Drainage experiments.....	200 00	14 50	185 50
Wheat and other experiments.....	50 00	.....	50 00
Total.....	\$5,050 00	\$4,508 27	\$557 63

PAPER C.—APPROPRIATIONS, EXPENDITURES, AND BALANCES FOR QUARTER ENDING JUNE 30, 1894.

	Appropriated.	Expended.	Balances.
Buildings and repairs.....	\$25 00	.....	\$25 00
Board expense.....	40 00	\$15 06	24 94
Books and publications.....	75 00	7 16	67 84
Botanical apparatus.....	10 00	.....	10 00
Bulletins.....	300 00	115 41	184 59
Chemical apparatus.....	50 00	4 44	45 56
Fertilizers.....	.....	7 10	.....
Fuel and lights.....	100 00	.....	100 00
Incidentals.....	25 00	.....	25 00
Printing, stationery, and postage.....	25 00	10 00	15 00
Salaries.....	1,785 00	1,206 64	578 36
Seeds and trees.....	20 00	33 55	.....
Tools and supplies.....	175 00	.....	175 00
Wages.....	1,130 00	519 44	610 56
<i>Sundry Experiments—</i>			
Dairying experiments.....	50 00	.....	50 00
Drainage experiments.....	200 00	1 80	198 20
Wheat and forage experiments.....	50 00	10 50	39 50
Total.....	\$4,060 00	\$1,931 10	\$2,149 55

PAPER D—ESTIMATES.

<i>Quarter Ending June 20, 1894—General Fund.</i>	
Membership fee in Association of American Agricultural Colleges and Experiment Stations	\$15 00
Expenses of delegate to Dairy Convention	10 16
Total	\$25 16
<i>Quarter Ending Sept. 30, 1894—General Fund.</i>	
Buildings and repairs	25 00
Board expense	50 00
Books and publications	50 00
Botanical apparatus	10 00
Bulletins	200 00
Chemical apparatus	50 00
Fuel and lights	60 00
Incidentals	25 00
Printing, stationery, and postage	25 00
Salaries	2,060 00
Seeds and trees	10 00
Tools and supplies	270 00
Wages	1,100 00
Sundry—	
Wheat and forage experiments	100 00
Total	\$4,035 00
<i>From Station Farm Fund.</i>	
For purchase of pigs	100 00
For repairs on farm dwelling house	75 00
Total	\$175 00

The board of direction asks that the trustees appropriate funds according to the estimates in paper D for the use of the Station.

The board of direction asks that its president and secretary have 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.

It is probable that not all the sum appropriated in March from the station farm fund for the purchase of stock and fittings for the dairy will be expended by the end of the quarter, and the board of direction asks that the balance, if any, be reappropriated for the same purpose.

Respectfully submitted,

G. E. MORROW,

President Board of Direction.

It is desirable that appropriations should be made for the Experiment Station as requested in the foregoing report.

Respectfully submitted,

T. J. BURRILL,

Acting Regent.

The board of supervisors of Champaign county was invited to attend commencement.

The board adjourned to meet at 7:30 o'clock p. m.

EVENING SESSION.

The same members were present as in the morning.

After discussion of some university matters the board adjourned to meet at 8 o'clock a. m. Wednesday.

WEDNESDAY MORNING SESSION.

The board met pursuant to adjournment. The same members were present as on the preceding day, except Mr. McKay.

At 9:45 o'clock a. m. the board adjourned till 2 o'clock p. m., in order to attend commencement.

AFTERNOON SESSION.

At the afternoon session the same members were present as in the morning.

The treasurer's report was received:

TREASURER'S REPORT.

CHARLES W. SPALDING, TREASURER, IN ACCOUNT WITH THE UNIVERSITY OF ILLINOIS, MAY 31, 1894

	Dr.		
March	1894.		
"	1	To balance.....	\$121,592 59
"	20	Transfer of Kankakee bonds from general fund bonds.....	\$5,000 00
"	31	From S. W. Shattuck on account of general fund.....	4,062 66
"	31	W. L. Pillsbury on experiment station farm account.....	31 43
April	9	Treasury U. S. experiment station warrant.....	3,750 00
"	10	W. L. Pillsbury on experiment station farm account.....	106 50
"	19	" "	351 58
"	26	S. W. Shattuck on account of general fund.....	2,063 12
"	26	Amount of interest paid on Gallatin county bond, November 30, 1893, refunded.....	20 00
"	26	Principal on contract No. 75, S. J. Hallquist, due January 1, 1894.....	150 00
"	26	Principal on contract No. 75, S. J. Hallquist, due January 1, 1894.....	150 00
"	26	Accrued interest on contracts No. 75 and 76.....	6 60
May	1	From W. L. Pillsbury on experiment station farm account.....	31 09
"	2	Interest on Sangamon county bonds.....	300 00
"	2	Cass county bonds.....	325 00
"	2	Shelby county bonds.....	330 00
"	2	Shelby county bond, No. 4.....	500 00
"	2	Bond county bond, No. 2.....	600 00
"	2	Interest on Bond county bonds.....	114 00
"	31	From W. L. Pillsbury on experiment station farm account.....	206 75
"	31	S. W. Shattuck on account of general fund.....	1,283 70
"	31	Interest to date on endowment fund at 4 per cent.....	255 31
"	31	all other funds at 2½ per cent.....	391 70
			20,029 35
			<u>\$141,621 94</u>
		Cr.	
March	20	By amount paid out of endowment fund for 5 Kankakee bonds held on account of general fund.....	\$5,000 00
May	31	By amount paid on account of general fund, as per list of warrants attached thereto.....	19,005 99
"	31	By amount paid on account of state appropriations, as per list of warrants attached thereto.....	40,416 75
"	31	By amount paid on account of State Laboratory Natural History, as per list of warrants attached thereto.....	1,839 21
"	31	By amount paid on account of U. S. fund, as per list of warrants attached thereto.....	3,487 78
"	31	By amount paid on account of U. S. experiment station fund, as per list of warrants attached thereto.....	4,178 47
"	31	By amount paid on account of U. S. experiment station farm account as per list of warrants attached thereto.....	225 00
		Balances—	\$74,153
		State appropriations—	
		Current fund.....	\$7,326 67
		Engineering Hall.....	18,971 58
		Other appropriations.....	11,298 06
		General fund.....	1,397 96
		U. S. fund.....	1,060 81
		U. S. experiment fund.....	2,913 98
		Endowment fund.....	23,919 50
		U. S. experiment station farm account.....	580 18
			67,468 74
			<u>\$141,621 94</u>

The Business Agent's report was received:

UNIVERSITY OF ILLINOIS, June 5, 1894.

Nelson W. Graham, Esq., President of Board of Trustees, University of Illinois.

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

Paper A, the current appropriations for the three months ending June 1, 1894.

Paper B, a showing of the state appropriations, June 1, 1894.

Paper C, the same for the United States fund.

Paper D, a list of vouchers presented for audit, being from 576 to 1,175, inclusive.

Paper E, estimates of expenses and receipts for the three months ending September 1, 1894.

Paper F, estimates for the twelve months ending September 1, 1895.

Paper G, appropriations asked for the three months ending September 1, 1894.

Paper H, a bill from C. W. Spalding, treasurer, for money paid on account of taxes.

PAPER A—CURRENT APPROPRIATIONS.

March 13 and April 13, 1894.	Appropriated.	Receipts appropriated.	Expended.	Balance.
Board expenses.....	\$600 00		\$373 35	\$226 65
Salaries for instruction { Current.....	20,000 00		5,937 23	562 77
{ State.....			13,500 00	
Salaries for services.....	2,175 00		2,146 18	28 82
Buildings and grounds.....	600 00	\$10 00	257 46	352 54
Fuel and lights.....	1,000 00	32 00	616 01	415 99
Stationery, printing, and catalogue.....	1,000 00		294 31	705 69
Preparatory school.....		1,057 00	838 25	218 75
Mechanical department.....	200 00	594 77	789 27	5 50
Architectural.....	100 00	640 26	529 68	210 58
Agricultural.....		443 45	111 58	331 87
Horticultural.....		82 30	37 93	44 37
Military.....	47 00		45 16	1 84
Laboratories.....	200 00	306 96	494 81	12 15
Library and apparatus.....	50 00		18 69	31 31
Incidentals.....	200 00		128 01	71 99
Sundries—				
Water supply.....	125 00		125 00	
Furniture and fixtures.....	100 00		70 35	29 65
Heating.....	100 00		44 58	55 42
Accredited schools.....	144 87		113 78	31 09
Band music.....	7 90			7 90
<i>Illini</i> subscriptions.....	321 33		321 33	
Gymnasium.....	56 33		1 50	54 83
Art department.....	16 97		16 74	23
Music and piano.....	48 00		15 00	33 00
World's Fair exhibit.....	250 00		246 63	3 37
<i>Technograph</i>	100 00		40 53	59 47
Typewriter.....	120 00		120 00	
Farm house.....	208 40		172 22	36 18
Interest on bonds.....	20 00		20 00	
Summer school.....	1,200 00		74 50	1,125 50
Land purchase.....	4,500 00		4,500 00	

PAPER B—STATE APPROPRIATIONS.

May 31, 1894.	Received.	Expended.	Balance.	Assigned.
Before reported on	\$9,014 64	\$9,014 64	.....	.....
Cabinets	1,000 00	776 18	\$223 82	\$223 82
Furnishing and heating Natural History Hall	6,000 00	4,980 86	1,019 14	1,019 14
Boiler and coal house	6,500 00	.....	6,500 00	.....
Engineering building	80,000 00	61,106 17	18,893 83	18,893 83
Municipal engineering	50 00	7 00	43 00	43 00
Greek	100 00	53 34	46 66	46 66
Psychology	800 00	701 07	98 93	98 93
Botany	200 00	129 77	70 23	70 23
Library	5,000 00	2,509 93	2,490 07	2,490 07
Physiology	100 00	77 86	22 14	22 14
Architectural cabinet	175 00	109 90	65 10	65 10
Physical culture	210 00	145 72	64 28	64 28
College of literature	200 00	139 41	60 59	60 59
Buildings and grounds	3,852 69	3,848 82	3 87	3 87
Mechanical engineering	100 00	100 00	.....	.....
Shop practice classes	600 00	600 00	.....	.....
Salaries for instruction	40,979 46	40,979 46	.....	.....
Total	\$154,881 79	\$125,274 13	\$29,607 66	\$23,107 66
Illinois State Laboratory of Natural History	\$8,563 26	\$6,455 15	\$2,108 11	\$72 46

PAPER C—UNITED STATES FUND.

	Received.	Expended.	Balance.	Assigned.
<i>Year Ending June 30, 1893.</i>				
Before reported on	\$17,663 09	\$17,663 09	.....	.....
Agricultural lectures	250 00	153 55	\$96 45	\$96 45
Veterinary department	86 91	72 93	13 98	13 98
Total	\$18,000 00	\$17,889 57	\$110 43	\$110 43
<i>Year Ending June 30, 1894.</i>				
Before reported on	\$9,969 90	\$9,969 90	.....	.....
Testing laboratory	1,700 00	1,423 22	\$276 78	\$276 78
Geology	300 00	84 51	215 49	215 49
Zoölogy	1,000 00	994 69	5 31	5 31
Chemistry	490 00	490 00	.....	.....
Civil engineering	950 00	945 73	4 27	4 27
Mechanical engineering	3,083 13	3,038 03	55 10	55 10
Municipal engineering	700 00	700 00	.....	.....
Electrical engineering	296 97	296 97	.....	.....
Architecture	530 00	341 78	158 22	158 22
Total	\$19,000 00	\$18,284 83	\$715 17	\$715 17

As the bills under the assignments from the state appropriations of the present year are not likely to be in hand to cover the \$60,000.00 for which vouchers should be filed June 30th, the board is requested to give the authority for the payment at once of so much of the \$4,000.00 assigned to the electric engineering as will furnish vouchers for the balance of the \$60,000.00.

Respectfully submitted,

S. W. SHATTUCK,

Business Agent.

But one member of the buildings and grounds committee was present. The following communication was received from him:

ENGINEERING HALL.

URBANA, ILL., June 6, 1894.

To the Board of Trustees of the University of Illinois.

GENTLEMEN: The chairman of your committee on buildings and grounds reports that the work on the new building is proceeding in a satisfactory manner, with the exception of the rapidity with which the work is conducted. The work is going on slowly, and the contractors have asked for a delay in the completion of the building on account of the present coal strike. A quorum of the committee has not been present at this meeting, and no action has been taken with regard to the request.

The committee called for bids for heating apparatus for the new building, and five have been received. Professor Breckinridge, of the mechanical engineering department, has been asked to examine the proposals and report to the committee in a few days his opinion as to which is most acceptable.

We recommend that the letting of contracts for heating, for electric wiring, for furniture, for boilers and boiler houses and for other work on the new building be referred to the committee on buildings and grounds, with power to act.

We recommend that \$1,200.00 be paid on account to the architect and superintendent.

Respectfully submitted,

S. A. BULLARD,

Chairman of Committee on Buildings and Grounds.

The committee on cadet uniforms made the following report:

CADET UNIFORMS.

To the Board of Trustees, University of Illinois.

GENTLEMEN: Your committee, appointed March 13th upon military uniforms for students, begs leave to report that after securing bids by open competition, and after careful examination and full deliberation, it has awarded the contract to the firm of Schweizer & Woody, of Champaign, Ill., on the following terms:

1. The uniforms are to conform to the specifications adopted at your meeting of March 13, 1894.

2. The coat and trousers for privates and non-commissioned officers are to be of "West Point cadet gray, government standard." The coat for commissioned officers is to be of "Condor" and trousers for same of "Lunar" brands, all of Middlesex mills, and all in every particular like samples deposited for the purpose with the business agent of the University.

3. The caps for privates and officers are to be like the sample for each deposited with the business agent of the University.

4. The chevrons are to be of gold lace.

5. The uniform, consisting of coat and trousers, cut to measure, and cap as described for privates and non-commissioned officers, is to be furnished students at sixteen and 40-100 dollars each uniform: that for officers same, complete as described, for nineteen and 65-100 dollars.

6. A committee of the faculty of the University, consisting of three persons selected for the purpose by that body, is to be the judge of the quality of material, workmanship and fit of garments, and the decisions of this committee are to be binding upon said firm of Schweizer & Woody in these respects.

7. Said firm of Schweizer & Woody are to file with the business agent

of the University a bond in the sum of two thousand (2,000) dollars for the faithful performance of their part of this contract.

Respectfully submitted by the committee.

T. J. BURRILL, *Acting Regent.*

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

The board adjourned to meet in the University parlor, Urbana, at 3 o'clock p. m., July 2, 1894.

W. L. PILLSBURY,
Secretary.

N. W. GRAHAM,
President.