

MEETING OF MARCH 8, 1892.

The Board of Trustees of the University of Illinois met at 3 o'clock p. m., Tuesday, March 8, 1892, in the University Parlor, in Urbana, Illinois. There were present Messrs. Bullard, Funk, Graham, McKay, McLean, Raab, and Shawhan; absent, Governor Fifer, and Messrs. Bryant, Clemens, Cobb, and Morgan.

The minutes of the last meeting were approved on motion of Mr. Funk.

Mr. Bullard was, on motion of Mr. McKay re-elected President of the Board for the ensuing year; and Mr. Pillsbury was, on motion of Mr. Raab, re-elected Corresponding and Recording Secretary for the same term.

On motion of Mr. McLean, the Secretary's salary was fixed at \$500 per year.

On motion of Mr. Raab, Messrs. Cobb and Funk were elected members of the Executive Committee of the Board.

Professor Burrill, Acting Regent, presented his report.

REGENT'S REPORT.

To the Honorable Board of Trustees.

GENTLEMEN: In presenting this quarterly report I am attempting to discharge a required duty, but the review made and the prospects anticipated are so satisfactory that the task is a pleasure as well as a fulfillment of law.

Since your last meeting the internal affairs of the University have moved forward smoothly and successfully towards the full accomplishment of the great purpose for which the great institution exists. Never was more earnest work done by the members of the Faculty and their assistants, or better progress made by students; there could not be greater concord of will or greater harmony of effort. So far as union makes strength, we have our full force available and in action. The relations between teachers and students continue pleasant and hopeful,—an excellent indication of high accomplishments. Considering the amount of sickness in the country during these last winter months, we have escaped remarkably; though several individuals have suffered quite severely, especially from the prevailing influenza, usually called "grip;" and we have lost by sudden death an exceedingly promising member of the sophomore class. J. L. Sullivan, of Mansfield, Illinois, after a short but complicated illness, died February 25th, at his boarding house in Champaign.

ATTENDANCE.

Twenty-five new students have entered this term, making the entire enrollment so far this year 574, against 519 last year. There are now on duty 40 persons engaged in the actual work of instruction, besides 9 regular employés as clerks, janitors, firemen, etc. Two of the instructors are members of the senior class, temporarily engaged in the preparatory department. For this work other provision should be made another year.

TECHNICAL LECTURES.

At your last meeting authorization was given for the employment of lecturers upon special technical topics before the students of the college of engineering. A good deal of preliminary correspondence was found necessary, and some delay thus occurred; but the course was auspiciously opened Thursday evening, February 25th, by W. L. B. Jenney, of Chicago. His subject was: "Tall Building Construction on Compressible Soils." The lecture was given in the chapel and was attended by about 250 students, besides members of the Faculty and some citizens. The lecture was admirably given, suitably illustrated by charts and lantern slides, and was full of interest for all in attendance. It is expected that ten lectures will be given in this course, distributed along at somewhat equal intervals during the remaining part of the year. Much pleasure and profit is anticipated from them.

UNIVERSITY EXTENSION WORK.

The University Extension work has also had an excellent and hopeful beginning. Professor Butler gave three lectures upon English Literature in the chapel, and was followed by Professor Forbes with three lectures upon "The Lower Forms of Life." Both of these courses were attended by about 300 citizens and members of the University, all of whom seem to have enjoyed the instruction given. Professor Stratton will give the first lecture of his course this evening. Nine lectures were all that were offered the citizens' organization here by the committee of the Faculty; but a request has been made for more, and Professor Crawford has consented to deliver three upon English Constitutional History. Professor Butler is giving two courses, on Friday and Saturday evenings, at Oak Park and at the Newberry library building in Chicago. Other calls for him have come from Rock Island, Rockford, Farmer City and LaSalle, but it was impossible for him to accept them all this term. Some engagements will be filled by him later. Professor Brownlee was asked to organize a local center at LaSalle, and also to give two readings to help stimulate interest in the work. Now Professor Crawford has accepted an invitation to give a course of lectures at Pontiac.

UNIVERSITY EXTENSION WORK AT TEACHERS' INSTITUTES.

The Faculty, through its committee on University Extension, has arranged for special work in this line for the teachers' institutes, usually held in each county of the state during the summer months. This is not offering ordinary instruction to public school teachers, but is an endeavor to introduce something of the character and quality of university teaching, taking indeed a little of the University itself to the institutes. By this means it is hoped that the latter may be helped and the former recognized to a greater extent than heretofore. Professor Baker has already engaged to give a course at Sullivan.

ACCREDITED SCHOOLS.

Since your last meeting six high schools have been visited by members of the Faculty, and four of them have been placed upon our accredited list. This makes a total of 68 high schools from which their graduates

may enter our freshman class without examination. Correspondence is also in progress with others, some of which no doubt may be accredited.

AFFILIATION WITH THE NORMAL SCHOOLS.

A matter of different kind, but falling properly in this connection, is the possible establishment of some recognized connection between the state normal institutions and the University. At least some system of scholarship credits between these state educational institutions might properly exist, and probably some correspondence in courses could be adjusted by which students in one might profit by certain work in the other. Authorized inquiry is all that can be asked for now, if this seems wise to you.

PREPARATORY SCHOOL.

The question of a proper preparatory school here in this locality is worthy of earnest attention. There has been much rather desultory talk about a union high school for the towns of Champaign and Urbana, but the time appears to be now at hand when definite action could be wisely taken. The University would be altogether better off without its preparatory department, provided suitable and apparently feasible provision should be made for preparatory work in the vicinity. An excellent high school with special courses for prospective University students could easily be maintained here; and, if properly organized and equipped and then sufficiently advertised, would presumably contribute much to the University attendance. I believe there is really great need for such a preparatory school and that efforts ought now to be made to secure it. It is true, the townships mentioned must found and maintain the school contemplated, but the University may at least give advice and consent in a matter so intimately touching its own interests. Authority to say that our preparatory department will be abandoned whenever acceptable provision for such instruction is made by the township authorities may be enough to secure this desired result. Your expression of interest will certainly be respected, and may lead to the fulfillment of your wishes.

SUMMER SCHOOLS.

An inquiry from one of your number raised the question of holding at the University summer schools for teachers. This was carefully considered by the Faculty, and as a general proposition was deemed advisable, because it is evident that there is a demand for such instruction. But inasmuch as the members of our corps of instruction will be busy next summer vacation preparing exhibits for the Columbian Exposition, and as it will be manifestly impossible to conduct successfully such a school in Illinois during the summer of 1893, it was recommended that the experiment be postponed until 1894. The proposed lectures in county institutes may be considered a sufficient undertaking for this year. Such summer schools are rarely self-supporting. Some universities have a special fund to meet the deficit. This too should be considered before advertising a school.

MILITARY DEPARTMENT.

The flag which first floated from the top of its staff during your last meeting has been raised every academic day since that time. Yonder it now is, a beautiful emblem in itself and a significant indication of the work in, and spirit of, the institution under your management and control. The flag was presented to the cadet battalion, and I am sure no one takes more pride in it than the present members of this organization.

The heating apparatus has been put into Military Hall. Of it, however, you will learn from the committee having the matter in charge. One further improvement would be appreciated by Lieutenant Hills and the

students who drill between 4 and 5 o'clock dark winter afternoons, viz: several arc lamps. From this date onward these are not so essential, but of course will be similarly demanded another year. Attention is asked to the request of Lieutenant Hills for four trumpets for his battalion drill practice, and for target materials, \$25.00; also to his request for more labor upon the muskets, so that they may be kept in better order.

The work of the military classes seems to be fairly satisfactory. The new arrangements of this year continue to show adaptation to existing conditions, and better results are anticipated for the future. So far class instruction has been given but once a week, as provided for in the rules; but for the summer term the professor wishes to meet twice a week those who continue the study and from whom the officers are chosen. This has been done in former years and is especially needed next term on account of the introduction of the new drill regulations. The military band is doing admirably under the leadership of Charles A. Elder. Twenty dollars is desired for new music.

ATHLETICS.

The general interest in out-of-door sports has been kept up by the victories of our foot-ball team; and gymnasium practice has been stimulated by preparation for an exhibition in Champaign under the auspices of the University Athletic Association. Instruction in the gymnasium has been given by three students selected for proficiency and paid by the University. While good work has been done, better arrangements should be made as soon as practicable. A question has been raised in regard to the provision of baths in the gymnasium building. If possible to construct them, they would largely contribute to progress in athletic affairs and work an advance in physical culture.

THE ILLINI.

The *Illini* is much improved in the new dress provided for at your December meeting, and those responsible for its reputation are straining every endeavor to make the paper creditable and useful. I submit a proposition to furnish 300 or more copies for the rest of the year, mailed for 28 cents per copy.

CHRISTIAN ASSOCIATIONS.

The Young Mens' and Young Womens' Christian Associations have energetically undertaken to raise a fund for a new building for their uses. Subscriptions have been taken among themselves amounting to over \$2,000; and they propose to raise in some way at least \$25,000. In this great and laudable enterprise they need every possible encouragement; but believing that success is attainable, they withdraw the request presented at your last meeting for better quarters in University Hall. These statements alone testify to the activity of these helpful organizations. They are alive and full of interest. How much more effective will they be when they get a new home for themselves! A question is sure to arise as to the character and use of the building in connection with University work. The rooms may be devoted entirely to the direct affairs of the associations, or they may in part be available for all students and for class purposes. In some cases such structures are placed on the grounds of the institution with which they are connected; in others they are erected upon land the title of which is in the association for assigned reasons. The uses to which the building is designed should be settled first, then the question of site may be an easy one. It seems to me a committee of conference to report at your next meeting will be desirable.

NATURAL HISTORY HALL.

The work upon the new science building has been pushed along when the weather permitted, as you will learn from the report of your committee. The ceremonies of laying the corner stone have been arranged for to-morrow (Wednesday) afternoon, and it is hoped that members of the Board may find it possible to attend. The principal address is to be given by President T. C. Chamberlain, of the University of Wisconsin.

REPAIRS AND IMPROVEMENTS.

The new front doors of University Hall have just been hung, and prove to be a great improvement in appearance and use over the old ones.

Rapid progress has been made in fitting the electrical rooms. The new steam engine is in place and in use. Both boiler and engine are thoroughly satisfactory in operation, and all of the new apparatus is believed to be the best of the kind. The expenses, however, have exceeded by \$500 the assignments made in December. This is explained in Professor Stratton's report. A new appropriation is asked for to cover this amount. The same report shows that donations have been made to the department amounting to \$502.45 since the beginning of the present year. Further apparatus is mentioned as needed, as follows:

One photometer.....	\$275 00
One cradle dynamometer.....	300 00
One direct current dynamo.....	400 00
One are light machine.....	300 00
Total.....	\$1,275 00

The 3d and 4th of these items are for pieces of apparatus which, while desirable for illustration and experiment in the laboratory, will also be of service in furnishing light in the buildings, and, I understand, will be sufficient to replace gas for this purpose wherever it is now used.

A request is renewed by the Philomathean society for light in their hall. It seems to me that whatever wiring is done in the building should be planned and put in by the University, under the direction of Professor Stratton. There is indeed much danger from wires improperly adjusted. But the change from gas to electric lights is very desirable.

The electric signal clock was put in some weeks ago and works well. It is of great service in the movements required by the program. The cost will slightly exceed the appropriation, but the bills are not yet settled.

The improvements ordered in the Chemical Laboratory have been made. The window guards in the basement have been put in and the photographic rooms have been refitted. The supplies for the physical, botanical and chemical laboratories have been ordered, for which appropriations should be made at your June meeting.

Requests are made from the department of chemistry, as follows:

For cement floor in basement store room.....	\$310 00
For shelving in same.....	50 00
For 3 students' desks, each for 8 students.....	350 00
For thermo-chemical apparatus (mentioned at last meeting).....	500 00
Total.....	\$1,210 00

TESTING LABORATORY.

The testing laboratory for the college of engineering is still poorly equipped and should have before long large expenditures made for it. The most urgent wants just now are for appliances for use by Professor Talbot's students in hydraulics. He asks for—

Pump	\$125.00 to	\$225 00
Water motors		80 00
Water meters		140 00
Several small pieces		55 00
Specimens, etc., for tests		25 00
Total		\$525 00

DRAUGHTING ROOMS FOR MECHANICAL ENGINEERING.

The mechanical engineers are seriously in need of better draughting rooms. A petition to this effect is submitted with this from the members of the sophomore class. It has been impossible to provide enough room of any kind for the students in these classes and the available space is not well suited to their work. University Hall was designed for classroom recitations and for small numbers in other work. For these purposes the plan is admirable and the building continues to be useful. But the methods of instruction have been much modified in certain subjects in ways that necessitate more room and different arrangements. The relief afforded by the new science building will remedy the present trouble only to a very limited extent. If possible some further provision should be made, before the opening of another year. According to the professor in charge, the room used for the classes in art and design is also a poor one for the best work in the department. Northern light is required. It is quite possible that some exchange can be made which will more satisfactorily meet the required conditions.

NEW BUILDINGS.

The general subject of new buildings has been earnestly considered by the Faculty, and after much discussion the following were pronounced to be urgently needed now:

A building for the college of engineering	\$75,000 to	\$150,000
A library building		100,000
A museum building		80,000

It was voted that no order of precedence should be made among these three, but that all are demanded at the present time for the essential uses of the institution.

I give herewith a short table showing the increase of students by numbers and by percentages for the years 1885-86 to 1890-91, prepared by Professor Talbot from the catalogues. From this it will be seen that the number of students in the engineering courses has considerably more than doubled during the five years shown. The increase for the last two years is 26-per cent. It will be two years before a new building can be provided if the initial steps are taken now. According to this rate of increase there will be over 300 students to care for in these courses two years hence. The probability is much greater if adequate provisions are made for instruction. This cannot be done without a new building and equipment.

INCREASE OF STUDENTS IN THE ENGINEERING AND OTHER COURSES, 1885 TO 1891.

Year.	Total students	Total with course specified	Eng. college.	Per cent. Eng. students of all specified	PER CENT. GAIN OVER PREVIOUS YEARS.		
					All courses.	Eng. college.	Others
1885-1886.....	332	310	123	40			
1886-1887.....	343	312	141	45	1	15	-9
1887-1888.....	375	336	158	47	8	12	4
1888-1889.....	418	399	200	50	19	26	12
1889-1890.....	469	442	215	49	11	8	14
1890-1891.....	519	492	252	51	11	17	6
Av. per cent. of increase.....					10	15.6	5

The library now has, according to the accompanying report of the librarian, 21,216 volumes, besides a large number of pamphlets and papers. The room is a waiting and reading room for students—the only place of the kind we have. It is impossible to keep the two things together in desired order and convenience. More space is required for both purposes. To keep abreast with the times special rooms are absolutely essential for what is called *seminary* work in connection with the library work by students among books and documents, analogous to the laboratory investigations of the science students. And above all the library should be in a fire-proof structure. No argument can be needed upon this point. The large collections of many years, and we hope much larger additions in the years to come, ought not to be exposed to the dangers of fire to which they are now subject.

If the University makes the efforts proposed for the World's Fair, there ought to be secured a very large amount of museum material. The promise of a suitable building for its safe keeping and adequate display will strongly influence donors as to the disposition they make of their specimens. A proper museum structure ought to be provided, and by January 1, 1894, it should be filled with the richest collections of the world. This opportunity should not be let slip, at least through any want of activity on our part.

Other buildings are desired. An assembly hall, capable of seating 3,000 persons, an astronomical observatory, a gymnasium, and other structures are really wanted; but it is the opinion of the Faculty that the three named are the most essential for this time.

The mechanical shop as at present arranged is decidedly unsatisfactory; especially is this the case with the parts devoted to blacksmithing and foundry work. The forges are very inadequately ventilated. The smoke and fumes from the fires are intolerable, unbearable by students and instructors and a nuisance to the rest of the shop. Improvement in some way is urgently demanded, and as soon as practicable. The instability of the upper floor upon which numerous machines and machine tools are placed, should also have attention. I beg that this may be referred to a committee for such action as may be deemed wise. If the tremor and dirt would not too much interfere, it may be possible to provide a good draughting room in the shop building for the mechanical engineering students. This also is worthy of consideration at this time. If deemed best to use the room for this purpose, its immediate refitting would afford relief where it is decidedly needed. This is, however, only advised if it proves that accommodations can not be secured in University Hall, after the natural history departments are vacated. It has been somewhat roughly estimated that \$70 will refit this room.

ELECTIVE STUDIES.

Though no formal vote has been taken upon the subject, I believe it is unanimously thought by members of the Faculty that the courses of study can be much improved by the introduction of the elective system, instead

of the rigidly prescribed list of studies. In the technical courses comparatively little change from the present order can be made, but in the case of the general literary and scientific studies, wide departure is suggested. Nothing definite can be submitted to you in this line at the present hour, but since the catalogue must be published before your next meeting, and since this must determine the matter for next year, it is thought wise to ask you to appoint a suitable committee to whom the very important matter may be referred with power to act.

INCREASE OF TEACHING FORCE.

Intimately connected with the adoption of courses of study is that of further teaching force. With the increase of students and the richer offerings made to them, additions to the corps of instruction become essential. In several particulars the demand is now urgent, besides the filling of the recognized vacancies. There is, however, a question of general import which should receive attention before any further appointments are made. Shall the department be divided to such an extent that the chief can give all or most of the instruction, or shall he have associate and subordinate assistance in a larger sub-division of the University? The former policy has largely prevailed heretofore. It seems to me the latter is now, at least, the better plan to adopt. The efficiency of instruction, the harmony of adjustments, due attention to economy of time and of money, all favor this idea. Assistants can be chosen for their special fitness for the particular work required, degrees of standing and of salary can be instituted which will serve as a stimulus to effective work and thus to advancement, and at the same time jealousies in consequence of unequal compensation may be avoided. All this applies, of course, to new appointments. It certainly must not be understood to commend disturbing existing relations.

Fellowships.—Looking toward this same end, in part, it seems to me very desirable that further opportunities should be provided for post-graduate work. Almost no attention has been given to this, though even a comparatively small number of such students would materially aid in gaining outside, high repute for the University, and in giving tone and quality to the undergraduate work. Good example is an excellent stimulus. From post-graduate students assistance in instruction can be secured to better advantage than is usually possible to get otherwise. To this I earnestly recommend the establishment of a limited number of fellowships, perhaps open only to post-graduates of this or other collegiate institutions. If a fellowship should be made worth \$400 per year the possessor thereof might be required to give some instruction, not to exceed one class a day, so that the real cost to the University of the fellowship would be nothing, while the advantages gained would possibly be very great. Among other things, we should thus help to stimulate in all departments the idea and habits of research, an essential to every live teacher, and the only substantial basis to scholarship and to public recognition. It is nothing less than criminal, where it can be avoided, to impose upon any teacher so much routine class-room work that it necessarily prevents him from seeking new knowledge in his specialty from original sources. Our institution may as well sell out at once, as to dry up within its dusty class rooms and make no marked addition to the world's knowledge. Teaching is a noble profession, but he who only retails facts and ideas from some one else tends to lose any title to nobility of character and influence that he may have once possessed. It should not be a requirement upon, but an opportunity eagerly prized by, every teacher of every subject, literary as well as scientific, to make research a part of his daily life. He will thus come fresh to his classes, and his own enthusiasm will propagate like fire in combustible material, in the otherwise unawakened minds of his students. He himself becomes more of a man, and they helpfully and hopefully profit by example more than by precept. But investigation requires time and energy, as well as disposition and ability. To my mind the best way to make sure of the former is to provide suitable assistance to the men who possess the latter characteristics.

It is not improper for me to add that such assistance is now especially called for in the departments of agriculture, civil and municipal engineering, English and rhetoric, and of French and German. It is not, however, supposed that any action should be actually taken in these matters until your next meeting, except, if you so decide, the authorization of more definite provisions of post-graduate work and the founding of fellowships. Besides this, the founding of a professorship or associate professorship of applied mechanics, affecting all the causes of engineering, should be considered, and no doubt will be acknowledged as an essential step in desired progress.

It is desirable that instruction in Italian and Spanish should be provided. If each of these should be taught upon alternate years only, it would be possible for all regular students to attend the classes in both. With assistance in the beginning classes in French and German, these new languages could be thus offered by the present professors.

MINING ENGINEERING.

Attention is especially asked to the report of the professor of mining engineering. It is important to decide what shall be attempted in his department. The only mining in Illinois worthy of consideration in this regard is for coal. No collegiate course in mining in this country makes this a prominent specialty; where the metals receive abundant attention. Will it not be wise to strike out in this unoccupied field rather than to try to compete with other more favorably situated institutions in their own lines?

The following appropriations are asked for by Professor Baldwin:

For a surveying outfit for underground work.....	\$500 00
For overhauling machinery in basement of Chemical Laboratory	100 00
Total	\$600 00

INSTRUCTION FOR WOMEN.

A petition addressed to Superintendent Raab, as a member of the Board, from the Women's Club, of Peoria, Illinois, signed by some 250 persons, will be laid before you. This asks for the re-introduction of the course in domestic science, or for the establishment of some such course especially for women. You will remember a petition was presented at your September meeting, 1891, for the appointment of one or more women as professors and members of the Faculty. The two subjects may be appropriately considered together, and I need not say will have your careful attention.

FEES FOR INSTRUCTION IN MUSIC.

The question of fees for instruction in music for next year needs attention at this time in order that the proper announcement may be made in the catalogue.

May not much more be made of the department of music? Why should it not be included in the regular system of instruction? Is it not easily feasible to make this an important and attractive sub-part of the University?

LAW SCHOOL.

I present herewith a petition signed by fifty-two students asking for the establishment of a department of law in the University. There seems to be no valid reason against the location here for the organization of a law school. Colleges of medicine seek the large cities, but law schools flourish outside of the great centers of population. That a course of law would be well attended here cannot be doubted, as indeed the

signatures to this petition indicate. That it would be self-sustaining cannot be so confidently asserted, hence the more need of a judicious consideration of the subject. All will agree that it is an important matter and worthy of the best attention that can be bestowed upon it. The question of a medical department is already before you.

REPORTS AND APPROPRIATIONS.

Reports are to be presented to you from special committees on certificates and illustrated advertising forms, on danger from fire in buildings, and on the commencement exercises. In regard to the latter, the Faculty have voted to recommend, upon the request of the senior class, that instead of the orations from members of the latter, some man of prominence be invited to deliver on commencement day an oration suitable to the occasion.

Further requests for appropriations are asked for as follows:

For the department of architecture, for protecting and exhibiting drawings	\$20 60
For veterinary department, for instruments and tools	42 25
For department of Greek, for maps, models, etc	150 00
For repairs and fittings in art gallery	40 00

The following is Professor Morrow's report from the farms:

FARM REPORT.

UNIVERSITY OF ILLINOIS, March 7, 1892.

Dr. T. J. Burrill, Acting Regent,

SIR: I have the honor to present the following report of the operations of the University farms for the three months ending March 1:

Receipts	\$507 78
Expenditures	493 02
Credit balance	\$14 76

Little work has been practicable beyond the care of the live stock. In general, this has been in good health and condition.

The barn on the stock farm needs a new roof and repainting, with a few minor repairs. It is also desirable to have some increase of room for accommodation of workmen on the farm. The arrangements since the burning of the old farm house have not been satisfactory.

I respectfully request that such repairs and improvements as are needed may be authorized to be made under the direction of the Farm Committee. The funds may be taken from the farm account.

G. E. MORROW.

I submit herewith the report of the Board of Direction of the Experiment Station:

AGRICULTURAL EXPERIMENT STATION.

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

DEAR SIR: The Board of Direction of the Agricultural Experiment Station of the University of Illinois makes this report of its work for the past three months.

The accompanying papers give the financial statement.

Paper A is a statement of the expenditures for the quarter ending December 31, 1891.

Paper B is a list of the warrants drawn during the same quarter, and with it are the vouchers for audit, No. 78 to No. 142, inclusive.

Paper C is a statement of expenditures for the current quarter up to March 1st.

Paper D is a statement of the estimates for the quarter ending June 30, 1892.

The Board of Trustees is asked to make appropriations of Station funds according to these estimates.

PAPER A—STATEMENT OF EXPENDITURES FOR QUARTER ENDING DECEMBER 31, 1891.

	Appropriated.	Expended	Balance.
Buildings and repairs.....	\$25 00	.....	\$25 00
Board expense.....	40 00	.....	40 00
Books and publications.....	250 00	\$250 00	.....
Botanical apparatus.....	10 00	1 75	8 25
Bulletins.....	350 00	51 75	298 25
Chemical apparatus.....	50 00	49 89	11
Fuel and lights.....	100 00	100 00	.....
Incidentals.....	25 00	2 05	22 95
Meteorological apparatus.....	8 55	8 55	.....
Printing and stationery.....	25 00	5 50	19 50
Salaries.....	1,800 00	1,762 50	37 50
Seeds and trees.....	40 00	35 76	4 24
Tools and supplies.....	50 00	10 25	39 75
Wages and teams.....	850 00	810 91	39 09
<i>Sundry—</i>			
Corn and wheat experiments.....	25 00	5 75	19 25
Dairying experiments.....	100 00	32 33	67 67
Drainage.....	25 00	.....	25 00
State Fair exhibit.....	80 00	77 30	2 70
Total.....	\$3,853 55	\$3,204 29	\$649 26

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

	Appropriated.	Expended	Balances.
Buildings and repairs.....	\$25 00	.....	\$25 00
Board expense.....	40 00	.....	40 00
Books and publications.....	50 00	.....	50 00
Botanical apparatus.....	60 00	\$26 67	33 33
Bulletins.....	750 00	105 81	644 19
Chemical apparatus.....	275 00	148 02	126 98
Fuel and lights.....	100 00	.....	100 00
Incidentals.....	25 00	.....	25 00
Printing, stationery, and postage.....	25 00	.....	25 00
Salaries.....	1,800 00	1,133 34	666 66
Seeds and trees.....	100 00	.....	100 00
Tools and supplies.....	25 00	.....	25 00
Wages and teams.....	800 00	389 07	410 93
<i>Sundry—</i>			
Dairying experiments.....	25 00	6 75	18 25
Corn and wheat experiments.....	25 00	.....	25 00
Total.....	\$4,125 00	\$1,809 66	\$2,315 34

PAPER D—ESTIMATES.

<i>Quarter Ending March 31, 1892.</i>	
Buildings and repairs.....	\$15 00
<i>Quarter Ending June 30, 1892.</i>	
Buildings and repairs.....	\$500 00
Board expense.....	40 00
Books and publications.....	150 00
Botanical apparatus.....	150 00
Bulletins.....	600 00
Chemical apparatus.....	50 00
Fertilizers.....	50 00
Fuel and lights.....	150 00
Incidentals.....	25 00
Printing, stationery, and postage.....	25 00
Salaries.....	1,900 00
Seeds and trees.....	25 00
Tools and supplies.....	50 00
Wages and teams.....	1,100 00
<i>Sundry—</i>	
Dairying experiments.....	100 00
Corn and wheat experiments.....	100 00
Total.....	\$5,015 00

The Board of Direction will continue work on lines hitherto laid down and asks authority to take up two new experiments:

1. A test of sugar beets, the beets to be raised in at least one place in each of the three grand divisions of the state.
2. Testing varieties of vegetables.

The Board of Direction reports that it has made the following appointments of officers and assistants for the ensuing year, beginning April 1, 1892, and at the salaries named:

Professor George E. Morrow, agriculturist.....	\$300 00
Professor T. J. Burrill, horticulturist and botanist.....	300 00
Professor S. A. Forbes, consulting entomologist.....	.....
Professor D. McIntosh, consulting veterinarian.....	.....
Mr. E. H. Farrington, chemist.....	1,800 00
Mr. G. W. McCluer, assistant horticulturist.....	1,320 00
Mr. G. P. Clinton, assistant botanist.....	850 00
Mr. F. D. Gardner, assistant agriculturist.....	900 00

The Board of Direction also reports that it has re-appointed W. L. Pillsbury, Secretary for the ensuing year at a salary of \$1,500—and to this appointment the consent of the Trustees is asked.

Respectfully submitted,

G. E. MORROW,

President Board of Direction.

I ask your approval of the recommendations contained in the foregoing report.

Respectfully submitted,

T. J. BURRILL,

Acting Regent.

On motion of Mr. McKay, the Experiment Station report was approved, authority was granted to undertake the new experiments named, appropriations were made as asked, and the re-appointment of W. L. Pillsbury as Secretary of the Board of Direction at a salary of \$1,500 a year was confirmed.

On motion of Mr. McLean, the following men were appointed members of the Board of Direction of the Experiment Station for the year beginning April 1, 1892: E. E. Chester, of Champaign; H. M. Dunlap, of Savoy, and H. B. Gurler, of DeKalb, as representatives of the Illinois State Board of Agriculture, the Illinois State Horticultural Society, and the Illinois State Dairymen's Association, respectively; Messrs. Cobb and Funk, of the Board of Trustees; Professors Burrill, Morrow, and Forbes, and Mr. Farrington. Professor Morrow was appointed President of the Board of Direction, and Messrs. Cobb and Chester were named as the members of the Board who should, with the President as chairman, constitute its executive committee.

The following resolution was passed, on motion of Mr. McLean:

Resolved, That the resolution of this Board, passed at its last meeting, directing the Treasurer of the Board to pay bills for the printing and binding of a second edition of the first volume of the Zoölogical Survey of the State of Illinois, on the order of State Board of Contracts, be and is hereby rescinded.

In view of the statement in the Regent's report, that an effort was making by citizens of Urbana and Champaign for a union high school, the following resolution, offered by Mr. Raab, was adopted:

Resolved, That the Board of Trustees of the University of Illinois, regards, with favor, the proposition to establish a township high school for the cities of Urbana and Champaign, and promises to such high school every support compatible with the interests of the University and the laws of the state.

It was voted, on motion of Mr. Raab, that a committee of three be appointed to confer with the authorities of the state normal schools, as to how credits should be given to students of the normal schools who should go from them to the University.

The President appointed the Committee on Instruction as such committee.

On motion of Mr. Raab, \$25 was assigned from the state appropriation for apparatus and material for the purchase of four trumpets and target materials for the military department, and \$20 from current funds for the purchase of music for the band.

On motion of Mr. Shawhan, the Business Agent and Lieut. Hills were authorized to expend such an amount as was found necessary in the care of the muskets.

On motion of Mr. McLean, the Board approved the suggestion of Lieut. Hills that for the next term the class in military tactics have two recitations a week.

The request for baths at the gymnasium was referred to the Committee on Buildings and Grounds, to be reported on at the next meeting.

A sum not to exceed \$90 was appropriated from current funds to be expended in sending *The Illini* for the rest of the college year to county superintendents of schools and to high schools.

Mr. Pillsbury reported a donation to the University of 242 volumes and a large number of pamphlets by Mrs. Sarah S. Flagg, of Moro, Ill. These books are from the library of her husband, the late Hon. Willard C. Flagg, who was one of the charter members of this Board, and for many years its Corresponding Secretary.

Messrs. McLean, Raab, and Shawhan were appointed a committee to prepare a resolution acknowledging this donation.

The Board then adjourned to 7:30 o'clock.

EVENING SESSION.

The report of the Treasurer, Mr. J. W. Bunn, was received, and referred to the Finance Committee, on motion of Mr. Funk:

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

		<i>Dr.</i>		
1891.				
December	8	To balance.....		\$92,517 12
1892.				
January	2	.. interest on Chicago water bonds.....	\$875 00	
		.. .. Sangamon county bonds	400 00	
		.. .. from Treasurer.....	1,650 00	
				2,925 00
	16	.. amount received on account of fuel and lights		40 00
	30	.. .. redemption of Nebraska lands ..	\$12 30	
February	10	.. .. ..	56 82	
		.. interest on Champaign school bonds		69 12
		.. .. land contract No. 5, Miller & Bashor	\$46 00	270 00
		.. .. 6, J. J. Middle on, as- signee	41 60	
		.. .. 10, John Ellis, assignee..	72 00	
		.. .. 13, H. J. Willis	120 00	
		.. .. 14, W. L. Collins.....	97 60	
		.. .. 18, C. G. Jesse, assignee..	96 00	
		.. .. 19, L. Larsen	72 00	
		.. .. 21, Dennis Magner	24 00	
		.. .. 23, James Lowe.....	121 00	
		.. .. 28, A. L. Wright, assignee ..	83 20	
		.. .. 30, E. L. Baughman	40 00	
		.. .. 31, J. H. Hanson	72 00	
		.. .. 32, P. C. O'Brien	123 48	
		.. .. 34, J. & H. J. Swoboda..	48 00	
		.. .. 35, J. K. Rush and J. N. Bashor, assignees.....	48 00	
		.. .. 36, W. H. Ruyle, assignee ..	249 92	
		.. .. 37, W. T. Gore	251 60	
		.. .. 38, N. R. Simpson, as- signee	120 00	
		.. .. 39, J. E. Blickenstaff	120 00	
		.. .. 40, Joseph Dezort	175 70	
		.. .. 41, Uriah M. Losey, as- signee	129 36	
		.. .. 42, W. S. Morton and F. L. Marrs.....	120 00	
		.. .. 43, A. L. Wright, as-ignee ..	139 77	
		.. .. 45, J. Blevins and Miller..	124 48	
		.. .. 46, W. H. Ruyle, assignee ..	199 94	
		.. .. 47, M. Hubka.....	103 90	
		.. .. 53, F. Novotny, assignee..	166 40	
		.. .. 54, B. F. Leiby	128 40	
		.. .. 57, C. Anderson.....	72 00	
		.. .. 58, E. Mulhausen	115 00	
		.. .. 59, Frank Havlina.....	28 80	
		.. .. 60, James Havlina	28 80	

Treasurer's Report—Continued.

		Dr.		
1892.				
February 10	To interest on land contract No. 61, A. Marquandt.....	\$320 20		
" "	" " " " " " " " 63, Riet O. Branton	16 14		
" "	" " " " " " " " 64, E. Lindquist.....	66 50		
" "	" " " " " " " " 65, Josef Cuta & Wenzel			
" "	" " " " " " " " Kopacek.....	64 40		
" "	" " " " " " " " 66, Peter Larssen.....	56 00		
" "	" " " " " " " " 67, T. D. Davidson.....	51 70		
" "	" " " " " " " " 68, Frank Topka.....	46 37		
" "	" " " " " " " " 69, Berthel Pederson.....	8 57		
" "	" " " " " " " " 70, Lars Ingebrightsen....	8 57		
" "	" " " " " " " " 71, Thomas P. terson.....	7 84		
" "	" " " " " " " " 72, L. A. Treibey.....	37 33		
" "	" " " " " " " " 73, Olof Mattson.....	32 43		
" "	" " " " " " " " 74, Berthel Pederson.....	5 02		
" "	" " " " " " " " 75, Swan J. Hallquist.....	19 83		
" "	" " " " " " " " 76.....	19 83		
" "	" " " " " " " " 77, William Buethe.....	19 83		
" "	" " " " " " " " 78.....	19 83		
" "	" " " " " " " " 79, Ole Sorenson.....	17 50		
" "	" " " " " " " " 80, William Doering.....	16 33		
February 29	am't rec'd on account buildings and grounds.....	\$47 00		\$4,213 17
" "	" " " " " " " " fuel and lights.....	71 43		
" "	" " " " " " " " mechanical department.....	405 11		
" "	" " " " " " " " architectural department.....	1,684 55		
" "	" " " " " " " " agricultural department.....	473 25		
" "	" " " " " " " " horticultural department.....	70 70		
" "	" " " " " " " " laboratories.....	666 97		
" "	" " " " " " " " Minnesota and Nebraska lands.....	35 00		
" "	" " " " " " " " Griggs farm, rent.....	320 00		
" "	" " " " " " " " University students' fees.....	3,713 00		
" "	" " " " " " " " preparatory year.....	750 00		
" "	" " " " " " " " music fees.....	197 00		
				8,439 04
				\$108,473 45
		Cr.		
1892				
February 29	By amount paid on account Board expense.....	\$188 32		
" "	" " " " " " " " salaries.....	2,819 08		
" "	" " " " " " " " buildings and grounds.....	608 66		
" "	" " " " " " " " fuel and lights.....	1,537 16		
" "	" " " " " " " " stationery and printing.....	292 96		
" "	" " " " " " " " preparatory year.....	483 32		
" "	" " " " " " " " mechanical department.....	406 69		
" "	" " " " " " " " architectural department.....	1,858 98		
" "	" " " " " " " " agricultural department.....	652 33		
" "	" " " " " " " " horticultural department....	149 05		
" "	" " " " " " " " military department.....	19 46		
" "	" " " " " " " " laboratories.....	747 70		
" "	" " " " " " " " library and apparatus.....	12 59		
" "	" " " " " " " " incidental expense.....	164 45		
				9,940 75
	By amount paid on account water supply.....	\$100 00		
" "	" " " " " " " " furniture and fixtures.....	65 61		
" "	" " " " " " " " gymnasium.....	8 15		
" "	" " " " " " " " lumber sheds, etc.....	923 49		
" "	" " " " " " " " Minnesota and Nebraska			
" "	" " " " " " " " lands.....	48 80		
" "	" " " " " " " " farm barn.....	3 83		
" "	" " " " " " " " Academy society.....	55 00		
" "	" " " " " " " " flag-staff and flags.....	226 58		
" "	" " " " " " " " premium on bonds.....	630 00		
" "	" " " " " " " " University extens' n' lectures	57 21		
" "	" " " " " " " " military scholarships.....	60 00		
" "	" " " " " " " " electric clock.....	45 13		
" "	" " " " " " " " Illini press, type, etc.....	355 71		
" "	" " " " " " " " flag raising.....	4 00		
" "	" " " " " " " " front doors.....	5 95		
" "	" " " " " " " " accredited schools.....	14 10		
" "	" " " " " " " " music fees.....	197 00		
				2,800 56

Treasurer's Report—*Concluded.*

		<i>Cr.</i>			
		<i>State Appropriations—</i>			
1882.					
February 29	By amount paid on account	buildings and grounds.....	\$243 51		
	"	apparatus and material.....	185 46		
	"	mechanical and arch't shops	561 30		
	"	books and publications.....	864 35		
	"	cabinets.....	15 65		
	"	expenses of instruction.....	7,049 82		
	"	heating Military Hall.....	2,462 08		
	"	farm barn.....	243 24		
	"	metallurgical laboratory....	73 41		
	"	natural science building....	9,934 08		
	"	State Laboratory of Natural History.....	1,283 03		
	"	United States fund.....			\$22,915 93
					11,344 95
					\$47,002 19
	Balances—Current funds.....		\$9,871 22		
	State appropriations.....		38,944 45		
	United States fund.....		12,655 59		
					61,471 26
					\$108,473 45

Urbana, March 8, 1892.

JOHN W. BUNN, *Treasurer.*

The report of the Business Agent, Professor S. W. Shattuck, was received.

BUSINESS AGENT'S REPORT.

UNIVERSITY OF ILLINOIS, March 8, 1892.

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

SIR: I have the honor to hand you herewith the financial statements and report due from me for the three months ending February 18, 1892.

Paper A is a statement of the current expenses and receipts for that time.

Paper B is a showing of the state appropriations, February 29, 1892.

Paper C gives the condition of the United States Fund, on February 29, 1892, for the three years ending June 30, 1892.

Paper D is a list of vouchers presented for audit, being 1 to 325.

Paper E is an estimate of receipts and expenses for the six months ending September 1, 1892, from current funds.

Paper F is a list of appropriations the Board is asked to make at this time for the three months ending June 1, 1892.

Your attention is also drawn to the balances in the state appropriations, as it is desirable to expend them by June 1st, since the proper vouchers should be had before July 1st.

Paper G is an estimate for a fuel gas plant for the University. I asked Professor Palmer to get it. I believe the matter should be looked into, in the interest of economy.

Respectfully submitted,

S. W. SHATTUCK, *Business Agent.*

PAPER A—CURRENT APPROPRIATIONS.

	Appropriated	Receipts also appropriated.	Expended.	Balance.
Board expense.....	\$424 04	.....	\$188 32	\$235 72
Salaries for instruction.. { Current..	16,095 72	.....	1,164 50	4,179 90
{ State.....		.....	7,049 82	
{ U.S. fund		.....	3,701 50	
Salaries for services.....	1,674 50	.....	1,654 58	19 92
Buildings and grounds.....	622 10	\$47 00	608 66	60 44
Fuel and lights.....	2,077 03	111 43	1,537 16	651 30
Stationery and printing.....	424 38	.....	292 96	131 42
Mechanical department.....	70 87	405 14	406 69	69 32
Architectural.....	447 25	1,684 55	1,858 98	272 32
Agricultural.....	576 78	473 25	652 33	397 70
Horticultural.....	100 39	70 70	149 05	22 04
Military.....	52 30	.....	19 46	32 84
Laboratories.....	254 22	666 97	747 70	173 49
Library and apparatus.....	23 92	.....	12 59	11 33
Incidentals.....	235 06	.....	164 45	70 61
<i>Sundries—</i>				
Water supply.....	100 00	.....	100 00	.....
Furniture and fixtures.....	158 68	.....	65 61	93 07
Gymnasium.....	95 70	.....	8 15	87 55
Lumber sheds, etc.....	923 49	.....	923 49	.....
Minnesota and Nebraska lands.....	52 47	35 00	48 80	38 67
Farm barn.....	989 00	.....	3 83	985 17
Academy society.....	68 46	.....	55 00	13 46
Flag-staff and flags.....	228 33	.....	226 58	1 75
Premium on bonds.....	630 00	.....	630 00	.....
University extension lectures.....	500 00	.....	57 21	442 79
Bulletins, etc.....	150 00	.....	.....	150 00
Military scholarships.....	60 00	.....	60 00	.....
Electric clock, etc.....	180 00	.....	45 13	134 87
Illini, press, type, etc.....	400 00	.....	355 71	44 29
Flag raising.....	35 00	.....	4 00	31 00
Front doors, etc.....	300 00	.....	5 95	294 05
Accredited schools.....	100 00	.....	14 10	85 90
Preparatory year fees.....	.....	750 00	483 32	266 68
Music fees.....	.....	197 00	197 00	.....
University students' fees.....	.....	3,718 00	.....	3,718 00

PAPER B—STATE APPROPRIATIONS.

	Received.	Expended.	Balance.	Assigned.
Taxes on Minnesota lands.....	\$1,511 24	\$1,511 24	.....	.....
Buildings and grounds.....	2,500 00	2,486 34	\$13 66	\$13 66
Apparatus and material.....	1,500 00	922 41	577 59	427 79
Mech. and Arch. shops.....	2,000 00	736 91	1,263 09	605 89
Books and publications.....	1,000 00	936 06	63 94	63 94
Cabinets.....	500 00	74 15	425 85	425 85
Expenses of instruction.....	20,000 00	11,649 72	8,350 28	8,350 28
Heating Military Hall.....	3,500 00	2,465 86	1,034 14	1,034 14
Farm barn.....	2,500 00	2,393 31	106 69	106 69
Furniture.....	1,000 00	347 73	652 27	27 27
Natural science building.....	30,000 00	14,251 86	15,748 14	15,748 14
Furniture for same.....	5,000 00	.....	5,000 00	.....
Metallurgical laboratory.....	4,000 00	3,479 95	520 05	20 48
	\$75,011 24	\$41,255 54	\$33,755 70	\$26,824 13
Illinois State Laboratory of Natural History.....	9,650 27	4,461 52	5,188 75	1,063 68

PAPER C—UNITED STATES FUND.

	Received.	Expended.	Balance.	Assigned.
<i>Year ending June 30, 1890.</i>				
Salaries for instructors.....	\$7,500 00	\$7,500 00	.....	.....
Electric laboratory	2,500 00	2,500 00	.....	.....
Mechanical	1,000 00	1,000 00	.....	.....
Chemical	1,000 00	1,000 00	.....	.....
Civil engineering.....	500 00	500 00	.....	.....
Botany and physiology	500 00	500 00	.....	.....
Natural history	2,000 00	1,490 51	\$509 49	\$410 09
	\$15,000 00	\$14,490 51	\$509 49	\$410 09
<i>Year ending June 30, 1891.</i>				
Salaries for instruction.....	8,000 00	8,000 00	.....	.....
Physical laboratory	1,175 00	1,175 00	.....	.....
Electric	500 00	500 00	.....	.....
Chemical	610 00	610 00	.....	.....
Architectural department.....	1,430 00	816 33	613 67	613 67
Mechanical	520 00	520 00	.....	.....
Mineralogical and geological labora-				
tories	60 00	.....	60 00	60 00
Botanical laboratory.....	50 00	40 57	9 43	9 43
College of engineering.....	700 00	284 59	415 41	415 41
Civil engineering.....	955 00	612 08	342 92	342 92
Library	2,000 00	1,049 93	950 07	950 07
	\$16,000 00	\$13,608 50	\$2,391 50	\$2,391 50
<i>Year ending June 30, 1892.</i>				
Salaries for instruction.....	8,500 00	3,701 50	4,798 50	4,798 50
Chemical and civil engineering desks..	120 00	120 00	.....	.....
Library	2,000 00	.....	2,000 00	2,000 00
Architectural department	182 00	154 37	27 63	27 63
Mechanical	1,100 00	999 53	100 47	100 47
Civil engineering	260 00	.....	260 00	260 00
Physical laboratory.....	200 00	200 00	.....	.....
Electrical	2,070 00	2,070 00	.....	.....
General	2,568 00	.....	2,568 00	.....
	\$17,000 00	\$7,245 40	\$9,754 60	\$7,186 60

The vouchers, with Paper D, were referred to the Finance Committee on motion of Mr. Funk.

Paper G, with regard to a gas plant, was referred to the Committee on Buildings and Grounds.

MINNESOTA LANDS.

The committee on Minnesota lands made the following report:

To the Board of Trustees of the University of Illinois.

GENTLEMEN: Your committee on Minnesota lands begs leave to report what it has done since your last meeting.

The committee has taken from Mr. F. Topka an assignment of his contract for N. W. $\frac{1}{4}$, 6, 116, 32, and has had this assigned contract recorded in Renville county. At the same time Mr. Topka furnished an abstract of the title to the land, which showed that he had not in any way conveyed or encumbered the land. When this had been done a contract was given him, bearing date January 2, 1892, for the N. W. $\frac{1}{4}$, 6, 116, 34, Renville, 169.13 acres, at \$10 per acre. On this purchase a credit of the amount paid on his first contract, \$387.57, was allowed him, and in addition he paid \$35.25 on account of the excess in acreage in the tract conveyed by the second contract.

By a letter to this Board from the General Land Office, dated March 29, 1884, information was given that there was a conflict as to the ownership of the S. E. $\frac{1}{4}$, 24, 124, 36, Pope county, Minnesota, it appears that by the records of the Land Office, the plat shows this S. E. $\frac{1}{4}$ entered by this University, and that the S. W. $\frac{1}{4}$ of the same section was entered by agricultural college scrip, issued to Massachusetts. The tract book shows the S. E. $\frac{1}{4}$ entered by Massachusetts scrip and the S. W. $\frac{1}{4}$ entered by this University; and, to complete the confusion, patents were subsequently issued to both parties for the S. E. $\frac{1}{4}$. Some correspondence was had with regard to the matter at that time, and the record of the Board meeting of November 9, 1886, shows that the Committee on Nebraska and Minnesota Lands was authorized to take such steps as should be necessary to protect the interests of the University.

April 20, 1887, Dr. Peabody visited the Land Office in Washington, filed a complete statement of the case in the name of the committee, and asked that, inasmuch as several conveyances of the S. E. $\frac{1}{4}$ had been made in good faith under the Massachusetts patent, and as the holder under that patent was in possession of the land and had made considerable improvements, the University be allowed to surrender its patent to the S. E. $\frac{1}{4}$, and to re-locate its scrip upon the S. W. $\frac{1}{4}$, and receive a patent therefor.

Not having heard further from the case, Dr. Peabody wrote the Land Office with regard to it June 15, 1891. This letter was not answered, and February 5th last Mr. Pillsbury wrote Hon. S. T. Busey, asking him to visit the Land Office and ascertain what disposition, if any, had been made of the case. A few days later Col. Busey wrote that January 13, 1892, the case had been decided in favor of the University, and that the decision had been transmitted February 3d to the local land office. Application was at once made to the General Land Office for a copy of the decision. In reply the following paper was received last Saturday:

DEPARTMENT OF THE INTERIOR.

R. W.
L. R. S.

Vol. 14,703.

WASHINGTON, January 13, 1892.

FRANK M. EDDY }
vs. } *Timber culture entry—Act of March 3, 1891, Section 1.*
UNITED STATES, }

Copy of so much of the decision of the First Assistant Secretary in the above case as relates to the University of the State of Illinois in the matters relating to the S. E. $\frac{1}{4}$ and S. W. $\frac{1}{4}$ of section 24. in township 124 N., range 36 W. 5th P. M.

"Upon the surrender of the patent issued to said University, with a relinquishment endorsed thereon, together with a quit-claim deed from said University, recorded in the office for the record of deeds in the county where said land lies, with a certificate from the proper recording officer of said county, that the said University has not transferred or encumbered the title acquired by said patent, said location of college scrip (No. 1491) may be canceled, and said scrip may be located upon said S. W. $\frac{1}{4}$, and patent may issue immediately thereupon to said University. Your judgment is affirmed."

GEO. CHANDLER,
First Assistant Secretary.

The committee assumes that the decision will be accepted by the Board, as both Dr. Peabody and Professor Shattuck agree, from personal inspection, that the S. W. $\frac{1}{4}$ is as valuable as the S. E. $\frac{1}{4}$, and it recommends that the President and Secretary of the Board be directed to surrender the patent for the S. E. $\frac{1}{4}$, with relinquishment endorsed thereon, and to

make to the United States a quit-claim deed for the same; and that your committee on Minnesota lands be empowered to take all further steps necessary to secure a patent for the S. W. $\frac{1}{4}$ of 24, 124, 36, Minnesota.

Respectfully submitted,

S. A. BULLARD,	} Committee on Minnesota Lands.
S. W. SHATTUCK,	
W. L. PILLSBURY.	

On motion of Mr. Raab, the report was approved, and the President and Secretary were authorized to relinquish the patent and quit-claim the S. E. $\frac{1}{4}$ 24, 124, 36, Pope county, Minn., to the United States, and the committee was instructed to take measures to secure a patent for S. W. $\frac{1}{4}$ of said section 24.

The Regent and the President were appointed a committee with whom the members of the Christian Associations of the University might confer in regard to the building they propose to erect.

On motion of Mr. Graham \$500.00 was appropriated from the U. S. fund to meet the deficit in appropriations made for the electric laboratory.

The matter of lighting the University buildings by electricity was referred to the Committee on Buildings and Grounds, to be reported on at the next meeting of the Board.

Permission was given the Philomathean Society to put in a wire for lighting their hall by electricity, to be used on the night of March 18th only, the wire to be put in under the direction of Professor Stratton.

On motion of Mr. McLean, \$150.00 was appropriated from current funds for putting in a good vitrified brick floor in the store room of the Chemical Laboratory.

On motion of Mr. Funk, \$50.00 was appropriated from current funds for shelving in the same room.

On motion of Mr. Graham, \$350.00 was appropriated from the U. S. fund for three desks, each for eight students, in the chemical laboratory.

On motion of Mr. McKay, there was appropriated from state appropriation for mechanical and architectural shops—

For a pump.....	\$225 00
For water motors.....	80 00
Water meters.....	140 00
Other apparatus.....	55 00
Specimens for tests.....	25 00
Total.....	\$525 00

On motion of Mr. McLean, it was ordered that this sum be spent under the supervision of the President, the Regent, and Professor Talbot.

The matter of a draughting room for the mechanical engineering department was referred to the Committee on Buildings and Grounds, to be reported at the next meeting.

On motion of Mr. McLean, the question of changes in the courses of study was referred to the Executive Committee of the Faculty and the Committee on Instruction, with power to act.

While the subject of graduate courses and fellowships was under consideration, the Board adjourned to meet at 8 o'clock a. m.

SESSION OF WEDNESDAY MORNING.

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

The question of graduate courses and fellowships was referred to the Executive Committee of the Faculty and the Committee on Instruction, with power to act, on motion of Mr. Raab.

The committee appointed to draft resolutions with regard to Mrs. Flagg's donation, made the following report, which was adopted:

WHEREAS, Mrs. Sarah S. Flagg, of Moro, Ill., widow of the late Hon. Willard C. Flagg, formerly a member of this Board, has kindly and generously donated to this University 242 volumes of rare and valuable books and a large number of pamphlets; therefore be it

Resolved, That the thanks of this Board be, and they are hereby, tendered to Mrs. Flagg for these books; and that they be received and duly entered upon our library records as the donation of Mrs. Flagg from the library of Willard C. Flagg.

Resolved, That these resolutions be entered upon our record, and that a copy of them be sent to Mrs. Flagg.

ALEX. MCLEAN,	} Committee.
HENRY RAAB,	
G. R. SHAWHAN,	

By invitation, the committee of the Faculty on public exercises and the committee of the Alumni Association were received by the Board, and the question of celebrating properly at commencement time the twenty-fifth anniversary of the founding of the University and the twentieth anniversary of the Alumni was made the subject of a general discussion.

The following resolution, offered by Mr. McLean, was adopted:

Resolved, That all the necessary expenses incident upon arranging to commemorate suitably by exercises during commencement week the quarter centennial anniversary of the University and the twentieth of the Alumni be borne by the University; and that a committee of this Board be appointed, with power to act, to coöperate with a committee of the Faculty and a committee of the Alumni.

Messrs. McLean, Morgan, Graham and the President were appointed as this committee.

On motion of Mr. Raab, it was voted that the Faculty may for this year secure some distinguished person to deliver an address at commencement and provide for other exercises suitable to the occasion, as it may deem best.

The question of establishing courses in Italian and Spanish was referred to the Committee on Instruction and the executive committee of the faculty, on motion of Mr. Raab.

On motion of Mr. McLean, it was voted that especial attention be given to coal mining in the course in mining engineering, as suggested by Professor Baldwin.

The following appropriations were made for the mining engineering department:

From state appropriation for metallurgical laboratory—

For surveying outfit.....	\$500 00
---------------------------	----------

From U. S. fund—

For overhauling machinery plant.....	\$100 00
--------------------------------------	----------

The question of establishing a course of study in domestic science, and a communication received by Mr. Raab from the Women's Club, of Peoria, were referred to the committee on instruction and the Regent, on motion of Mr. McLean.

The Board then took a recess to go to chapel exercises.

When the Board reassembled Miss Katherine L. Kennard, of Champaign, was given an opportunity to present her reasons in favor of a course in domestic science, or home economy, to be in charge of a woman who should be a full professor, and some suggestions as to the course.

On recommendation of the Committee on Instruction, it was voted that for next year the fees in music should be

Instrumental music—

Instruction, term of ten weeks, two lessons a week.....	\$15 00
Term of ten weeks, one lesson a week.....	8 00

Vocal music and voice culture—

Instruction, term of ten weeks, two lessons a week.....	\$20 00
Term of ten weeks, one lesson a week.....	12 00

With regard to establishing a law school, Mr. McLean offered the following resolution, which was adopted:

WHEREAS, The matter of establishing a law department in the University has been presented by members of the senior and other classes of this institution; and,

WHEREAS, Though the necessary funds are not at present available, we believe the time is not remote when such a department should be established, and deem it our duty to work earnestly to obtain legislative aid for instruction in law; therefore, be it

Resolved, That the committee on instruction be and is hereby requested to inquire at once into the power and practicability of this Board's appropriating from our present income the necessary funds to establish on a sufficient foundation such a department; and further to report a plan for such legislative or other aid as they may deem best for the furtherance of this object.

Twenty dollars was assigned from the state appropriation for apparatus and material for the purchase of frames for drawings, for the architectural department.

For the purchase of instruments and tools for the veterinary department, \$42.25 was assigned from the U. S. fund.

From current funds, \$40 was assigned for some repairs, etc., in the art gallery.

On motion of Mr. Raab, \$150 was assigned from the state appropriation for apparatus and material for the purchase of maps, photos, and lexicons for the use of classes in Greek, the money to be expended by the Business Agent and Professor Moss.

On motion of Mr. McKay, \$60 was appropriated from current funds for the payment of the military scholarships this term.

From current funds, \$200 was appropriated for commencement expenses.

Authority was given the Business Agent to use the balance of the state appropriation for furniture in purchasing chairs for the drill hall.

On motion of Mr. Raab, Mr. J. H. Powell's salary was made \$80 a month from March 1st, to the end of the college year, June 30th.

On motion of Mr. Graham, appropriations were made for the three months ending May 31st, as follows, as asked for by the Business Agent in his Paper F:

Board expense.....	\$250 00
Salaries for instruction.....	13,260 00
Salaries for services.....	1,565 00
Buildings and grounds.....	800 00
Fuel and lights.....	750 00
Stationery, printing, and postage.....	400 00
Catalogues and advertising.....	500 00
Mechanical department.....	200 00
Architectural department.....	200 00
Agricultural department.....	200 00
Horticultural department.....	100 00
Laboratories.....	400 00
Library and apparatus.....	100 00
Incidentals.....	250 00
Water supply.....	100 00
Furniture and fixtures.....	100 00
Gymnasium.....	50 00
Farm barn.....	985 17
University extension lectures.....	442 79
Bulletins, etc.....	150 00
Electric clock, etc.....	134 87
<i>Illini</i> , press, type, etc.....	44 29
Front doors.....	294 05
Accredited schools.....	85 90
Total.....	\$21,362 07

On motion of Mr. Graham, assignments of funds of the State Laboratory of Natural History were made for the quarter ending June 30, 1892, as follows:

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

On motion of Mr. Shawhan, the Director of the State Laboratory of Natural History was authorized to provide, from the funds of the State Laboratory available for that purpose, and, as opportunity may arise, for work in the library of the laboratory and for assistance in the preparation of his entomological reports, at the rate of \$1,000 a year, for that purpose.

The Board then took a recess to 1:30 p. m.

SESSION OF WEDNESDAY AFTERNOON.

The Executive Committee made the following report:

To the Board of Trustees of the University of Illinois.

GENTLEMEN: At a meeting of the Executive Committee of the Board of Trustees, held in Chicago January 14, 1892, at which all the members were present, the committee made appropriations as follows:

For payment of expenses of examiners of high schools for accredited list.....	\$100 00
For the necessary expenses of the State Laboratory of Natural History, for six months ending March 31, 1892—	
For field, office, and incidental expenses	750 00
For salaries and assistance.....	1,750 00
For publication of bulletins.....	250 00

Respectfully submitted,

S. A. BULLARD, *Chairman.*

W. L. PILLSBURY, *Secretary.*

The report was confirmed.

On the proposition of affiliation with the University by the Chicago College of Physicians and Surgeons, which was referred to the Executive Committee at the last meeting of the Board, the following report was made:

To the Board of Trustees of the University of Illinois.

GENTLEMEN: Your Executive Committee, to which was referred the proposition of the College of Physicians and Surgeons of Chicago, will say that your Committee visited Chicago and met the members of the committee of the College, and examined the facilities of the College for instruction in medicine and surgery. We were well pleased with the institution, and believe that it is capable of doing thorough work.

Your chairman submitted to the Attorney General of the state the question of the legality of accepting the proposition of the College. The letters are submitted as a part of this report.

SPRINGFIELD, ILLINOIS, Feb. 19, 1892.

Hon. George Hunt, Attorney General of the State of Illinois,

DEAR SIR: At the regular meeting of the Board of Trustees of the University of Illinois in December last, a representative of the College of Physicians and Surgeons, of Chicago, appeared before the Board and made the following proposition, which was referred to the Executive Committee of the Board. Before making its report the Committee desires the opinion of the Attorney General upon the legal questions involved in the acceptance of the proposition.

PROPOSITION OF THE COLLEGE OF PHYSICIANS AND SURGEONS.

"That the College of Physicians and Surgeons be immediately made an affiliated institution of the University of Illinois, and that it be termed the Medical Department of the University of Illinois; that one of the present Board of Directors of the College of Physicians and Surgeons immediately resign and his place be filled by the appointment of one of the Board of Trustees of the University of Illinois; that the University undertake the teaching of some of the branches in the College and receive stock in the corporation in proportion to the amount of money expended; that the University receive also as a bonus a certain amount of stock each year in the existing corporation, say \$4,000 or \$2,000, as the Board of Directors of the College of Physicians and Surgeons and the Trustees of the University may mutually agree upon; that the Board of Trustees of the University be represented in the Board of Directors of the College in proportion to the amount of stock which is held by them. That is to say, the University becomes a partner in the Medical College until such time as it secures the entire control of the institution."

It was also stated that the College of Physicians and Surgeons is a stock company with a capital of \$60,000, of which \$44,000 is paid up.

The committee would like answers to the following questions:

- (1.) Will the laws of the state permit the Board of Trustees to accept the proposition of the College of Physicians and Surgeons, as stated?
- (2.) If not, how must the proposition be modified so that the Board of Trustees may legally accept it?

I am, sir, your obedient servant,

S. A. BULLARD,

Chairman of Executive Committee.

SPRINGFIELD, ILLINOIS, March 3, 1892.

S. A. Bullard, President Board of Trustees, University of Illinois, Springfield, Ill.,

DEAR SIR: Your favor of the 19th ult., submitting for my consideration a proposition made to the Board of Trustees of the University of Illinois by the College of Physicians and Surgeons, and asking whether the laws of the state of Illinois permitted the Board of Trustees to accept the proposition as stated, is at hand.

This proposition, in substance, proposes a partnership of the College of Physicians and Surgeons with the University of Illinois upon terms stated therein, and, in my opinion, the Board of Trustees have no authority to enter into such partnership or to lend the aid of the University in any way to the success of a private enterprise. I see no way in which the proposition could be modified so as to retain its present character and come within the power of the Board of Trustees.

Section 6 of the "Act to regulate the Illinois Industrial University," approved May 7, 1873, beginning on page 25 of the pamphlet submitted by you, provides "that all persons attending the said University shall be taught and shall study such branches of learning as are related to agriculture and the mechanic arts, and as are adapted to promote the liberal and practical education of the industrial classes in the several pur-

suits and professions of life, without excluding other scientific and classical studies, and including, for all male students, military tactics."

In my opinion, in establishing the course of studies, the Board of Trustees would be limited to the provisions of this section, but they will be the judges of whether or not the proposed studies are within this section.

Very respectfully,

GEORGE HUNT, *Attorney General.*

Your Committee finds that this Board has no legal power to entertain and accept the proposition of the College of Physicians and Surgeons, and recommends that the College be notified of our legal powers in this matter. Your Committee feels that a medical department, located in Chicago, would be a most valuable and substantial enlargement of the work of the University, and hopes that the establishment of such a department may not be long deferred.

S. A. BULLARD,	} <i>Executive Committee..</i>
EMORY COBB,	
LAFAYETTE FUNK,	

The report was approved for record.

The Committee on Buildings and Grounds made the following report:

To the Board of Trustees of the University of Illinois.

GENTLEMEN: Your Committee on Buildings and Grounds desires to make the following report:

Your Committee is gratified to report the progress in the construction of the natural science building. The work is doing in a good and substantial manner, entirely satisfactory to the Committee. The materials which the contractor is using are also entirely satisfactory. We have appointed Mr. S. P. Sutton permanent superintendent of the building, at a salary of one hundred dollars per month by the authority given us at the last meeting. We recommend that your Committee on Buildings and Grounds be authorized to make a contract with Mr. Valentine Jobst, contractor of the new building, that for a consideration of \$250 dollars, he turn over to the Board of Trustees, at the close of his contract for the construction of the new building, the building complete, without loss or damage by fire or otherwise.

The new front doors to University Hall have been put in place, though the work is not fully completed. We recommend the appropriation from current funds of an additional amount of \$25 to complete the same.

The heating of Military Hall is not yet completed, and will be reported upon at a future meeting.

The dry kilns and lumber sheds for the architectural shops are completed, and are very satisfactory. We ask for an additional appropriation of \$85 for that work.

The boiler and engine for the electrical laboratory were purchased, and have been put in in a very excellent way. There is some additional expense for labor and extra fittings not contemplated in the appropriation. This is fully explained in the report of the Regent and Professor Stratton.

Professor Stratton shows us that all the purchases of machinery for the electric laboratory have been at reduced rates, and he has also secured donations as follows, for which we recommend that he make suitable acknowledgment.

Name of Article.	By Whom Presented.	Value.
Ford water heater for boiler	Wm. Baragwauth & Son, Chicago.....	\$266 25
Pump for boiler	H. Worthington Pump Co., Chicago.....	100 00
Steam separator for engine	Stratton Separator Co., N. Y.	50 00
Electric current meter.....	W. A. Martin.....	31 00
100 assorted carbons	National Carbon Co., Cleveland, O.	15 00
15 assorted carbons	Washington Carbon Co., Washington, Pa..	2 25
1 doz. 16 c. p. lamps	Beacon Vacuum Pump Co., Boston.....	6 00
3 lamps and 2 sockets (1-150 c. p. lamp)...	Sawyer Mann Electric Co., N. Y.	5 25
5 switches and 6 sockets	H. T. Paiste.....	3 50
6 sockets	Union Electric Co.....	1 80
2 lamps	Economic Electric Co., Boston.....	1 00
2 Perkins lamps.....	Clafin & Kimball.....	1 00
6 Packard lamps (1-50, 2-32, 3-16 c. p.)...	New York and Ohio Co., N. Y.	5 00
3 sockets.....	Electric Eng. and Supply Co.....	90
4 Gonda batteries.....	Leclanche Battery Co., N. Y.	4
2 dry batteries.....	Heimer & Anderson.....	
2 dry batteries.....	Thompson & Robertson.....	
2 sal amoniac cells.....	Law Telephone Co.....	
Case of insulated wire.....	New York Insulated Wire Co., N. Y.....	
Total.....		502 45

The machines for the architectural shops were not fully satisfactory, but we hope to succeed in completing the purchases in a short time in a way satisfactory to the professor of architecture.

We append the report of the architect of the new building, Professor N. C. Ricker:

ARCHITECT'S REPORT.

UNIVERSITY OF ILLINOIS, URBANA, ILL., March 7, 1892.

To the Committee on Buildings and Grounds of the Board of Trustees.

GENTLEMEN: I beg leave to present the following report in regard to the matters placed in my charge:

1. The natural science building is now sufficiently advanced to show something of its external effect when completed. The common bricks have been resorted as they were used in the building, and none have been received from the manufacturers since your meeting to settle the soft brick question. I do not fear any further difficulty. The pressed bricks are of the kind and quality specified, and have been properly laid. The ornamental and pink buff bricks for panels, the frieze, etc., have probably been ordered already. Some window frames were rejected at first, but those since delivered are quite satisfactory.

The Bedford stone work of basement, steps, water table, etc., is finished, except the external jointing which will be done in assured warm weather. The front steps make an especially good job, as will be evident on inspection.

Mr. S. P. Sutton, of Springfield, has been appointed superintendent of the work on the building, subject to your approval, and his work has been very satisfactory, as he has an excellent knowledge of construction of all kinds, plenty of nerve and decision, and the power of enforcing his decisions without unnecessary friction. I believe him to be just the man for permanent appointment.

I have found it necessary and advisable to make a few changes in the ventilating registers, in omitting some iron lintels and adding others, which I shall be glad to explain at length to your committee, whenever requested to do so.

In accordance with instructions received from your chairman, I have provided a corner stone with date, the stone and work donated by the Peoria Marble Works, per Mr. H. Isle; also a copper box to be set therein, thus making all ready for the ceremony of setting the corner-stone on Wednesday next.

It will materially improve the external appearance of the building to cover the dormer windows of the roof by slated hip roofs instead of the tinned deck roofs shown on drawings and specified for sake of economy. The proposed roofs are shown on the last perspective made of the building, photographs of which have doubtless been seen by the committee. I therefore request authority to arrange with the contractor for this change, provided that it can be done at a reasonable cost.

2. The architectural lumber shed and dry kiln has been completed at a slight excess over the appropriation, as stated fully in Mr. Parker's report.

3. Machines for architectural shops have been purchased, as described in my last report. Two of them are very satisfactory in all respects, but the third is very much otherwise, and will be returned to the manufacturers, if possible.

4. The front doors of University Hall are not quite finished. The contract for wood-work, sash and glass complete, delivered in Champaign, was let to the Truesdale Manufacturing Co., of Peoria, at \$222, including \$9 extra for beveled plates in doors, being the lowest of the three bids received. This work was executed in the best manner, as you have doubtless noticed, and is now fitted in place. The contract for the hardware was let to the Yale & Towne Manufacturing Co., of Chicago, at \$70 for springs, bronze hinges, lock, extension bolt, push plates, etc., all of bronze, old copper finish, and ornamented where visible. Only the springs and hinges have yet been received, the remainder being still on the way from Connecticut. The cost of the job complete will exceed the appropriation therefore by \$15 or \$20. I therefore request that \$25 be added to the original appropriation for this purpose. Cheaper and poorer hardware might have been used to bring the cost under the limit, but I believe that you would not wish the job to be spoiled in that way, and it is certainly very reasonable in price, in comparison with the cost of city work of similar quality and character.

5. The heating of the Military Hall has been delayed by several causes, which I will state to your committee in full, when desired to do so. The apparatus would have been tested last week, but my illness prevented my doing this. But these tests will probably be completed to-morrow. There was at first considerable difficulty in having the boiler properly set, but this was at last well done. I believe Maltby & Wallace have endeavored to do a good job throughout, furnishing good materials and employing good workmen, so that the completed work is certainly equal at least to the average job in construction and efficiency, though I still doubt whether the apparatus will entirely satisfy all the conditions of the guarantee and contract. There is no apparent loss of heat in the ground trench between the buildings. I have the proper certificate of inspection of the boiler, which has withstood an hydraulic pressure of 150 lb. per square inch. There has also been about 80 lb. steam pressure on it, and about 45 lb. in the heating apparatus, the difference being caused by the pressure reducing valve. I will report the results of the tests of the apparatus, as soon as completed, for your consideration and action.

Very respectfully submitted,

N. CLIFFORD RICKER.

We recommend that Professor Ricker be paid \$350 on account of his contract.

Respectfully submitted,

S. A. BULLARD, }	<i>Committee on Buildings and Grounds.</i>
A. MCLEAN, }	
N. W. GRAHAM, }	

The report was approved and the appropriations asked for contract with Mr. Jobst, \$250.00; for front doors, \$25.00; and for lumber sheds, \$85.00, were made.

It was ordered that \$350.00 be paid Professor Ricker on his contract as architect.

The Committee on Instruction recommended the appointment of Mr. John P. Gordy, of Athens, Ohio, to the professorship of psychology, at a salary of \$2,000 a year, and the appointment was made on motion of Mr. McLean, the salary to begin with the next term, if Professor Gordy should enter upon service at that time; if not, to begin with September 1, 1892.

Professor Burrill and Mr. Shawhan, to whom had been referred at the last meeting the appointment of a professor of mechanical engineering, reported, recommending for the place Mr. C. W. Scribner, of Ames, Iowa. The appointment was made, and the salary fixed at \$2,000 a year, the term of service to begin September 1, 1892.

The Board then took a recess to attend the exercises at the laying of the corner stone of Natural History Hall. The address on this occasion was made by President T. C. Chamberlain, of the University of Wisconsin. The corner stone was laid by Mr. Raab, of this Board.

The committee to whom was referred the matter of devising measures of protection against loss and danger from fire, reported progress and asked for further time, which was granted.

On motion of Mr. Raab, the Business Agent was directed to purchase 6 dozen hand fire grenades to be distributed in the different buildings.

On motion of Mr. Shawhan, the Business Agent was directed to have the doors of the society rooms on the fourth floor of the main building hung to open outwards.

On motion of Mr. McKay, the subject of new buildings was referred to the Committee on Buildings and Grounds, the Finance Committee, and the Executive Committee of the Faculty, with instructions to prepare preliminary plans and estimates, to be presented at the June meeting of the Board.

The committee to which was referred at the last meeting the question of diplomas for accredited schools, etc., reported estimates as follows:

100 diplomas	\$55 00
500 certificates	4 00
8,000 circulars, illustrated, and postage	64 00
	<hr/> \$123 00

And this amount was appropriated for these purposes, to be expended by the Business Agent and Regent.

The President re-appointed the standing committees of the past year, so they remain as follows:

STANDING COMMITTEES.

Executive.—Bullard, Cobb, Funk.

Farm.—Cobb, Funk, Bryant.

Buildings and Grounds.—Bullard, Graham, McLean.

Finance.—Morgan, Clemens, Graham, McLean.

Instruction.—McKay, Shawhan, Raab.

Publications.—President, Regent, Corresponding Secretary.

Library.—Regent, Business Agent, Librarian.

Adjourned.

W. L. PILLSBURY,

Secretary.

S. A. BULLARD,

President.