

ADJOURNED SESSION, WEDNESDAY AND THURSDAY, JULY 5 AND 6, 1893.

The board of trustees of the University of Illinois met in adjourned session at the University Hotel, 17 Congress street, Chicago, at 9 o'clock a. m., July 5, 1893. There were present Messrs. Armstrong, Bullard, Graham, McKay, McLean, Morgan, Morrison, Raab, and Raymond; absent, Governor Altgeld and Messrs. Bryant and Gore.

The minutes of the last meeting were approved.

The board discussed at some length the regency question and adjourned to meet at 7 o'clock p. m.

EVENING SESSION.

The board met pursuant to adjournment.

The committee on instruction reported verbally, recommending the appointment of David Kinley, PH.D., of Madison, Wis., to be assistant professor of political economy and social science, at a salary of \$1,800 a year, and the report was approved.

On motion of Mr. Armstrong, it was voted that instead of a chair of the French language and literature there be established a chair of the Romance languages.

The committee on instruction reported recommending that J. D. Bruner, A.B., of Baltimore, be appointed assistant professor of the Romance languages, at a salary of \$1,800 a year; that Frank M. McMurry, PH.D., of Normal, Ill., be appointed professor of pedagogics, at a salary of \$2,000 a year; and that Edward G. Howe, of Washington Heights, Ill., be appointed principal of the preparatory department, at a salary of \$1,800 a year, and the report was adopted.

On motion of Mr. Raab, it was voted that the committee on instruction consult with the regent and the deans of the several college faculties with regard to the constitution of the faculty of the University, and report thereon to the board at its next meeting.

The committee on instruction reported, recommending that Mr. H. E. Summers be appointed assistant professor in human physiology and vertebrate zoölogy, at a salary of \$1,500 a year, \$1,200 of which should be paid from the university funds and \$300 from the funds of the State Laboratory of Natural History; that James M. White, B.S., be appointed assistant professor of architecture, at a salary of \$1,300 a year; that William D. Pence, B.S., be appointed assistant professor of civil engineering, at a salary of \$1,200 a year; that Mr. George W. Parker be appointed instructor in wood working and foreman, at a salary of \$1,380 a year, the same as he has been receiving.

Also that the following named persons be appointed for the ensuing college year of ten months from September 1, 1893: Miss Edith A. Shattuck, assistant in drawing, at a salary of \$700; Mr. T. A. Clark, B.L., instructor in English, at a salary of \$1,000; Mr. C. D. McLane, B.S., instructor in general engineering drawing, at a salary of \$1,000; Mr. C. B. Clark, assistant in machine shop, at a salary of \$750; Mr. William E. Sanford, PH.C., instructor in pharmacy, at a salary of \$750; Alice M. Barber, M.S., assistant in physiology, at a salary of \$600; Herman S. Piatt, A. B., assistant in modern languages, at a salary of \$800; Mr. Her-

vey E. Parker, assistant in architectural shop, half time, at a salary of \$300; and the appointments were made.

The committee further reported recommending that the salary of Professor C. M. Moss be made \$2,000 a year; that the salary of Professor A. W. Palmer be made \$2,000 a year; and that the salary of Assistant Professor George W. Myers be made \$1,500 a year, and the report was adopted.

The committee on instruction and the regent were given power to fill, with the approval of the president, all places in the corps of instructors that it was necessary to fill.

The business agent made the following report, which was referred to the finance committee:

BUSINESS AGENT'S REPORT.

UNIVERSITY OF ILLINOIS, July 5, 1893.

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

SIR:—The attention of the board is requested to the change in the form of the State appropriation from what it has been in the past. This will necessitate a change in the matter of keeping a record of the expenditures, unless the board sees fit to assign, or set aside at the beginning of each year, some definite sum for each general class; as, "Instruction in departments, \$40,000." If such assignments are not made, the record will be kept as it is for the United States fund.

Attention is also requested to the action of the board at its meeting of Dec. 13, 1892, authorizing the ordering of apparatus and supplies for the departments of physics, electricity, chemistry, and botany, amounting to \$5,200, to be paid for after July 1, 1893. These orders were given, and I now hold bills on that account amounting to some \$3,000, on which payment is expected at once.

An appropriation of the \$5,200 is requested. It might be assigned as follows:

United States fund of 1893-4—

Electricity and physics.....	\$4,000 00
State funds—	

Chemistry.....	500 00
Botany.....	200 00

Current funds (earnings)—

Chemistry.....	500 00
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Appropriations from current funds for several inclosed bills should be made:

James Inglis.....	\$18 00
Bacon, Mittendorf & Hall.....	5 83
“ “ “	3 00
“ “ “	4 36
Total.....	\$31 19

It was expected that these would have been met by the Illinois board of World's Fair commissioners, but its ruling shuts them out.

Last year the excavation for a coal house was made but the building was not put up as the necessary money was not available. Immediate action in this matter and any other, when changes are to be made in the buildings, is requested. The general repairs and cleaning are going on.

Respectfully submitted,

S. W. SHATTUCK,

Business Agent.

After some further discussion of the regency question the board adjourned to meet at 11 o'clock a. m., Thursday.

—9 U. I.

SESSION THURSDAY MORNING.

The board met pursuant to adjournment, the same members being present as on Wednesday, except Mr. Raab.

The finance committee made the following reports, which were severally adopted:

CHICAGO, July 5, 1893.

To the Board of Trustees of the University of Illinois.

GENTLEMEN: Your finance committee recommends the following appropriations as contemplated by the action of the board at its meeting Dec. 13, 1892.

From U. S. fund for 1893—

For departments of physics and electrical engineering.....\$4,000 00

From state funds—

For chemical laboratory..... 500 00

For botanical laboratory..... 200 00

From current funds (earnings of laboratory)—

For chemical laboratory..... 500 00

Respectfully submitted,

ALEXANDER MCLEAN,
JAMES E. ARMSTRONG, } *Finance Committee.*
F. M. MCKAY,

CHICAGO ILL., July 5, 1893.

To the Board of Trustees of the University of Illinois.

GENTLEMEN: Your committee recommends the payment by appropriation from current funds of bills on file:

James Inglis, for bromide pictures..... \$18 00

Bacon, Mittendorf & Hall, for picture frames..... 13 19

Respectfully submitted,

ALEXANDER MCLEAN,
JAMES E. ARMSTRONG, } *Finance Committee.*
F. M. MCKAY,

The committee on buildings and grounds made the following report:

ENGINEERING HALL.

CHICAGO, ILLINOIS, July 6, 1893.

To the Board of Trustees of the University of Illinois.

GENTLEMEN: Your committee on buildings and grounds reports that it met June 7th, immediately after the adjournment of the board, and decided upon a competition for designs for the new engineering hall—the competition to be limited to the graduates of the architectural department of the University.

With the advice of the professors in the engineering courses the number and sizes of the rooms necessary for the building were fixed upon.

Your committee also determined to offer four prizes for the four best designs, the aggregate amount to be \$1,100, \$500 of which was to be applied upon the architect's fees for services, if the architect employed should be the one entitled to the first prize. Two and one-half per cent. of the actual cost of the building was offered as the price of the service of the architect.

It was the desire of the faculty of the college of engineering that there be erected one or two one-story buildings, isolated from the main building, for purposes of laboratory work in magnetic electricity and in other lines. Accordingly, the committee decided to erect one building, costing

about \$110,000, and with the \$20,000 remaining to construct such other buildings as should be needed, and to expend the balance, if any, in special equipment therefor.

The committee submits herewith the circular which was sent out June 9th under its direction:

UNIVERSITY OF ILLINOIS—COMPETITION FOR DESIGNS OF A BUILDING FOR THE COLLEGE OF ENGINEERING.

Designs are asked of architects, graduates of the University of Illinois, for an engineering building to be erected on the grounds of the University, Urbana, Ill.

The building will be designed with a basement 11 feet clear; floor, 2½ feet below ground on front line. Main story, 14 feet clear; second story, 14 feet clear; and attic story, 8 feet at sides and 16 feet clear at centers.

The materials of construction will be stone basement walls to height of water table, superstructure walls faced with hydraulic pressed brick, slate or tile and tin roofs. All interior walls and foundations of interior walls may be of brick masonry, but foundations of all exterior walls must be of limestone, the footings to be of dimension stone.

The external design and style of the building will be left to the competitors, but in general the committee desires a substantial looking building, of good proportions, graceful outlines, and with a small amount of ornamentation about cornices, gables, etc. The committee expresses a preference for a design without a tower.

The interior woodwork will be of oak, floors of quarter-sawed hard pine, using exposed or slow-burning construction for the ceilings.

Competitors will make sketches simply and not elaborate drawings, though the amount of elaboration will be left to them.

Plans will be submitted for each floor, the foundation and roof. No coloring will be allowed on plans beyond what is sufficient to indicate the materials for construction of walls.

Two elevations will be required, one front and one end, both in outline only, in black without any shading.

One perspective will be required. No shading or coloring will be permitted. Details to be worked in lightly but distinctly. Back lining will be allowed. All drawings will be made on a scale of one-eighth of an inch to the foot.

The building is to be limited in cost to \$110,000. This is to include the building alone, but complete—exclusive of heating apparatus, plumbing, gas piping, sewerage, electric wiring or lighting fixtures, and of furniture, but to include all else.

A carefully itemized estimate of the cost must also be submitted by each contestant.

There shall be presented in type-written copy a general, though not an elaborate, specification of the materials and labor to be used in the construction of the building.

This estimate and specification will be used by an expert in making an approximate estimate of the cost of the building.

The drawings must show sections of walls and depths, sizes, thickness, etc., of walls.

The following prizes are offered for designs, which in the opinion of the committee are worthy:

To the design chosen as best.....	\$500
To the design chosen as second best.....	300
To the design chosen as third best.....	200
To the design chosen as fourth best.....	100

If the architect obtaining the first prize has, in the judgment of the committee, experience and professional standing to take charge of the work, he will be engaged to furnish complete working drawings, details, specifications, etc., as architect of the building, at a compensation of two and one-half per cent. of the actual cost of the building. In case, however, he is engaged as architect, the amount of the first prize will be considered as a first payment on the commission.

Each competitor will mark each of his drawings, specifications, etc., with a distinct private mark or name known only to himself, leaving them free from any other names or marks, and will submit a sealed envelope containing his true name, the exterior of the envelope bearing the same mark or name shown on the competitor's drawings.

An expert will be employed by the committee to assist in a selection, which will be made before the envelopes containing the names of the contestants are opened. When the prizes have been awarded, the envelopes will be opened, and the owners of the premiated designs will be notified.

Designs will be sent by express to W. L. Pillsbury, secretary of the board of trustees, Urbana, Ill., so as to reach him on or before 12 o'clock noon Friday, June 30, 1893.

□The following programme is submitted to guide architects in their designs:

MECHANICAL ENGINEERING.

1 class room.....	500 sq. feet
1 class room.....	400 " "
1 drawing room.....	1,200 " "
2 drawing rooms, together, about.....	1,200 " "
1 study.....	300 " "
1 study.....	200 " "
2 studies or office rooms, together.....	450 " "
1 dark room.....	250 " "
1 students' room.....	400 " "
1 seminary room.....	400 " "

ARCHICTECTURE AND ARCHITECTURAL ENGINEERING.

3 recitation rooms, each.....	500 sq. feet
3 drawing rooms, each.....	1,500 " "
1 seminary room.....	500 " "
1 private drawing room.....	500 " "
2 private studies, each.....	200 " "
1 cabinet room.....	1,000 " "
1 photo studio.....	300 " "
1 dark room.....	100 " "
1 blue print room.....	250 " "
1 sensitizing room.....	100 " "
1 printing room.....	200 " "

MUNICIPAL ENGINEERING AND MECHANICS.

1 recitation room.....	600 sq. feet
1 recitation room.....	500 " "
1 draughting room.....	1,000 " "
2 studies, each.....	300 " "
1 office.....	300 " "

CIVIL ENGINEERING.

2 recitation rooms each.....	500 sq. feet
3 drawing rooms each.....	1,000 " "
2 offices or studies, each.....	300 " "
1 seminary room.....	400 " "

1 instrument room.....	700 sq. feet.
1 workshop to instrument room.....	500 " "
1 cement laboratory	700 " "
1 masonry laboratory	500 " "

ELECTRICAL ENGINEERING.

1 general physical laboratory.....	4,000 sq. feet
1 drawing room.....	1,000 " "
1 physical cabinet.....	1,000 " "
1 physical lecture room.....	3,600 " "
1 preparation room, adjoining last.....	400 " "
2 testing rooms, each.....	400 " "
6 study rooms, each	400 " "
2 rooms for standards of measurement, each.....	400 " "
1 constant temperature room.....	400 " "
2 private laboratories for instructors, each.....	500 " "
1 reading room and library.....	400 " "
1 battery room.....	625 " "
1 photometer room	625 " "
1 photographic dark room.....	100 " "

It is desired that there be provided, in addition to the above, one faculty parlor, 600 square feet; one room for meetings of engineering societies, 800 square feet; and such waiting and cloak rooms, toilet rooms, water closets, etc., as are usual and necessary in a building of this character.

S. A. BULLARD,
RICHARD P. MORGAN, } *Committee on Buildings*
N. B. MORRISON, } *and Grounds.*

URBANA, ILL., June 9, 1893.

Fifteen plans were received under the provisions of the circular. Your committee has carefully examined these and from them has chosen for premiums those designated as follows:

First prize, "His x mark."

Second prize, "Night owl."

Third prize, "A Z" in a triangle.

Fourth prize, Gold seal.

The names of the gentlemen who have submitted these designs are still unknown to your committee.

We ask that you appropriate \$1,100 for the prizes offered by the committee and that you authorize your committee to employ an architect and advertise for bids for the construction of the building.

The committee prefers that the letting of the contract for erection be done by the full board.

Respectfully submitted,

S. A. BULLARD,
RICHARD P. MORGAN, } *Committee on Buildings*
N. B. MORRISON, } *and Grounds.*

On motion of Mr. McLean, an appropriation of \$1,100 was made from the state appropriation for the engineering hall to pay the premiums offered for designs by the committee.

On motion of Mr. Raymond, the report of the committee on buildings and grounds was adopted, with the understanding that such minor changes should be made in the plans selected as the committee might find necessary, on consultation with the faculty of the college of engineering.

The letters containing the names of the authors of the several designs presented were then opened and it was found that the design to which the first premium had been awarded was by George W. Bullard, class of 1892, Tacoma, Washington; that the design to which the second premium had been awarded had been presented by Ralph W. Hart, class of 1892, of St. Joseph, Mo.; that the third design was by J. C. Llewellyn, class of 1877, of Chicago; and the fourth, by P. T. Burrows, class of 1892, of Chicago, and J. P. Hubbell.

On motion of Mr. Morgan, the secretary was instructed to request the authors of these several designs to donate them to the University.

And it was further voted to bind such as should be donated in a suitable portfolio and put them with the exhibit of the architectural department of the University at the World's Fair, and afterwards in the cabinet of the department at the University.

The finance committee made the following reports, which were severally adopted:

CHICAGO, July 6, 1893.

To the Board of Trustees of the University of Illinois.

GENTLEMEN: Your finance committee recommends that the sum of \$1,700 be appropriated for purchasing apparatus and instruments to be used in the testing laboratory, the sum to be expended under the supervision of the regent, Dr. Burrill, and the business agent, and to report to this board at its next meeting.

Respectfully submitted,

ALEXANDER MCLEAN, }
JAMES E. ARMSTRONG, } *Finance Committee.*
F. M. MCKAY, }

CHICAGO, July 6, 1893.

To the Board of Trustees of the University of Illinois:

GENTLEMEN: Your committee recommends that the sum of \$300 be appropriated for the purpose of repairs on the University buildings.

Respectfully submitted,

ALEXANDER MCLEAN, }
JAMES E. ARMSTRONG, } *Finance Committee.*
F. M. MCKAY, }

CHICAGO, July 6, 1893.

To the Board of Trustees of the University of Illinois.

GENTLEMEN: *Whereas*, The legislature at its recent session appropriated \$6,000 for furnishing Natural History Hall and completing its heating apparatus, therefore be it

Resolved, That a committee consisting of Richard P. Morgan, Dr. T. J. Burrill, and Professor S. W. Shattuck, be appointed to carry out the design of said appropriation; and that the said sum of \$6,000 be assigned for that purpose.

Respectfully submitted,

ALEXANDER MCLEAN, }
JAMES E. ARMSTRONG, } *Finance Committee.*
F. M. MCKAY, }

CHICAGO, July 6, 1893.

To the Board of Trustees of the University of Illinois.

GENTLEMEN: *Whereas*, The legislature at its recent session appropriated the sum of \$6,500 for enlarging the central heating plant and for the purchase of two boilers and setting the same, therefore be it

Resolved, That this sum be assigned for the purpose named in the appropriation act and that the matter be referred to the committee on

buildings and grounds, with the request that arrangements be made at once to carry out the design of said appropriation.

Respectfully submitted,

ALEXANDER MCLEAN, }
JAMES E. ARMSTRONG, } *Finance Committee.*
F. M. MCKAY, }

CHICAGO, JULY 6, 1893.

To the Board of Trustees of the University of Illinois.

GENTLEMEN: Your committee recommends that the bond of the treasurer of this board be in the sum of six hundred thousand dollars with good approved security, and the usual form of penalty conditions.

The bond when executed to be approved by the finance committee and the president of the board.

The committee further recommends that when such bond shall have been duly executed and approved the same shall be filed in the office of the business agent of this board.

Respectfully submitted,

ALEXANDER MCLEAN, }
JAMES E. ARMSTRONG, } *Finance Committee.*
F. M. MCKAY, }

The regent, Dr. Burrill, asked for the following appropriations:

From current funds—

For repair of field pieces.....	\$17 00
For curtains for library.....	50 00
For material for registration catalogue.....	50 00
For replacing instruments stolen from the engineering exhibit at the World's Fair.....	23 00
For apparatus stolen from the psychological exhibit..	54 50
For membership fee in the American Association of Agricultural Colleges and Experiment Stations.....	10 00
From state appropriation for buildings and grounds—	
For cleaning rooms.....	\$250 00

and the appropriations were made on motion of Mr. Morrison.

The committee on instruction reported, recommending the appointment of the following persons as fellows: William D. Gibbs, B. S.; James D. Phillips, B. S.; Clendon V. Millar, B. S., and Charles W. Carter, B. L.

At the request of Professor Forbes, director of the State Laboratory of Natural History, and with the approval of the committee on instruction, the laboratory staff was reappointed as follows:

Charles A. Hart, office entomologist, salary \$750.

Mary J. Snyder, stenographer, salary \$750.

John Marten, field entomologist, salary \$1,000.

Henry C. Forbes, librarian, salary \$1,000.

Mr. Morrison offered the following resolution, which was adopted:

Resolved, That Charles W. Spalding, of Chicago, be appointed treasurer of the University of Illinois for the unexpired term ending with the annual meeting of March, 1895, he to furnish a satisfactory bond with approved security.

On motion of Mr. Bullard, it was voted that the treasurer's bond should be approved by the finance committee and the president of this board, and that this having been done, the finance committee should settle with Mr. J. W. Bunn, the outgoing treasurer, and transfer the securities and moneys now in his hands belonging to the University to the treasurer-elect, Mr. Charles W. Spalding.

The committee on instruction, to which had been referred a paper submitted by Professor Ricker, with regard to certain changes which he

thought advisable in the courses of study in the architectural department, returned the same with the recommendation that the changes be made, and the report of the committee was approved.

CHANGES IN COURSES OF STUDY IN THE ARCHITECTURAL DEPARTMENT.

URBANA, ILL., July 3, 1893.

To the Board of Trustees of the University of Illinois.

GENTLEMEN: I beg leave to recommend, in behalf of the department of architecture, that authority be given and provision be made for dropping the second, or sophomore, year of mathematics from the course in architecture, substituting therefor the following professional studies:

(A) 1. The architectural orders and their applications in architectural design.

A careful study of the five orders in general and detail, with examples of their employment in the best renaissance buildings of Italy and France. Applications will be made in a series of selected problems, especially such as most frequently arise in American buildings.

Ten hours weekly, mostly in designing.

2. The requirements and planning of buildings for the most important purposes.

A series of lectures summarizing the general requirements and conditions controlling the plans of buildings for various purposes, illustrated by examples of such buildings, selected from the best European and American work. References to the university library for a course of reading supplementary to the lectures. The solution of a number of problems in the arrangement and designing of plans of most important types of buildings in accordance with the lecture.

Ten hours weekly, mostly in designing.

3. The details of the principal architectural styles.

The term to be devoted to a study of the structural details of the chief architectural styles, a series of selected examples being drawn out at a large scale. The object of the course is to give the student a knowledge of the special forms and elements of each style in order to enable him successfully to use these styles in his future practice. The study to be taught as a third term of the "History of Architecture" fully completing that study.

Ten hours weekly, chiefly in drawing.

(B) Courses of study in architecture and in architectural engineering are to be found below, showing that these changes can be made without interfering with the work in any other courses of study in the University. It would require the teaching of mechanics and resistance of materials in simplified form, to distinct sections of those classes containing architects only.

Not more than one per cent of the architects now in good practice have ever studied higher mathematics, or would advise a student to take these studies. The sole practical use of analytical geometry and calculus is merely as a preparation for the work in analytical mechanics and resistance of materials, as these subjects are now taught. But excellent works on mechanics abound, in which only a good knowledge of algebra is required. The subject of resistance of materials is made unnecessarily complicated as it is now usually taught, and is rarely of much practical service to architectural students, except after years of post-graduate study and practice. But it may easily be simplified so that it can be taught after the freshman year of mathematics, and so that a much more useful knowledge of the subject can be obtained, than is now too often the case with a student weak in mathematics.

A still stronger reason for the proposed change is the fact that among all the students who have been under my instruction (I have found but one or two exceptions to the general rule) a student with any marked ability in architectural designing is invariably weak and poor in mathematics. This is simply the result of the fact that the two lines of intellectual work are quite incompatible, just as much as theology and real estate, or poetry and business. Many of the ablest designers having failed in mathematics, have become discouraged, have dropped everything except the technical architectural studies, and then have left the University without graduation, and therefore without any knowledge of mechanics and materials at all.

Is it for the best interests of the students in architecture and of the University, for the University to require them to take a year's work in higher mathematics, which is condemned as practically useless by the architectural profession and is forgotten as quickly as possible after the examinations are over, merely for the sake of symmetry in the courses in the college of engineering, when a year of most valuable and necessary professional studies may be substituted therefor with comparatively little extra work or cost?

An additional assistant in architecture will be needed during the next year under any conditions, on account of the great increase in the number of students. With this addition, the instructors in the department can arrange for the proposed changes in the course of the study in architecture. The course in architectural engineering should remain as at present, except slight changes in the order of the studies of the junior year.

The course thus modified would stand as follows:

ARCHITECTURAL COURSE.

FIRST YEAR.

Advanced algebra; elements of draughting; shop practice; French, German, or English; military.

2. Trigonometry; descriptive geometry and lettering; shop practice; French, German, or English; military.

3. Analytical geometry; advanced descriptive geometry; shop practice, French, German, or English; military.

SECOND YEAR.

1. Applied mechanics; wood construction; physics; military.

2. Strength of materials; stone, brick, and metal construction; physics; military.

3. Roofs; sanitary construction; physics, military.

THIRD YEAR.

1. History of architecture; architectural drawing (orders); free hand drawing or modeling; themes and elocution.

2. History of architecture; architectural drawing; methods of finishing; free hand drawing or water coloring; themes and elocution.

3. History of architecture; details of styles; architectural drawing (office work); themes and elocution.

FOURTH YEAR.

1. Superintendence, estimates, and specifications; architectural perspective; chemistry; thesis.

2. Heating and ventilation; architectural design (residences); requirements of buildings; thesis.
3. Esthetics of architecture; architectural design (problems); surveying; thesis.

ARCHITECTURAL ENGINEERING COURSE.

FIRST YEAR.

1. Advanced algebra; elements of draughting; shop practice; French, German, or English; military.
2. Trigonometry; descriptive geometry and lettering; shop practice; French, German, or English; military.
3. Analytical geometry; advanced descriptive geometry; shop practice; French, German, or English; military.

SECOND YEAR.

1. Differential calculus; wood construction; physics; military.
2. Advanced analytical geometry; stone, brick, and metal construction; physics; military.
3. Integral calculus; sanitary construction; physics; military.

THIRD YEAR.

1. Analytical mechanics; history of architecture; chemistry; themes and elocution.
2. Resistance of materials; history of architecture; architectural drawing; methods of finishing; themes and elocution.
3. Roofs; hydraulics; architectural drawing (office work); themes and elocution.

FOURTH YEAR.

1. Masonry construction; superintendence, estimates and specifications; architectural perspective, or advanced graphics; thesis.
2. Bridge analysis; heating and ventilation; architectural design (residences); thesis.
3. Bridge design; surveying; architectural design (problems); thesis.

Very respectfully submitted,

N. CLIFFORD RICKER,

Professor of Architecture.

The committee on instruction further reported as follows, and the report was approved:

CHICAGO, July 6, 1893.

To the Board of Trustees of the University of Illinois,

GENTLEMEN:—Your committee on instruction recommends that a chair of philosophy be established in the University, to be filled as soon as a suitable person can be found for the position.

Respectfully submitted,

F. M. MCKAY,
JAMES E. ARMSTRONG, } *Committee on Instruction.*

The board adjourned to meet at 3 o'clock p. m.

THURSDAY AFTERNOON SESSION.

The board met pursuant to adjournment.

The finance committee made the following report, which was approved :

CHICAGO, July 6, 1893.

To the Board of Trustees of the University of Illinois,

GENTLEMEN: Your finance committee recommends that the sum of \$5,000 be appropriated for library purposes from the state appropriation for current expenses, as indicated in the report of the committee on legislation made at the meeting of Dec. 13, 1892, the same to be expended under the direction of the committee on library.

Respectfully submitted,

ALEXANDER MCLEAN, }
JAMES E. ARMSTRONG, } *Finance Committee.*
F. M. MCKAY, }

On motion of Mr. Armstrong, it was voted that the committee on buildings and grounds be authorized to select the site for the new engineering hall.

The committee on buildings and grounds, to which was referred certain proposed changes in the chemical laboratory, was given authority to expend such sums of money as might be required to make the changes it found necessary.

The finance committee made the following report, which was approved:

CHICAGO, July 6, 1893.

To the Board of Trustees of the University of Illinois.

GENTLEMEN: Your committee recommends an appropriation of \$800 from state funds for the purpose of purchasing apparatus to be used in the psychological laboratory, the sum to be expended under the direction of the regent, the business agent and Professor Krohn.

* On motion of Mr. Armstrong, it was voted that the professor of zoölogy and entomology should hereafter be styled professor of zoölogy.

Mr. Bullard moved that \$1,100 be appropriated to defray expenses of lectures on literary and scientific subjects, on strictly educational lines, and that the amount be expended under the direction of the regent and the deans.

The motion was lost.

On motion of Mr. Morrison, it was voted that the committee which was appointed at the meeting of June 6th and was put in charge of the exhibit from the mechanical department of the University at the World's Fair, be authorized to employ Mr. Bernard V. Swenson to take charge of said exhibit, and to pay him not to exceed \$85 a month for such service.

Mr. Morrison moved that a woman be appointed, at a salary not exceeding \$1,500 a year, as an instructor for the young women of the University in elocution and physical culture. Carried.

The finance committee made the following report, which was approved:

CHICAGO, July 6, 1893.

To the Board of Trustees of the University of Illinois.

GENTLEMEN: The finance committee recommends the payment of the following bills for expenses incurred:

S. A. Bullard.....	\$115 70
N. B. Morrison.....	27 90
James E. Armstrong.....	14 05

Respectfully submitted,

ALEXANDER MCLEAN, }
JAMES E. ARMSTRONG, } *Finance Committee.*
FRANCIS M. MCKAY, }

On motion of Mr. McLean, it was voted that the treasurer, Mr. J. W. Bunn, be authorized to purchase certain school bonds for the endowment fund.

Mr. Bullard offered the following resolution, which was adopted:

WHEREAS, The amount of money that will be in the hands of this board to be used for the equipment of the different departments of the University during this present year and the next year, will be about \$15,000 per annum; therefore be it

Resolved, That the regent and the deans of the faculty of the University be requested to present to the board, at the September meeting, a scheme for the expenditure of these amounts of money, having regard to the best interests of the University and of the several departments, said scheme to be for the guidance of this board.

The president appointed Messrs. McLean, Morrison and Bullard a committee to draft resolutions with regard to the services rendered the University by the retiring treasurer, Mr. J. W. Bunn.

The board adjourned.

W. L. PILLSBURY,

Secretary.

N. W. GRAHAM,

President