

Adjourned Session June 23, 1905.

When the Board met pursuant to adjournment the members present were Messrs. Abbott, Bayliss, Bullard, Davison, Kerrick, McKinley, McLean and Mrs. Alexander, Mrs. Busey and Mrs. Evans; absent, Governor Deneen and Mr. Barber. President James was present.

AUDITORIUM BUILDING.

President James presented the report of the commission on the Auditorium Building.

URBANA, ILLINOIS, June 8, 1905.

To the Board of Trustees of the University of Illinois:

The commission which you appointed on recommendation by President James at your meeting of June 2, 1905, "to consider and report to the Board of Trustees a suitable plan for an Auditorium building, costing not to exceed \$100,000, with recommendations as to place where it shall be located on the campus," held two sessions; one on Monday, June 5, and one on Tuesday, June 6.

The following members of the commission were present at both sessions: Messrs. Abbott, McLean and Mrs. Evans of the Committee on Buildings and Grounds; President James and Mr. Blackall and Professors Ricker, White and Wells. Messrs. Bullard and McKinley of the Committee on Buildings and Grounds were present at the first session, and Mr. Lorado Taft was not present at either session.

The commission organized by choosing President James chairman and W. L. Pillsbury secretary.

Suggestions were presented by Mr. Blackall as follows:

1. That the building be located north of the crest of the rear campus between the line of Burrill avenue and the front line of the Agricultural building.

2. That the building be planned to seat 2,500 in addition to the accommodation of the stage.

3. That the stage be of such dimensions as to accommodate a chorus of 300 and an orchestra of fifty, with ample dressing rooms under the stage, ante-rooms, etc.

4. That provision be studied in the plan for two wings to receive other departments.

5. That the approaches and surroundings be planned with distinct reference to the general plan of the University grounds, and that such general plan be made at once, for which purpose it is recommended that \$300 be appropriated, to be expended from the general fund under the direction of the architect.

6. That the portion of the whole scheme to be built now include only the Auditorium proper, without the stage, without ante-rooms or wings, and with final entrances and stairs only in the front, and that the exterior be of such design that the portion now built appear simply as a hall complete in itself on all sides.

7. That the entire appropriation of \$100,000 be devoted to (6), and that the furniture thereof consist of seats or settees such as are now used in seating the Armory, and of the strictly necessary heating, ventilating and electric equipment, a simple platform being built out into the Auditorium to serve as a stage.

8. That the interior of (6) be finished very simply, with plaster walls and with all the finish of such a nature as would permanently accord with the larger scheme, and that ample opportunity be given for decorations to be added in the future.

9. That the construction be made as nearly fire proof as possible, within the limits of the appropriation, but without unduly sacrificing architectural effects.

10. That the exterior be constructed of brick and stone.

These were, with the exception of the first, approved by the members of the commission who were present at the second session.

Upon the first, the vote showed four in favor, one opposed, Mr. Blackall and President James not voting.

Mr. Abbott, who voted "no," explained that before he would be willing to vote in favor of the proposed site he wished to have more information on two points: (1) Whether it would be wise, in view of the future development of the University, to select this as the site of the Auditorium; and (2) whether transportation facilities are likely to be such as to make it a desirable site.

W. L. PILLSBURY, *Secretary*.

The report was received and ordered printed.

Mr. Bayliss moved that paragraph 2 be changed by inserting 3,000 instead of 2,500.

Mr. Abbott moved to amend by instructing the architect and the commission to provide for as many seats as practicable.

Mr. Bayliss moved to add "provided the number be not less than 3,000 without counting the stage and orchestra."

The motion and amendments were laid on the table.

On motion of Dr. Davison it was voted to take up the items in the order of the report.

On motion of Mr. Abbott the Board went into committee of the whole to consider the report of the commission.

Afternoon Session.

When the Board came together at 2:00 o'clock p. m. after recess, the committee arose, reported progress, and asked to be allowed to sit and consider further the question before it at some future time.

The report was received and the request of the committee allowed.

PAPERS SUBMITTED BY PRESIDENT JAMES.

1. That the budget of the Medical College, as presented at the last meeting, be accepted and approved, with the condition that further expenditure may be required of the college authorities in such departments as may stand in need of improvement, and to enable such expenditure to be made when needed, the surplus indicated in the budget shall not be divided between the University and the College of Physicians and Surgeons until further notice and express permission of the Board to that effect.

Approved.

2. That the budget of the School of Pharmacy for the coming year, as herewith presented, be approved, and that the same conditions of employment be tendered to the Faculty for the academic year 1905-6 as for the year 1904-5.

SCHOOL OF PHARMACY.

CHICAGO, June 17, 1905.

President Edmund J. James, University of Illinois:

DEAR SIR—I enclose herewith several statements containing the information that you asked me to furnish. In order to make these more intelligible I have begun with a statement for the last year of the school in the old building on State street. Financially, this was the best year the school has had since joining the University, there being a surplus at the end of the year amounting to about \$2,500. This good showing was due in part to a large attendance, 186 students being enrolled, and in part to the advantageous arrangement with the Dearborn Medical College, which netted us about \$1,200, after allowing for the increase in expenses caused by their tenancy. (Statement A.)

We had realized, however, that neither the building nor location on State street were desirable, and sharing the quarters with the Dearborn College made the inadequacy still more apparent. Then, too, the landlord refused to give a lease for more than a year at a time, except for a considerably increased rental. So, when the opportunity for getting the present quarters came, we were strongly in favor of making the move.

At the time when it was decided to move, it was not expected that the school would be able to meet the expense of moving and equipping the new quarters from its current income, so the Trustees granted two appropriations as a loan, to be repaid from the income or property of the school—one of \$2,000 and one of \$3,000 for these purposes. It was expected that with this aid the income of the school would meet all other expenses, including salaries. An arrangement was made with the Dearborn Medical College whereby Dr. Baldwin agreed to pay a part of the expense of moving and a half of the rent, janitors' and engineers' wages, heating and lighting bills and repairs to the building itself and of such rooms as are used by both schools. This was done, and accounts for the comparatively large amount received from this source. Unfortunately the attendance at our school fell off about a fifth, with a corresponding shrinkage in fees, and this prevented us from paying the salaries in full. (B.)

Our expenses for the present fiscal year will be considerably less than last year (Statement C), but it will require a larger attendance than we had this last year to meet all expenses and pay salaries in full. It will require at least a 10 per cent increase. I think we can reasonably expect to have this or a greater increase in attendance, and I look for a prosperous year.

Of course, my statements are only intended to be correct approximately regarding the different items of expenditure, outside of rent, salaries, etc.

Very respectfully yours,

W. B. DAY, *Actuary.*

(A) STATEMENT FOR THE FISCAL YEAR 1903-04. (MAY 1, 1903, TO MAY 1, 1904.)

RECEIPTS.		
Fees	\$12,404 80	
Laboratory deposits and charges.....	952 37	
Locker rent.....	71 00	
Sundries.....	25 00	
Dearborn Medical College	2,147 85	
		\$15,601 02
EXPENDITURES.		
Rent	\$2,400 00	
Fuel and light	860 25	
Salaries for instruction	5,025 00	
Salaries for services	1,500 00	
Repairs	500 00	
Advertising, printing and postage	1,000 00	
Supplies and apparatus	1,250 00	
Laboratory refunds	106 98	
Sundries	395 96	
		13,038 19
Surplus		\$2,562 83

STATEMENT OF SALARIES FOR INSTRUCTION.

C. S. N. Hallberg.....	\$1,466 66
F. M. Goodman	977 79
W. A. Puckner	1,466 66
W. B. Day	488 89
Three assistants.....	525 00
H. H. Rogers.....	100 00
	\$5,025 00

(B) STATEMENT OF RECEIPTS AND EXPENDITURES OF THE SCHOOL OF PHARMACY FROM MAY 1, 1904, TO MAY 1, 1905.

RECEIPTS.		
Fees	\$10,721 32	
Laboratory deposits and charges.....	1,360 70	
Locker rent	93 00	
Sundries	46 04	
Dearborn Medical College.....	6,159 27	
		\$18,380 33
EXPENDITURES.		
Rent	\$5,000 00	
Fuel and light	1,550 00	
Salaries for instruction	3,524 89	
Salaries for services	3,200 00	
Moving and repairs of all kinds	4,000 00	
New equipment	2,000 00	
Advertising, printing and postage	1,100 00	
Insurance.....	1,012 50	
Supplies and apparatus	1,325 00	
Laboratory balances refunded to students.....	534 96	
Tuition refunded to students	52 50	
Water taxes	125 03	
Sundries	156 89	
		23,581 77
Deficit for the year.....		\$5,201 44
Appropriations to cover moving		\$5,000 00

STATEMENT OF SALARIES FOR SERVICES.

Actuary.....	\$ 900 00
Janitors.....	1,270 00
Engineer.....	810 00
Extra help.....	220 00
	<hr/>
	\$3,200 00

STATEMENT OF SALARIES FOR INSTRUCTION.

C. S. N. Hallberg	\$966 63
F. M. Goodman	644 42
W. A. Puckner.....	966 63
H. H. Rogers.....	100 00
W. B. Day	322 21
Three assistants	525 00
	<hr/>
	\$3,524 89

(C) ESTIMATED EXPENDITURES FOR THE YEAR 1905-06.

Rent.....	\$5,000 00
Fuel and light	1,550 00
*Salaries for instruction	5,025 00
Salaries for services.....	3,000 00
Repairs	1,000 00
Advertising, printing and postage.....	1,100 00
Apparatus and supplies	1,200 00
Laboratory balances	500 00
Water.....	125 00
Sundries	200 00
	<hr/>
	\$18,700 00

*If paid in full.

ESTIMATED RECEIPTS FOR THE YEAR 1905-06.

Fees based on 10 per cent increase.....	\$21,000 00
Laboratory deposits.....	1,650 00
Locker rent.....	94 00
Dearborn Medical College.....	5,000 00
	<hr/>
	\$18,744 00

Approved.

3. That the sum appropriated for the Law School by the Legislature at its last session be hereby assigned to the purposes of the Law School; that such a portion of the sum as may be needed be used in making necessary improvements in the building for the use of the Law School, and the rest of the sum shall be used in improving the library and for other necessary expenditures in accordance with the suggestions of the Dean of the Law School, approved by the President.

Approved.

4. That the President be authorized to issue a University certificate of qualification to teach certain subjects to students who may have satisfied the requirements for such certificates, as prescribed by the University Council of Administration and the University Senate, and that the certificate shall read as follows:

UNIVERSITY OF ILLINOIS.

This may certify that (John James Smith) has satisfied all the requirements of the University for the University certificate of qualification to teach _____ (chemistry, physics, etc.) in secondary schools, and that the Board of Trustees of the University, on the recommendation of the Senate, has granted to him this testimonial of scholarship and professional ability.

In Witness Whereof, This certificate is signed by the President of the University, by the secretary of the Board of Trustees, and by the director of the School of Education, and the seal of the University is hereto affixed this day of 190....

[Seal.]

..... President.
..... Secretary.
..... Director.

Approved.

5. That in preparing the budget for the College of Engineering for the coming year the following method will be observed in assigning the special appropriations for the expenses of the Experiment Station and the equipment of the College of Engineering:

(a) That a certain percentage of the total sum be set apart for the general equipment of the College of Engineering.

(b) That a sum not to exceed \$15,000 be set aside for necessary additions to the buildings of the Experiment Station.

(c) That a certain sum be set apart for special equipment needed in other departments of the University for the use of engineering students; as, for instance, in the chemical laboratory, for special apparatus needed by engineering students, and in the department of astronomy, for instruments required primarily by engineering students.

(d) That the balance be divided into two parts, one-half being assigned to the special further equipment of the various departments of the College of Engineering and the other half being assigned to the expenses of the Experiment Station, a suitable distribution of salaries being made between the Engineering College and the Experiment Station, similar to that which has been adopted for the Agricultural College and Agricultural Experiment Station.

Approved.

6. That the Summer Session of the University be continued during the year 1906, and that Professor Thomas A. Clark be appointed Director and Professor Dexter be appointed Dean of the Summer Session for the year 1906.

Approved.

7. That the recommendation of Professor Forbes that the salary of R. E. Richardson, Assistant in the State Laboratory of Natural History, be advanced from \$1,000 to \$1,200 per annum, and that otherwise the appointments and salaries for members of the State Laboratory staff be for the coming year the same as for the past. And, further, that \$1,000 be assigned to the fund for building the insectary and taken from the appropriation made by the Legislature at its last session for the Natural History survey. .

Approved.

8. That the petition of the city of Champaign, as presented by the mayor, that the Board of Trustees provid for extending a proposed storm water sewer through the University grounds along the line of the present bone-yard branch be referred to the Building and Grounds Committee.

Approved.

FACULTY APPOINTMENTS.

I recommend Faculty appointments for the academic year, 1905-6, beginning Sept. 1, 1905, except as indicated later, as follows:

DEANS:

Thomas J. Burrill, Vice President. Dean of the Graduate School. Professor of Botany. Salary the same as at present.

James McLaren White, Acting Dean of the College of Engineering. Professor of Architectural Engineering. Salary and work, \$2,500, to begin July 1, 1905.

Edgar J. Townsend, Acting Dean of the College of Science. Professor of Mathematics. Salary and work, \$2,500, to begin July 1, 1905.

David Kinley, Dean of the College of Literature and Arts. Professor of Economics. Salary, \$3,500.

Eugene Davenport, Dean of the College of Agriculture. Professor of Thrematology. Director of the Experiment Station. Salary, \$4,000.

Oliver Albert Harker, Dean of the College of Law. Professor of Law. Salary, \$3,000.

William Edward Quine, Dean of the College of Medicine. Professor of the Practice of Medicine and Clinical Medicine.

Thomas Arkle Clark, Dean of Undergraduates. Professor of Rhetoric. Salary, \$3,000.

PROFESSORS:

That Edward O. Sisson be appointed Assistant Professor of Education, at a salary of \$1,500.

That D. H. Carnahan, for the past two years on leave of absence, be restored to active service as Assistant Professor of Romanic Languages, at a salary of \$1,600.

That an additional Assistant Professor be appointed in the department of Civil Engineering, at a salary not to exceed \$1,800.

That two assistant professors be appointed in the department of Electrical Engineering; one in place of Professor Williams, resigned, at a salary not to exceed \$1,800; and an additional assistant professor, at a salary not to exceed \$1,500.

That Dr. Edward Barto be appointed Associate Professor of Chemistry, and Director of the Water Survey, at a salary of \$1,800.

That an assistant professor be appointed in the department of Mathematics in the place of Professor Hall, resigned, at a salary not to exceed \$1,600.

INSTRUCTORS.

1. Isabel Jones, in Art and Design, at \$700.
2. A. S. Field, in Economics, at \$1,000.
3. Belva M. Herron, in Economics, at \$500.
4. Bertha Pillsbury, in English, at \$950.
5. Florence N. Jones, in Romanic Languages, at \$950.
6. T. E. Hamilton, in Romanic Languages, part time, at \$500.
7. C. G. Davis, in German, at \$1,000.
8. Daisy L. Blaisdell, in German, at \$950.
9. Instructor in German, (in place of C. J. Kullmer, resigned) at \$900.
10. Instructor in German, (in place of W. F. Hauhart, resigned), at \$850.
11. Instructor in German, (additional), at \$800.
12. C. W. Alvord, in History, at \$1,200.
13. K. P. R. Neville, in Latin, at \$950.
14. Martha J. Kyle, in Rhetoric, at \$1,000.
15. F. W. Scott, in Rhetoric, at \$1,000.
16. Florence Pitts, in Rhetoric, at \$800.
17. J. Q. Adams, in Rhetoric, at \$1,150.
18. T. H. Guild, in Rhetoric, at \$1,000.
19. A. L. Eno, in Rhetoric, at \$850.
20. F. G. Fox, in Rhetoric, at \$900.

21. C. R. Clark, in Architectural Construction, at \$1,300.
22. C. M. Davison, in Architectural Design, at \$1,600.
23. R. I. Weber, in Civil Engineering, at \$1,200.
24. C. W. Malcolm, in Civil Engineering, at \$1,200.
25. L. G. Parker, in Civil Engineering, at \$1,100.
26. L. A. Waterbury, in Civil Engineering, at \$1,150.
27. Instructor in Civil Engineering (additional), at \$900.
28. J. M. Bryant, in Electrical Engineering, at \$1,000.
29. F. G. Wilson, in Electrical Engineering, at \$900.
30. C. L. McMaster, in General Engineering Drawing, at \$750.
31. H. S. Hazen, in General Engineering Drawing, at \$750.
32. Instructor in General Engineering Drawing (additional), at \$750.
33. J. M. Snodgrass, in Mechanical Engineering, at \$1,250.
34. Albert R. Curtiss, in Wood Shop, at \$1,200.
35. David L. Scroggin, in Machine Shop, at \$1,000.
36. Instructor in Foundry, (replacing J. H. Wilson), at \$750.
37. Edward Lanham, in Forge Shop (replacing H. T. Jones), at \$750.
38. Robert C. Matthews, in Mechanical Engineering (replacing R. H. Kuss), at \$1,000.
39. William V. Dunkin, in Machine Design (replacing J. J. Harman), at \$900.
40. John J. Harman, in Mechanical Engineering, at \$1,200.
41. Claude M. Garland, in Mechanical Engineering (new), at \$900.
42. R. H. Slocum, in Municipal Engineering, at \$1,200.
43. L. E. Moore, in Municipal Engineering, at \$1,300.
44. Instructor in Municipal Engineering (replacing J. J. Richey), at \$950.
46. Instructor in Municipal Engineering (new), at \$1,100.
47. Instructor in Astronomy (new), at \$400.
48. C. F. Briscoe, in Botany, at \$800.
49. James Henry Walton, in Chemistry, at \$1,200.
50. William M. Dehn, in Chemistry, at \$900.
51. K. W. Zimmerschied, in Chemistry, at \$800.
52. Instructor in Chemistry (replacing J. L. Sammis), at \$1,000.
53. S. C. Clark, in Chemistry, at \$700.
54. T. J. Bryan, in Chemistry, at \$1,100.
55. Elrick Williams, in Chemistry, at \$700.
56. R. W. Stark, in Chemistry (Water Survey), at \$1,200.
57. Harry B. Fox, in Geology, at \$1,000.
58. J. C. Jones, in Geology, at \$750.
59. Edward L. Milne, in Mathematics, at \$1,000.
60. Henry L. Coar, in Mathematics, at \$1,300.
61. E. W. Ponzer, in Mathematics, at \$1,050.
62. Marion B. White, in Mathematics, at \$850.
63. Ernest B. Lytle, in Mathematics, at \$950.
64. Instructor in Mathematics (replacing A. H. Wilson), at \$900.
65. A. H. Sluss, in Physics, at \$750.
66. W. F. Schulz, in Physics, at \$1,000.
67. F. C. Brown, in Physics, at \$750.
68. Instructor in Physics (new), at \$750.
69. W. A. Clark, in Physiology, at \$750.
70. Amos W. Peters, in Zoölogy, at \$1,100.
71. J. W. Folsom, in Entomology, at \$1,300.
72. F. W. Carpenter, in Zoölogy, at \$1,000.

LABORATORY AND OTHER ASSISTANTS.

1. Helen Bullard, Assistant in Rhetoric, at \$350.
2. Ruth Taylor, Assistant in Rhetoric, at \$350.
3. Assistant in Electrical Engineering, at \$300.
4. Assistant in Wood Shop (new), at \$750.
5. Assistant in Forge Shop (new), at \$600.
6. Assistant in Machine Shop (new), at \$750.
7. Assistant in Mechanical Laboratory (new), at \$750.

8. Laboratory Mechanic (new), at \$1,080.
9. Tool Room Atendant (new), at \$480.
10. W. S. Ballard, Assistant in Botany, at \$700.
11. Daniel Otis Barto, Assistant in Botany, at \$300.
12. E. O. Heuse, Assistant in Chemistry, at \$600.
13. Alice V. Flather, Assistant in Chemistry, at \$600.
14. Assistant in Chemistry (replacing B. D. Ingels), at \$600.
15. Assistant on Water Survey, at \$720.
16. J. M. Lindsay, Storekeeper in Department of Chemistry, at \$400.
17. Second Storekeeper (new), at \$400.
18. Student Assistant in Zoölogy, at \$300.

The foregoing recommendations regarding deans, professors, instructors and assistants were severally adopted.

LIBRARY AND LIBRARY SCHOOL.

(Twelve months, except as noted.)

1. Katherine L. Sharp, Head Librarian and Professor of Library Economy, at \$2,500.
2. Frances Simpson, Reference Librarian and Assistant Professor of Library Economy, at \$1,400.
3. Anna M. Price, Assistant Professor of Library Economy, at \$1,200.
4. Agnes M. Cole, Head Cataloger, at \$900.
5. Grace O. Kelley, Cataloger, at \$720.
6. Francis K. W. Drury, Order Assistant, at \$1,100.
7. Anne D. Swezey, Order Assistant, at \$720.
8. Fanny R. Jackson, Binding and Periodical Clerk and Instructor in Public Documents, at \$840.
9. Emma R. Jutton, Assistant in Charge of Loan Desk, at \$900.
10. Anna D. White, Loan Desk Assistant, at \$720.
11. Harriet E. Howe, Instructor in Library Economy, ten months, \$750.
12. Stella Bennett, Cataloger, ten months, at \$600.
13. Bertha Royce, Reference Assistant, ten months, at \$600.
14. Custodians of Law Library, at \$300.
15. Extra assistants, at \$500.

Adopted.

SCHOOL OF MUSIC.

1. G. F. Schwartz, Instructor in Music, at \$1,200.
2. May E. Breneman, Instructor in Music, at \$900.
3. Almeda F. Mann, Instructor in Music, at \$900.
4. Constance B. Smith, Instructor in Music, at \$1,000.
5. May I. Norris, Instructor in Music, at \$750.
6. Mary W. Greene, Instructor in Music, at \$800.
7. Winifred Forbes, Instructor in Music, at \$750.
8. Band Instructor at \$250.

Adopted.

ACADEMY.

1. John T. Johnson, Instructor in Biology, at \$850.
2. Charles W. Whitten, Instructor in Physics, at \$850.
3. J. H. Gordon, Instructor in Geometry and History, at \$850.
4. William Gay Palmer, Instructor in Latin, at \$850.
5. Charles W. McConn, Instructor in English, at \$850.
6. Margaret A. Scott, Instructor in Modern Languages, at \$850.
7. Celia A. Drew, Instructor in English, at \$800.
8. Florence M. Smith, Instructor in English, at \$850.
9. Albert A. Summerville, Instructor in Mathematics, at \$800.

Adopted.

GYMNASIUM.

1. Harry Gill, Assistant Director of Physical Training, at \$1,100.
2. Leo G. Hana, Assistant in Gymnasium, at \$800.
3. E. B. Murray, Instructor in Fencing, at \$175.
4. Instructor in Swimming, at \$175.

Adopted.

WOMAN'S GYMNASIUM.

1. Mrs. Jeannette C. Lincoln, Instructor in Physical Training, Director of the Woman's Gymnasium, at \$1,000.
2. Emma O. Pohl, Assistant in the Woman's Gymnasium, at \$400.
3. Elizabeth Atkinson, Assistant in the Woman's Gymnasium, at \$350.
4. Anna Mary Davison, Assistant in the Woman's Gymnasium, at \$70.

Adopted.

ADMINISTRATION OFFICES.

1. Wallace N. Stearns, Secretary to the President, twelve months, at \$1,200.
2. John G. Wilson, Chief Clerk, twelve months, at \$1,100.

Adopted.

CLERICAL ASSISTANTS.

That the President be authorized to employ the present staff of clerical assistants at their present salaries, so far as they are willing to remain, and appoint others in their places if they wish to leave, or the President is unwilling to recommend them for re-employment.

Adopted.

MESSENGERS.

Albert R. Lee, Messenger in the President's Office, at \$50 a month for twelve months.

Adopted.

WATCHMEN.

I recommend that the watchmen be continued on the same terms and arrangements as heretofore.

Adopted.

SUPERINTENDENTS OF BUILDINGS AND GROUNDS.

1. Joseph A. Morrow, Superintendent of Buildings, at \$1,800.
2. Fred Atkinson, Superintendent of Grounds, on half time, at \$600.
3. Evelyn Atkinson, Assistant Superintendent of Grounds, at \$800.

Adopted.

MILITARY SCIENCE.

1. C. E. Henderson, Instructor in Military Science, at \$100.
2. W. J. Kanne, Instructor in Military Science, at \$100.
3. C. G. Pepper, Instructor in Military Science, at \$100.

Adopted.

9. That the President be authorized to make appointments for the coming year to the new instructorships, assistantships, etc., in the above list and also for any vacancies which are unfilled or may occur between now and the opening of the term.

Approved.

COLLEGE OF AGRICULTURE; AGRICULTURAL EXPERIMENT STATION.

11. (a) That the recommendations of the Dean of the College of Agriculture and Director of the Experiment Station, as set forth in the accompanying report of the Dean of the College of Agriculture and Director of the Experiment Station, as to salaries and promotions within the College of Agriculture and on the staff of the Experiment Station be approved. That the consideration of the estimates of the needs of the various departments and interests for the ensuing year be postponed until the next meeting of the Board, and that in drawing up this final estimate, provision be made for those expenditures which are clearly and specifically incurred on account of the College of Agriculture and the Experiment Station and also for the fair share of general expenses of the University which may be properly assigned to the College of Agriculture and Experiment Station, and especially that some provision be made for taking care of a larger part of the expenses for instruction in chemistry for the students in the College of Agriculture.

(b) And that the appropriations be made for the work of the College and Station in accordance with the request of the Dean of the College and Director of the Experiment Station, according to the table headed "Appropriations" in said report; and, further, that the receipts received by the University in connection with the special departments be appropriated to the use of the respective funds, as indicated in the last paragraph of the Dean's report.

URBANA, ILLINOIS, May 14, 1905.

Edmund J. James, LL.D., President of the University of Illinois:

DEAR SIR—I have the honor to submit for your consideration and transmission to the Board of Trustees the following report of the conditions of the College of Agriculture and the Agricultural Experiment Station, together with the recommendations for the ensuing year.

GROWTH OF THE COLLEGE AND STATION.

The rapid growth of the agricultural interests of the University in recent years is unprecedented in educational history. Six years ago we had but twenty students and six instructors; the work of investigation was limited to the government appropriation of \$15,000, and we were housed wherever room could be found, generally in basements and attics.

We have more instructors now than we had students then, for the college has grown to number 406 students, with twenty-five teachers, offering eighty-four distinct courses of technical instruction. We now have four permanent buildings, a fund for college and building purposes amounting to \$90,000 per year and one for research amounting to \$110,000 annually. Over forty people of college training are devoting their entire time to technical agriculture, either in the College or Station, or both. These are the largest numbers in men and money involved in this work at any single point in the world.

WHY WE HAVE SUCCEEDED.

Our complete collapse under the responsibility and strain of this sudden growth has been almost universally predicted in other states, even by our best friends. That this has not occurred is due to the following reasons:

1. The growth was the spontaneous and natural result of a determination of the farmers of the State to make this a leading college of agriculture and to promote the highest possible development of agricultural practice through scientific investigations by the Experiment Station.

2. Special funds were appropriated for special purposes, and back of each was an organized group of men interested both in the University and in that particular line of agriculture.

3. We organized, not with many departments, but with few; each with its own funds and well defined lines of work, and each headed by a man of exceptional training, of high personal quality and of tireless energy.

4. Both instruction and research have aimed not to revel in scientific speculation nor to advance and uphold any special theories; but, on the contrary, the single purpose has been to discover and promote the scientific facts bearing upon the best and most permanent agricultural practice in this particular State.

5. We have succeeded, last of all, because we have been able to render substantial service to the agriculture of the State and because our students succeed when they go out. So pronounced has the feeling of confidence in the University become that it is now regarded as the natural agent of the State for the discovery of new facts bearing upon agricultural development.

WHAT HAS BEEN ACCOMPLISHED.

Upon the request of the Farmers' Institute a system of scholarships was devised and by our initiative a method of admission was instituted altogether unique. That both worked well is shown by the fact that the "special students," on the whole, do good work; that we have gathered together the largest body of students actually studying agriculture throughout the year of any similar institution, and that we are graduating a percentage of our total enrollment very close to that of the University in general.

Our equipment for teaching is, upon the whole, excellent. The men are specialists and the illustrative and laboratory materials are well chosen. The subject is new and neither matter nor methods are well established. Perhaps better teaching could be done, from the pedagogic standpoint, were we to confine our work to more general lines wherein the matter is supposed to be known and the facts well established. But this is not progress in a new subject and we have chosen to combine instruction with investigation in the hands of specialists, expecting each to discover new material and then to hammer it into pedagogic form as rapidly as possible. In this way we shall increase our stock of information as we improve our methods, and for any lack of pedagogic perfection the student must be recompensed by that freshness and mental alertness that always attend explorations into new and hitherto undeveloped territory. In this way we pay the penalty of the pioneer, but we also reap the benefits.

Space forbids even a bare enumeration of the lines of research finished and in progress, and with which everybody is now more or less familiar. The most distinctive work of the Experiment Station has been along the following lines, in every one of which we have been successful:

1. Examination of the various typical soils of the State to discover their natural qualities, whether superior or defective.

2. Working out a system of permanent and profitable agriculture for each.

3. Making a soil survey of every county of the State in order to locate boundaries of typical soils and to discover and bring out the character and treatment of local and minor types. Nineteen counties will be finished by the end of the present year, and ultimately all will be mapped in, colors showing soil differences.

4. Breeding corn for oil and protein. This was the first attempt ever made to change the natural chemical composition of seeds. Corn has now been bred richer in nitrogen than is that great naturally nitrogenous grain, wheat.

5. Identification, description and illustration of the forty-eight market classes and grades of cattle, a classification now used in the daily live stock market reports.

6. Determination by actual test of the comparative feeding value of the various grades of steers in this classification.

7. Discovery of the cause of bitter rot in apples, a disease that destroyed a million dollars' worth of fruit in four counties of Illinois in a single year.

8. Determination of the comparative value of insulating materials and exhaustive experimentation upon the cold storage of apples.

9. Control of insect and fungous orchard pests by spraying with arsenical poisons.

10. Exhaustive investigation of the relative efficiency of dairy cows, showing that some individuals are able to make three times as much as others from the same amount of the same kind of feed.

11. Working out methods for the production and handling of sanitary milk and stimulating a movement for better dairy methods generally.

RECENT PUBLICATIONS.

Since January 1st the station has issued seven bulletins and six circulars, as follows:

Bulletin No. 95. The More Important Insect Injuries to Indian Corn. 72 pages.

Bulletin No. 96. The Testing of Corn for Seed. 20 pages.

Bulletin No. 97. Market Classes and Grades of Swine. 48 pages.

Bulletin No. 98. The Curculio and the Apple. 96 pages.

Bulletin No. 99. Soil Treatment for the Lower Illinois Glaciation. 40 pages.

Bulletin No. 100. Directions for the Breeding of Corn, including Methods for the Prevention of In-Breeding. 30 pages.

Bulletin No. 101. Crops for the Silo, Cost of Filling, and Effect of Silage on the Flavor of Milk. 28 pages.

Circular No. 82. The Physical Improvement of Soils. 24 pages.

Circular No. 83. The Swine Industry from the Market Standpoint. 8 pages.

Circular No. 84. Records of Dairy Herds. 40 pages.

Circular No. 86. Science and Sense in the Inoculation of Legumes. 8 pages.

Circular No. 87. Factors in Crop Production with Special Reference to Permanent Agriculture in Illinois. 32 pages.

Circular No. 88. Present Methods of Beef Production. 8 pages.

These bulletins aggregate 334 pages and have been issued in editions of 35,000 each. The circulars running to 120 pages, are issued in smaller editions and circulated only within the State.

BUILDINGS.

By the original understanding we are to provide at least one permanent building a year out of section 1 (\$50,000) of the "Association Bill," until the agricultural interests are fully and comfortably housed. Three buildings have been erected out of the last biennial appropriation and the time has now come for deciding what will next serve the agricultural interests of the University to the best advantage.

DIRECTOR'S RESIDENCE.

In this connection existing circumstances call for a word concerning the subject of an official residence representing agricultural interests.

It will be remembered that at one time I offered to donate an especially valuable site for the purpose, if the University would, as most similar institutions have done, erect a suitable residence for the Director of the Experiment Station and maintain it rent free in consideration of the natural demands upon a position so intimately connected with large masses of people. The proposition was not accepted on the ground that no funds had been especially appropriated for this purpose. Considerable disappointment at the outcome has been expressed by many leading farmers and this is the occasion for alluding to the matter again. The history and facts of the case are as follows:

The original policy of the University in this regard was the same as that of other institutions; but it was changed a number of years ago when rent was charged for the occupancy of the farm house. I lived in this house almost ten years. However suitable it may once have been, it would certainly not be regarded as representative of Illinois' agriculture today. It was no longer even comfortable and, paying rent, I felt free to move, and therefore decided to build a home containing some of the modern comforts of life.

After making this decision and while looking about for a suitable site the full significance of a permanent change in policy was forced upon me, and I came to realize what it would mean if the abode of the executive head of the agricultural interests here should be no longer identified with the University and if successive incumbents felt free to live at whatever point in either town might be most convenient or economical to them. Ours had become clearly the leading institution of its kind and I was loth to see this permanent handicap come upon us, placing us at decided disadvantage as compared with similar leading institutions whose object it is to develop and elevate agriculture.

It was then that I made the proposition to donate the site upon which I have since built. Upon its rejection I went forward with my building operations. The site was a valuable one, worthy of a good building, and with Professor White as architect I have built a comfortable home.

Since this has been done there has been a widespread expression of regret that the University has changed its policy and is apparently pursuing a different one from that of similar institutions elsewhere. Of course this house was not built and I cannot afford to maintain it as an official residence. If I were wealthy and could afford to do so I would be glad to open it freely to the farmers of Illinois and of other states and countries who come here on official or semi-official business. But the salary paid here is lower than at any other institution of this rank, and the simple truth is that I can not under existing conditions meet obligations of this sort as they should be met and as they are met at many other institutions of this character.

Farmers have not been slow to express their disappointment at the evident change of policy and to indicate their desires upon the general question, and I have been asked if I would now sell this property to be used for this purpose.

I have answered that I would do so if it were desired; that it was built by a University architect, and that I would sell it for what it cost, if it could be done while it is new and its value clearly evident, and further that I would maintain it as such residences are usually maintained; in short, that I would do everything for the University and for Illinois' agriculture that is financially possible.

In connection with the discussion of section 1, of the Association Bill, from which the funds for such a purpose would naturally come, the general question of building or buying such a residence was freely discussed both before the House and the Senate appropriations committees, where it met with only favorable comment, the chairman of the latter committee expressing his special interest in the matter.

After speaking historically at so great a length I feel like saying on my own account, and quite independent of personal considerations, that I feel fully convinced such a move should be made and that for the best interests of agriculture and the University a residence suitable for this purpose should be either bought or built, whichever is considered most advantageous to the University.

I have alluded to this subject at considerable length (though it is naturally one of personal embarrassment) because I believe it is far-reaching in its consequences and because it is evidently very much in the minds of those farmers who have been chiefly instrumental in securing the funds with which to place this college and station in a leading position.

As a guide to action, now that the matter is up, I give the following facts regarding some of our leading institutions; all of which has a direct bearing not only upon this matter, but also upon recommendations made elsewhere as to salaries of leading positions in college and station:

WISCONSIN—W. A. Henry, Dean and Director. Salary, \$4,000 and use of a \$10,000 residence, rent free. This house was built some ten years ago when building was relatively inexpensive.

MINNESOTA—Wm. M. Liggett, Dean and Director. Salary \$4,000 and privilege of a \$12,000 residence, rent free.

NEW YORK (ITHACA)—L. H. Bailey, Dean and Director. Initial salary, \$4,500, no residence and no responsibilities for entertainment.

NEW YORK (GENEVA)—W. H. Jordan, Director (no college connection). Salary, \$4,000 and a \$16,000 residence, rent free.

PENNSYLVANIA—H. P. Armsby, Dean and Director. Salary \$3,900 and residence on the campus, rent free.

VIRGINIA—A. M. Soule, Dean and Director. \$3,500 initial salary and a \$10,000 residence heated and lighted free of charge. Salary to be increased \$100 a year for five years.

A number of other states might be added, but I have mentioned those most clearly in our class. This list serves to show two things—first, that it is the custom in the leading institutions to provide an official residence, costing from \$10,000 to \$16,000, rent free; and, second, that there is a practical uniformity in a salary of \$4,000.

This will afford data on which to base action. The farmers say that they want a residence of this kind and they have secured funds for the purpose. Its service to agriculture is apparent and will be increasingly so with passing time. The Legislature approves the expenditure and the Advisory Committee, identified with this section, asks that it be made, as is shown by their records herewith transmitted. I have made full presentation of the facts in the case and it remains for the Trustees to determine what the final policy is to be.

FARM MECHANIS BUILDING.

It is the opinion of those best acquainted with the conditions that the next building erected in the series should be one to provide additional room for farm mechanics and to relieve the congested condition that is beginning to be felt in the Agricultural Building. This building should cost approximately \$25,000 and every effort should be made to have it ready for occupancy a year from next September.

The funds now available will provide these two buildings; they would not provide the two next in the series, which should cost \$25,000 each. For personal as well as other reasons I hope that early action may be taken on both recommendations.

SALARY RECOMMENDATIONS.

This is the time for any substantial alteration in salaries of leading positions, which are commonly not changed during the biennial period. In view of all the considerations involved I beg to make the following recommendations, classified according to title and responsibilities:

HEADS OF DEPARTMENTS SERVING BOTH COLLEGE AND STATION.*

Dr. C. G. Hopkins—(College, \$11,000.00; Station, \$41,000.00)—	
As Professor of Agronomy, College.....	\$1,500 00
As Chief in Agronomy, Station.....	2,000 00
As Vice Director, Station.....	500 00
Prof. H. W. Mumford—(College, \$11,000.00; Station, \$26,000.00)—	
As Professor of Animal Husbandry, College.....	1,200 00
As Chief in Animal Husbandry, Station.....	1,800 00
Prof. J. C. Blair—(College, \$11,000.00; Station, \$16,000.00)—	
As Professor of Pomology, College.....	1,200 00
As Chief in Horticulture, Station.....	1,800 00
Prof. W. J. Fraser—(College, \$11,000.00; Station, \$16,000.00)—	
As Professor of Dairy Husbandry, College.....	1,000 00
As Chief in Dairy Husbandry, Station.....	1,700 00

These recommendations are well within good precedent and are made deliberately with full knowledge of the facts involved both here and elsewhere.

* These men are absolutely responsible for all plans devised and work done in their respective lines in both college and station. The amounts in parentheses are the funds for which they are directly accountable.

I have served the University a little over ten years and have seen the development of this college and station from the smallest proportions until it has come to be by far the foremost institution of the kind in the world. This is now true, whether we regard the number of instructors, the range of subjects taught, the value of the equipment, the size of the student body, the annual expenditure of funds, the amount of research work in actual progress, the number of investigators continually employed, the character and difficulty of the problems under investigation, or the influence of their correct solution upon the business interests of our constituency.

During this development the difficulties and the responsibilities of administration have of course increased enormously, and the natural demands upon energy and resources have enlarged out of all proportion to conditions a few years back and until they are second to no other in this country or abroad. The bulk of this burden rests upon these four men, who, by the way, have been in no small sense the instruments of this unprecedented development.

I believe that all this gives me the right to say that I fail to understand why the emoluments of leading positions here should longer remain inferior to those of corresponding positions in any other institution of similar character, particularly when it is remembered that *any one of our departments taken alone is larger than the average experiment station taken as a whole, and that there are but two stations in the United States that taken as a whole, will equal our department of agronomy alone whether we consider the funds involved, the nature of the work, or the number of men employed.* (\$51,000, twenty-one men of college grade, three clerks, a varying force of common laborers here and the caretakers of the experimental fields in twenty-five different places in the State.)

I have accordingly recommended Dr. Hopkins for a total salary of \$4,000. The truth is that his responsibilities as head of his department and his capacity for business are fully equal to those of any dean and director in the list quoted above, and his training is superior to that of any one of them. Not only that, Professor Hunt gets this salary at Cornell as Professor of Agronomy alone with only nominal duties in connection with experiment station work. (While the duties of the heads of the other departments are not so heavy as those of Dr. Hopkins in respect to amounts of money involved they are the same in character and equally difficult; indeed in some instances excessively so.)

It is from men who can carry responsibilities of this sort that directors are made, and President Wheeler, who is now looking for a director, told me in my office that he would not hesitate to pay \$5,000 or even \$6,000 for a man fitted for the place at his institution, whose demands do not compare at all equally with ours. I believe our policy should be to pay our *leading men what they are worth while they are settled with us, not waiting until they are disturbed by offers from elsewhere.* The stability of research work demands it. Nobody but the heads of departments long in service can safely interpret and make the most of data that are accumulated under our heavy expenditures. A change here means a frightful loss in time and money even if successors are successful.

Moreover these positions are not to be compared with those involving college duties only. Responsibility for class room work is by no means so difficult, so hazardous, or so wearing as responsibility for the conduct of investigations affecting large business interests both public and private; and experience shows that few men are fitted by nature and training to do the work, or are able to endure its wear and tear.

Again, this work is continuous. For these men there is no "summer vacation" and if a few days are taken for rest, which in practice is seldom done, there is no relief from responsibilities which no one else can carry. It is not too much to say that responsibilities are more than doubled and the length of service increased from twenty to twenty-five per cent, by reason of

connection with both College and Station. These four men occupy positions of extreme difficulty and great responsibility, and their service is practically continuous.

Finally, we must have men for these positions whose financial and business instincts are strong, else our experiments will not be planned and conducted along useful lines. Only maximum salaries will retain this class of men in our service for any considerable time. The disaster of frequent change is evident and leading farmers are outspoken in favor of better salaries for the heads of important departments.

It is therefore with full realization of all the conditions involved that I make these recommendations concerning our four leading positions, fully believing that the Trustees will no longer maintain a schedule of salaries inferior to those of any other institution, particularly as we now occupy clearly the leading place among them.

Because of our rank among the colleges and stations of the country the salaries of young men just beginning may well be comparatively low. We are starting graduates at \$50 a month, and they are glad of the opportunity to become identified with prominent lines of work in progress here and that upon almost any terms. It is graduate work to them, and we can fill these minor positions at low figures.

To illustrate this latter point I insert a list of all employes above the grade of common laborers and not holding Trustee appointment. Names starred are college graduates:

Allen, E. R.....	\$35 00	and living expenses
Apple, J. E.....	50 00	
Cass, George.....	40 00	
Coffey, W. C.....	60 00	
*Eckhardt, W. G.....	40 00	and living expenses
Gustafson, A. F.....	35 00	and living expenses
Hegnauer, L.....	60 00	and living expenses
Higgins, A. L.....	35 00	and living expenses
*Howe, R. B.....	40 00	
Jorgensen, F. A.....	45 00	
Kidder, A. F.....	40 00	
Logan, C. C.....	40 00	and living expenses
Lohman, H.....	35 00	and living expenses
*Matson, G. C.....	50 00	and living expenses
Oathout, C. H.....	50 00	and living expenses
Ogle, J. L.....	65 00	
*Shinn, J. R.....	60 00	
*Thompson, J. A.....	40 00	and living expenses
*Worthen, E. L.....	50 00	and living expenses

I think we are justified in this policy; indeed I believe the tendency is to pay young and inexperienced men carrying little or no responsibility a far greater recompense for services actually rendered than we are willing to pay to those really carrying the burden. An increase of a few leading positions to comparatively high figures insuring ability and stability is not therefore necessarily a question of expending more money. It is rather a question of *distribution of funds* between those who do and those who do not carry heavy responsibilities.

HEADS OF DEPARTMENTS NOT CONNECTED WITH EXPERIMENT STATION.

Dr. D. McINTOSH, as Professor of Veterinary Science, \$2,100.

Dr. McIntosh has been a faithful teacher. He came many years ago at \$1,800. Though the cost of living has increased enormously and though his duties have been more than doubled he has never had an increase of salary. It ought to have come long ago. I hope the recommendation may be looked upon with favor.

PROFESSOR ISABEL BEVIER, as Professor of Household Science, \$2,100.

Miss Bevier has shown rare tact and organizing ability. Moreover she spends money freely in keeping herself abreast of developments in her line of work. I believe the time has come when she should have this salary.

OTHER EMPLOYEES.

I recommend the following changes in titles and salaries, payment to be made in twelve installments and changes to take effect Sept. 1, except otherwise noted:

AGRONOMY—

That Mr. L. H. Smith be given the title of Assistant Professor of Plant Breeding on the college side at \$300, and advanced to the corresponding title, Assistant Chief, on the station side without change of salary (\$1,500), making a total of \$1,800, all to take place upon his return from Germany, which will be in March or April, and by which time he expects to have earned the doctor's degree.

That the salary of Assistant Professor J. G. Mosier, in Soil Physics, (\$600) be unchanged, but that as Assistant Chief on the station side it be increased from \$900 to \$1,200; total \$1,800.

That the salary of Mr. J. H. Pettit, as instructor in Soil Fertility (\$400) be unchanged, but that as First Assistant on the station side it be increased from \$1,000 to \$1,200; total \$1,600.

That the salary of Mr. A. N. Hume, as Instructor in Crop Production, (\$600) be unchanged, but that as First Assistant on the station side it be increased from \$600 to \$800; total \$1,400.

That the salary of Mr. F. R. Crane, as Instructor in Farm Mechanics, be increased from \$1,200 to \$1,400, and paid in ten installments.

That Mr. E. M. East be reappointed First Assistant in Plant Breeding without change of salary. His present position is largely due to Mr. Smith's absence and no advance is necessary.

That Mr. Clifford Willis be given the position of Instructor in Soil Physics on the college side at \$300 and that on the station side his title be First Assistant at \$900; total \$1,200, an increase of \$200.

That Mr. W. F. Pate be reappointed Assistant in Chemistry in the station without change of salary.

That Mr. J. E. Readheimer be reappointed Superintendent of Soil Experiment Fields without change of salary.

That Mr. Robert Clinton Lloyd be appointed Superintendent of Soil Survey at a salary of \$1,000. Mr. Lloyd graduated from the University in 1903, and has had three seasons' experience in the field, besides much special work during his course.

That Mr. Orlo Dorr Center be appointed Assistant in Crop Production in the college at \$300 and Assistant in Crop Production in the station at \$700. Mr. Center graduates this year, but he is a mature man who for four years has had charge of our field affairs at the University.

That Mr. H. H. Love be reappointed Assistant in Chemistry in the station and that his salary be increased from \$600 to \$720.

That Mr. Andrew Ystgard be reappointed Assistant in Chemistry and that his salary be increased from \$720 to \$840.

That Mr. Clyde Everet Leighty be appointed Assistant in Chemistry at the usual initial salary of \$600. Mr. Leighty is a graduate of Illinois Wesleyan University, has been temporarily employed on trial and has proved himself a good analytical chemist for the special work required.

That Miss Clara Louise McClain be appointed Office Assistant in Agronomy for the station at a salary of \$720.

ANIMAL HUSBANDRY—

That Mr. L. D. Hall be reappointed Instructor in Animal Husbandry in the college at \$800, and First Assistant in Animal Husbandry in the station at \$800, an increase of \$200.

That Mr. William Dietrich be reappointed Instructor in Swine Husbandry in the college at \$700 and First Assistant in Swine Husbandry in the station at \$700, an increase of \$200.

That Mr. R. C. Obrecht be reappointed Instructor in Horses in the college at \$900 and First Assistant in Horses in the station at \$500, an increase of \$200.

That Mr. E. S. Good be reappointed Instructor in Animal Husbandry at \$500 and Assistant in Animal Husbandry at \$900, an increase of \$200.

DAIRY HUSBANDRY—

That Mr. Carl Emil Lee be appointed Instructor in Dairy Manufactures at \$800, to replace Professor Hart, resigned to go to South America, and that he be reappointed First Assistant in Dairy Manufactures in the station at a salary of \$600. This is a new position on the college side and a reduction of work and salary on the station side; total increase \$200. Mr. Lee has been temporarily filling this vacancy and is doing it acceptably.

That Mr. C. C. Hayden be reappointed Instructor in Dairy Husbandry at \$400 and Assistant in Dairy Husbandry in the station at \$800, an increase of \$100.

That Mr. H. E. Hopper be reappointed Instructor in Dairy Husbandry at \$400 and Assistant in Dairy Husbandry in the station at \$800, an increase of \$200.

HORTICULTURE—

That the salary of Assistant Professor J. W. Lloyd in the college (\$1,200) be unchanged, but that as Assistant Chief in Olericulture in the station it be increased from \$400 to \$600; total \$1,800.

That the salary of Professor C. S. Crandall in the college (\$600) remain unchanged, but that as Assistant Chief in Pomology in the station it be increased from \$900 to \$1,200; total \$1,800.

These two last are extremely strong men.

That Mr. A. C. Beal be reappointed Instructor in Floriculture and that his salary be advanced from \$1,200 to \$1,400.

That Mr. James R. Shinn be appointed Field Assistant in Pomology in the station at \$1,000, to begin July 1. Mr. Shinn is a graduate of this University and has been employed in a temporary way for three years, and last year gave his whole time to field work, successfully discharging responsible duties.

That Mr. A. Phelps Wyman be elected Assistant Professor of Landscape Gardening at \$1,000 to be paid in ten installments, commencing Sept. 1, 1905, with the understanding that he render service to the University for two and one-half days each week and that he defray his own traveling expenses.

It will be remembered that a position in Landscape Gardening was created last September at \$1,200. It has not proved possible to find an acceptable man to give his whole time at that salary. Mr. Wyman is practicing his profession in Chicago, and has been conducting our class most acceptably the present semester, giving the latter part of the week to this work. It is believed that part time of a strong and well trained man in actual practice is far better for us than the full time of any man who could be had for \$1,200.

In his letter to me recommending Mr. Wyman, Professor Blair says of him:

"I have already called your attention to the fact that Mr. Wyman is undoubtedly one of the best landscape gardeners in the country. His interest in landscape gardening work was first aroused when taking Professor Bailey's lectures on the subject at Cornell in 1894. Although he was graduated from the College of Agriculture in that institution, he made an earnest effort to secure instruction in other colleges also, in all subjects allied to landscape gardening. Upon leaving Cornell in 1897, he began working with Mr. O. C. Simonds of Chicago, a landscape gardener of high rank; probably no one in the profession having a greater sympathy for natural things. After spending a year with Mr. Simonds, Mr. Wyman went to the nurseries of Ellwanger & Barry, Rochester, N. Y., for the purpose of gaining more accurate knowledge of planting and materials used in the art of gardening. The following year he pursued similar work in the Arnold Arboretum, where he became associated with Professors Sargent and Hack. One winter was

spent in the office of D. W. Langton, a landscape gardener in New York City, and three years in the planting department of Messrs. Olmsted of Brookline, Mass. In the latter office Mr. Wyman secured invaluable instructions, having been intrusted with the plant ordering and with the working up of many important planting plans. At this period in his study Mr. Wyman realized that he needed more knowledge of general design and consequently entered the architectural department of the Massachusetts Institute of Technology, where he took a two years' course in architectural design, landscape design, and in civil engineering. During his summer vacation Mr. Wyman was associated with Mr. Chas. A. Platt of New York, a landscape architect of the finest feeling. After a four months' trip abroad, studying landscape gardening in Italy, France, and England, Mr. Wyman came to Chicago, where he has since opened an office for the practicing of his art. During the late fall and the present winter, Mr. Wyman was associated with me in the improvement work at Fort Massac, where I formed a high regard for the man and his abilities.

"If the University is fortunate in securing the services of Mr. Wyman permanently, I am sure that we will be in a position to do a grade of work for the institution and the State in the subject of landscape gardening which few institutions are now in a position to do. I feel, too, that the time is fully ripe for such a movement and I hope that the above recommendation will meet with your hearty approval and that of other executive officials of the institution."

The interests of landscape gardening in the University and in the State will undoubtedly be advanced if we secure the services of Mr. Wyman. It would be impossible to secure all of his time or that of any other really live landscape gardener upon any terms the University could meet, and I feel that we are fortunate if we secure a portion of the time of so good a man.

HOUSEHOLD SCIENCE—

That Miss Susannah Usher be reappointed and given the title of Instructor in Dietetics and that her salary be increased from \$1,000 to \$1,100, to be paid in ten installments.

That Miss Myrn Brockett be appointed Instructor in Household Science at \$1,000, to be paid in ten installments.

Miss Brockett is a graduate of the University of Michigan, of the class of 1892. She was a teacher in the high schools of Cassopolis and Muskegon, Mich., and at Elgin, Ill., continuously from graduation until 1901, when she entered the household science course at Pratt Institute, from which she graduated in 1903, and has since been employed at Northfield Seminary, Mass.

Miss Brockett is spoken of as a strong and well-trained woman, succeeding well as a teacher.

That Miss Anna R. Van Meter be appointed Assistant in Household Science at \$600, to be paid in ten installments. Miss Van Meter is a member of the graduating class and a woman of known skill.

That Miss Charlotte Gibbs be appointed Assistant in Textiles, to give one-third time for \$300, to be paid in ten installments.

BOTANY—

That Mr. J. T. Barrett be reappointed Assistant in Botany in the Experiment Station and that his salary be increased from \$840 to \$1,000.

That Mr. Fred H. Rankin be reappointed Superintendent of Agricultural College Extension at the same salary as heretofore, \$1,800.

That Miss Catherine M. McIntyre be reappointed secretary of the Agricultural Experiment Station.

That Miss Grace Maxwell be reappointed as stenographer at a salary of \$720.

ESTIMATES.

The following are the estimates of the needs of the various departments and interests for the ensuing year, and upon which requests for appropriations are based:

<i>Agronomy—</i>	
College	\$10,000 00
U. S. station.....	1,100 00
State station, soil investigations	25,000 00
State station, crop experiments.....	15,000 00
<i>Animal Husbandry—</i>	
College	10,000 00
U. S. station	1,100 00
State station, feeding experiments—	
Investigations in beef cattle	16,000 00
Investigations in horses.....	4,000 00
Investigations in sheep.....	2,000 00
Investigations in swine.....	2,500 00
<i>Dairy Husbandry—</i>	
College	10,000 00
U. S. station	1,100 00
State station, dairy investigations	15,000 00
<i>Horticulture—</i>	
College	10,000 00
U. S. station	1,100 00
State station, treatment of orchards	15,000 00
<i>Botany—</i>	
U. S. Station.....	4,000 00
<i>Household Science—</i>	
College	6,000 00
<i>Veterinary Science—</i>	
College	2,400 00
<i>Thremmatology—</i>	
College	200 00
U. S. station	600 00
<i>College Extension—</i>	
College	4,000 00
<i>General—</i>	
College	5,000 00
U. S. station	6,000 00
Drainage, fencing and repairs	5,000 00

APPROPRIATIONS.

The following are the amounts available from various sources for the work of College and Station. I respectfully request that they be appropriated to be used in accordance with the preceding estimates with the understanding that the funds are available as they come into the hands of the University, some of them quarterly, others semi-annually.

<i>College</i>	
U. S. fund.....	\$12,500 00
Interest endowment fund.....	16,000 00
Teachers and institutes	6,000 00
State College.....	50,000 00
Drainage, fencing and repairs	5,000 00
	<hr/>
	\$89,500 00
<i>Station—</i>	
U. S. fund.....	\$15,000 00
Live stock investigations	25,000 00
Soil examinations.....	25,000 00
Crop experiments.....	15,000 00
Treatment of orchards	15,000 00
Dairy investigations.....	15,000 00
	<hr/>
	\$110,000 00

RECEIPTS.

Inasmuch as the law provides in the case of each one of our special funds that receipts shall be returned to the fund from which they arose and inasmuch as in some cases the money is used many times over within the year, I am led to recommend that the principle be made general and that when a special fund is appropriated for a particular purpose it be understood that receipts arising from time to time during the progress of the work are also appropriated for the same purpose.

Appropriations from receipts are asked as follows:

From College Funds—

Animal husbandry department	\$2,987 14
Dairy husbandry department	3,321 75
Household science department	239 00

From State Station—

Soil examination	877 02
Corn experiments	1,148 75
Dairy investigations	131 24
Live stock investigations	4,600 45
Treatment of orchards	130 79

From U. S. Funds—

Agronomy department	124 42
Dairy department	267 67

Respectfully submitted,

E. DAVENPORT,
Dean and Director.

The recommendations of the Agricultural College Advisory Committee are in accordance with the recommendations of the Dean, approved by the President, as will appear from the following memorandum in the minutes of the meeting of the Committee May 11, 1905:

"Meeting called to order at 7:30 p. m. There were present the following members of the College Advisory Committee:

A. P. Grout, President of the Illinois Live Stock Breeders' Association.

H. A. Aldrich, President of the Illinois State Horticultural Association.

Joseph Newman, President of the Illinois Dairymen's Association.

E. E. Chester, President of the Illinois Corn Growers' Association.

B. F. Wyman, President of the Illinois State Farmers' Institute was absent.

Dean Davenport presided and Mr. Grout was asked to act as Secretary.

NEW BUILDINGS.

The matter of new buildings for the College of Agriculture provided for in the college appropriation recently passed by the 44th General Assembly was discussed.

Motions were unanimously carried recommending to the Board of Trustees that an official residence for the Director of the Agricultural Experiment Station be provided free of rent as is customary in other leading institutions, and that the next building after the Dean's residence should be a Farm Mechanics Building to cost \$25,000.

CONSOLIDATION OF SCHOOLS.

While no definite action was taken in the matter, it was generally agreed that all connected with the Agricultural College and the agricultural organizations of the State should encourage and lend support to any effort put forth looking to the consolidation of country schools.

CORRESPONDENCE SCHOOL

The sentiment was generally expressed that the section of the University Bill, asking for an appropriation for the establishment and maintenance of a correspondence school, which was dropped by the General Assembly recently adjourned, should be inserted until such appropriation is made."

Agricultural matters were considered later, see page 123.

The President submitted the following communications:

June 23, 1905.

President Edmund J. James, University of Illinois, Urbana, Illinois.

DEAR SIR—The Business Men's Association of this city has appointed the writer chairman of a committee to investigate the expense of publishing a book of views of the best features of Champaign, Urbana, and the University. A recent speech made by you at a banquet given by the Association has led us to believe that by putting forth the proper effort we may be able to increase our population to 50,000. It is evident from the number of families who have come here to reside during the past few years that there must be many in the aggregate who are looking for a desirable residence city where can be enjoyed the advantages of much larger cities without the accompanying disadvantages.

We recognize that the University is our greatest attraction and believe that these cities should be made model places of residence so that the environments of the University may be ideal.

Our residence streets already possess many attractions and we are anxious that the people of the State may be informed of them.

This book of views, if published in an attractive manner, is going to cost from \$1,500 to \$2,000 for an edition of 25,000 copies. We are hopeful that the University will encourage us in our efforts by subscribing for 10,000 copies at cost of publication, and to that end I beg that you will kindly take the matter under consideration and advise me at your earliest convenience. We hope to have the book ready for distribution by August 10.

Awaiting your reply, I am,

Very truly yours,

GEORGE B. STORER,

Chairman of Committee."

Referred to the President with power to act.

APPROPRIATIONS FOR THE ALUMNI ASSOCIATION.

URBANA, June 12, 1905.

President Edmund J. James, University of Illinois.

DEAR PRESIDENT JAMES—Professor Lake and Dean Clark have asked me to lay the matter of the expense of the Alumni Dinner before you at once. Professor Lake has just handed me the bills and they amount to \$239.27. The receipts from the sale of tickets amounted to \$136.00, leaving a deficit of \$103.27. The deficit is larger than in former years and is due to the fact that we provided somewhat more liberally and had a considerably smaller attendance.

Yours very truly,

N. A. WESTON.

The Secretary, also, presented a request from the Alumni Association for an appropriation of \$175.00 to defray the expense of publishing and distributing the proceedings of the annual meeting of the association.

A motion to appropriate \$300.00 to meet the deficit and to publish and distribute the proceedings prevailed by the following vote: Yeas, Abbott, Bayliss, Bullard, Busey, Davison, Evans, McKinley and McLean; nays, Alexander and Kerrick. Absent Governor Deneen and Mr. Barber.

Y. M. C. A. HANDBOOK.

A communication from the Secretary of the Y. M. C. A. connected with the University asking for an appropriation of \$100.00 in aid of its students' handbook was submitted by President James .

The appropriation was made, Mr. Kerrick voting no.

EXPLANATION OF VOTES BY MR. KERRICK.

On the question of paying out University funds to defray the expenses incurred by the Alumni Association, and on the question of appropriating \$100.00 in aid of the Y. M. C. A. hand book, I desire to explain my negative votes by saying that in my judgment the Board has no warrant in law for such use of public funds.

TREASURER'S BOND.

The following report made by the Finance Committee was adopted:

URBANA, ILLINOIS, June 23, 1905.

To the Board of Trustees of the University of Illinois.

Your Finance Committee begs leave to report that, in accordance with your instruction, the Committee met Mr. Haugan, of Chicago, your Treasurer-elect, and obtained from him a good and sufficient bond containing the usual statutory provisions, with approved securities in the sum of \$1,000,000.00

The bond is as follows:

KNOW ALL MEN BY THESE PRESENTS, That we, Helge A. Haugan, as principal, and John R. Lindgren, John H. Dwight, Theodore Freeman, William A. Peterson, Hauman G. Haugan, Calvin Durand, and George E. Rickords, as sureties, are held and firmly bound unto the University of Illinois, of Urbana, in the County of Champaign, State of Illinois, in the sum of one million (\$1,000,000.00) dollars, good and lawful money of the United States, for the payment of which, well and truly to be made, we bind ourselves and our heirs, executors and administrators, jointly, severally and firmly by these presents.

WITNESS our hands and seals this fourteenth day of June, A. D. 1905.

THE CONDITION OF THIS OBLIGATION IS SUCH THAT WHEREAS the above bounden Helge A. Haugan was on the fifth day of June, A. D. 1905, duly elected to the office of Treasurer of the University of Illinois for a period ending on the second Tuesday of March, A. D. 1907, or until his successor shall be appointed and qualified, and is about to assume the duties of said office:

Now, if the said Helge A. Haugan shall well and truly perform and faithfully discharge the duties of Treasurer of the said University of Illinois during his term of office, and shall faithfully keep and truly account for all moneys, bonds, securities, and other property coming into his hands as such Treasurer, during his term of office, and at the expiration of his term of office shall pay over to his successor in office, or to any other person duly authorized by the Board of Trustees of said University of Illinois to receive the same, all moneys, bonds, securities, or other property received by him as such Treasurer and not otherwise lawfully paid out or disposed of, and shall deliver to his successor in office or other person appointed to receive the same, the property, books, papers, and other things in his hands belonging to said office, and shall, at the expiration of his term of office, or oftener if there-

unto requested by the Board of Trustees of the said University of Illinois, render a just and true account of his doings as such Treasurer, then this obligation to be void; otherwise to remain in full force, effect, and virtue.

Signed

HELGE A. HAUGAN,	(SEAL)
JOHN R. LINDGREN,	(SEAL)
JOHN H. DWIGHT,	(SEAL)
THEODORE FREEMAN,	(SEAL)
WILLIAM A. PETERSON,	(SEAL)
HAUMAN G. HAUGAN,	(SEAL)
CALVIN DURAND,	(SEAL)
GEORGE E. RICKORDS,	(SEAL)

STATE OF ILLINOIS, }
COUNTY OF COOK } ss

I, Frank I. Packard, a Notary Public in and for said county, in the State aforesaid, do hereby certify, that Helge A. Haugan, John R. Lindgren, John H. Dwight, Theodore Freeman, William A. Peterson, Hauman G. Haugan, Calvin Durand, and George E. Rickords, who are personally known to me to be the same persons whose names are subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed, and delivered the said instrument as their free and voluntary act, for the uses and purposes therein set forth.

Given under my hand and Notarial Seal this fourteenth day of June, A. D. 1905.

(Signed) FRANK I. PACKARD,
Notary Public.

Your Committee also considered the question of changes in the business methods as suggested by our present Business Manager and herewith submit, without recommendation, his plans for the necessary changes.

We also arranged with an accountant to balance up the entire business on June 30th and report the same to your Committee.

Respectfully submitted,

ALEXANDER MCLEAN,
W. L. ABBOTT,
L. H. KERRICK,
Finance Committee.

The Board then took a recess until 7:30 o'clock p. m.

Evening Session, June 23, 1905.

When the Board met after the recess the same members were present as during the afternoon session, except Mr. Abbott.

APPOINTMENTS AND SALARIES IN THE COLLEGE OF AGRICULTURE.

The recommendations of the Dean of the College of Agriculture with regard to appointments and salaries, as approved by the President of the University, were adopted.

HOUSE FOR THE DIRECTOR OF THE AGRICULTURAL EXPERIMENT STATION.

It was voted that it was desirable that the University furnish a house for the Director of the Agricultural Experiment Station. The whole matter was referred to the Committee on Buildings and Grounds and the Committee on Agriculture for investigation and report.

CHEMICAL LABORATORY.

Upon the recommendation of President James, \$5,000.00 of the State appropriations for the Chemical Laboratory was appropriated for further equipment of the laboratory, bills for all purposes to be approved by the President of the University.

COLLEGE OF LAW.

Upon the recommendation of President James, the State appropriation for the College of Law—\$10,000—was assigned for certain improvements in the building, the balance to be used for the college library.

Upon the request of the Secretary \$35.00 a month for additional typewriter service was appropriated for the year beginning July 1, 1905.

At the request of the Business Manager, \$1,170 were appropriated for the payment of band scholarships for the year 1904-05.

COAL CONTRACTS.

The Committee on Buildings and Grounds was authorized to advertise for bids for supplying the University with coal for the year beginning September 1, 1905, and the hauling of the same, and to make contracts on satisfactory bids, and report the same to the Board.

PURCHASE OF Y. M. C. A. LOTS.

The Business Manager was directed to complete the purchase of the Y. M. C. A. lots and to pay the purchase price which was appropriated therefor, \$16,000.39, this including the expense of the pavement on Mathews avenue, upon receipt of a warranty deed for the premises and an abstract thereof showing good title in the grantor.

CHANGES, REPAIRS, BUILDINGS.

Mr. Bullard from the Committee on Buildings and Grounds presented the following communication from Professor White:

CHAMPAIGN, ILLINOIS, June 20, 1905.

Hon. S. A. Bullard, Chairman Committee on Buildings and Grounds, Springfield, Illinois.

DEAR SIR—There are so many changes which have been suggested to be made upon University buildings this summer that I have thought it would be well to enumerate them, so that none of them would be overlooked: and I therefore give below a brief statement of each, with the expectation that all of them will be brought to your notice otherwise.

Library.—Miss Sharp desires to have a dumb waiter, and some wood floors laid on top of present concrete floors in basement; estimated cost \$240.

Engineering Building.—Dr. Carman desires some changes on the lower floor, in order to get more laboratory space. Approximate cost \$75.00.

Hydraulic Laboratory.—Professor Talbot wishes to have the second story of the front of the Hydraulic Laboratory finished off into rooms. Probable cost, \$1,000.00.

Electrical Engineering Laboratory.—The rooms in the second story of Electrical Engineering Laboratory are rather small and poorly lighted. Professor Brooks would like to have some changes in partitions made and a skylight put on the roof, so as to make these rooms available as class rooms. In order to get some additional rooms, he suggests changing the stairway. Estimated cost, \$1,200.00.

Mechanical Engineering Laboratory.—The Engineering Faculty recommends the addition of another section to the new Mechanical Engineering Laboratory, at a cost not to exceed \$12,000.00.

Armory.—I have received two bids for the extension of the Armory, in accordance with plans already approved by your committee; one from English Brothers at \$1,899.00; one from A. W. Stoolman at \$1,795.00. I recommend the acceptance of the latter proposition.

Tool Room.—I enclose drawing of the tool room which is to be added to the Metal Shops. I received bids on this on the basis of a one-story structure extending about 30 feet to the north, but afterwards changed it to a structure with the finished basement and extending only two-thirds of that distance to the north, which will certainly make a better appearance. Mr. Stoolman's bid on the first plans was low, and I asked him to refigure it on the basis of the present drawing, and he submits a figure of \$1,198.00. I believe that we are authorized to close this contract without further action of the Board, and if it meets with your approval I will close this up at once.

Insectary.—I also prepared plans for Dean Forbes' insectary, which the Board located south of the Agriculture greenhouses, and I wish to submit the plans to you for your approval, and also wish you to settle on an exact location. I recommend that the building be faced south on axis with the Observatory and just north of the north line of Nevada street. This will make a presentable termination for the group of greenhouses and will also curtail the Agricultural people from further extensions to the south.

Chemical Laboratory.—There will probably be about \$5,000.00 out of the special appropriation for furniture and equipment for the Chemical Laboratory which will have to be put into special furniture, and I have already gotten the drawings under way for this work. I have placed it in the hands of Mr. Bevis, subject to your approval. There is a good deal of special detail work about it, and I think the most economical way to proceed is to prepare the drawings quite fully and then to contract for all of the mill-work possible, but to do the erecting and finishing by the day and to contract as much of the plumbing as possible. If I have the drawings prepared by one man, then he will have to give very close supervision to the carpenters who are erecting it, which makes altogether too much expense for the superintendence.

Mr. Bevis attended the Architectural Department of the University for three years and then went into contracting. He and his brother were the contractors on the President's House, and this one afterwards ran a planing mill. For the last three years he has been doing superintending, and for two years worked for Patton & Miller at a salary of \$130.00 a month; since then he has been on government work in South Dakota. He is very anxious to be located here, because he wishes to be with his children, who are cared for by his sisters, as his wife died about a year ago. He is therefore willing to work here for \$90.00 a month and is perfectly willing to do carpentering along with his superintending. It therefore seemed to me that a man of this sort would be an economical one to place in charge of that work, as we would not have anybody standing around watching somebody else work. I do not feel like trusting him solely with the financial responsibility, but under such supervision as I could give him I believe he would be an excellent man, and I suggest that he be employed at \$90.00 a month as long as we find need for him, his work to be specifically in connection with the Chemical Laboratory, but he can be used on other work if at any time he is short of work there.

As you will see from the above list, there is going to be a great deal of work to be looked after, and I desire to be relieved from the immediate daily supervision of the work, though I am perfectly willing to carry the general

responsibility; and I suggest that Mr. C. R. Clark of the Department of Architecture be paid \$250.00 for his services during the vacation in looking after all of the balance of this work. Mr. Clark is a thoroughly competent and careful man and I am sure that he can carry it very successfully. For any supervision which I may give the work after that time, I do not expect any remuneration, but shall consider it a part of my regular work if I can have this amount of assistance. If there is anything coming to me for work done in the past, I should like to get squared up to date.

The plans for all the above work are already completed, except for the insectary, which Dean Forbes must pay for out of his own appropriation.

Woman's Building.—The Woman's Building will not be completed by July 1st, though the contractors are making good progress. I think it would be in order for you to instruct me not to issue any more certificates of payment to the general contractors until the final certificate is issued. I do not think that this should apply to sub-contractors who have been delayed in their work through general contractors and who are entitled to their regular monthly payments until the completion of the work.

I would like very much to have the walls of the woman's gymnasium painted, and shall have a proposition ready to submit to you in time for your meeting.

Grandstand.—Mr. Huff is out of the city, but before leaving requested me to remind you that your committee voted to report favorably to the Board on the appropriation of a sum of money for beginning the erection of a reinforced concrete grandstand. I do not remember whether any specific sum was mentioned, but I believe Mr. Huff is hoping to get \$3,000.00.

Yours very truly,

JAMES M. WHITE.

It was voted to go on with the matters referred to by Professor White with the exception of the addition to the engineering laboratory and the grand stand, and the appropriations were made therefor as recommended, and the plans suggested for carrying on the work were authorized.

ARCHITECT'S COMMISSION ON AUDITORIUM.

Mr. Bullard reported that, as directed, he had consulted with Mr. Blackall with reference to his compensation as architect on the Auditorium, and had agreed to pay him five per cent of the amount expended for his fees as architect, including superintendence, and in addition thereto his expenses for the several trips which it will be necessary for him to make to the University.

The agreement was approved.

EVENING SCHOOL OF ACCOUNTANCY.

URBANA, ILLINOIS, June 23, 1905.

To the Board of Trustees:

Your committee appointed to consider the advisability of establishing an evening school of accountancy and finance in Chicago, are not able upon present information to judge whether such a school would be a public educational service which the University should undertake. In order to determine this, your committee recommends the appointment of a committee

of inquiry to consist of the chairmen of the committee on instruction, Mr. W. L. Abbott and Dean Kinley, to canvass the matter and get information as to the extent of the demand and the likelihood of its being self-supporting and report to the Board at its September meeting.

CARRIE T. ALEXANDER,
L. W. KERRICK,
A. BAYLISS.

The report of the committee was adopted.
The Board adjourned.

W. L. PILLSBURY,
Secretary.

S. A. BULLARD,
President.